Advanced
Compliance Laboratory

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Hillsborough, NJ 08844
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Electromagnetic Emission Compliance Test Report

Equipment Under Test (EUT)	OneBase Cell Extender OBE-DB-X
Applicant	Andrew Corporation
In Accordance With	FCC Part 22, Subpart H FCC Part 24, Subpart E
Test by	Advanced Compliance Laboratory, Inc. 6 Randolph Way Hillsborough, New Jersey 08844
Authorized by	Wei Li Lab Manager
Signature	
Date	December 20, 2006
AC Lab Report Number	0048-061009-01

Lab Code:200101-0

The test result in this report is supported and covered by the NVLAP accreditation.

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Section 1. Summary of Test Results

Manufacturer: Andrew Corporation

Model No.: OneBase Cell Extender OBE-DB-X

S/N: P001

General: **All measurements are traceable to national standards**

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with Part 22 & Part 24.

☒New Submission ☐Production Unit

☐Class II Permissive Change ☒Pre-Production Unit

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.

"See Summary of Test Data"

NVLAP LAB CODE: 200101-0

Summary of Test Data

RF Power Output	22.913(a)	500W ERP	Complies
	24.232(a)	100W EIRP	Complies
Occupied Bandwidth (Voice & SAT)	2.1049(i)	Mask	N/A*
Occupies Bandwidth (Wideband Data)	2.1049(i)	Mask	N/A*
Occupied Bandwidth (Digital)	2.1049(i)	Mask	Complies
Spurious Emissions at Antenna Terminals	22.917	-13 dBm	Complies
	24.238	-13 dBm	Complies
Field Strength of Spurious Emissions	22.917	-13 dBm	Complies
	24.238	-13 dBm E.I.R.P.	Complies
Frequency Stability	22.355	1.5 ppm	N/A*
	24.235	0.05 ppm	N/A*

* These items are NOT applied to the EUT.

The estimated uncertainty of the test result is given as following. The method of uncertainty calculation is provided in Advanced Compliance Lab. Doc. No. 0048-01-01.

	Prob. Dist.	Uncertainty(dB)	Uncertainty(dB)	Uncertainty(dB)
		30-1000MHz	1-6.5GHz	Conducted
Combined Std. Uncertainty u_c	norm.	±2.36	±2.99	±1.83

Wei Li
Lab Manager
Advanced Compliance Lab

Date: December 20, 2006

Section 2. General Equipment Specification

Supply Voltage		27VDC				
Frequency Range	Cellular	DL/869-894MHz				
	PCS	DL/1930-1990MHz				
	Modulation	CDMA 2000 ☒	WCDMA ☒	GSM ☒	EDGE ☒	TDMA ☒
Output Impedance		50ohm				
Total Rated Power		426W (+56.3dBm)				
Typical Operating Power/carrier		WCDMA: 40W CDMA/GSM/EDGE/TDMA: 25W				
Frequency Translation		F1-F1 ☒	F1-F2 ☐	N/A ☐		
		Software ☐	Duplexer Change ☐	Full Band Coverage ☒		

DC voltages and DC currents per 2.1033(c)(8)

The input supply to the transmitter was set at 27 Volts DC. The RF power output was measured with the indicated voltage and current applied into the final RF amplifying device(s).

OBE-DB-X Amplifier

RF Output, DC Current and RF Input Power are all average values.
Measured Rated RF output: 56.29dBm (426W)
Measured DC voltage: 27.0V
Measured DC current: 128.7A
Measured Minimum RF output (1PA): 13.42dBm (22mW)
Measured DC voltage: 27.0V
Measured DC current: 13.2A

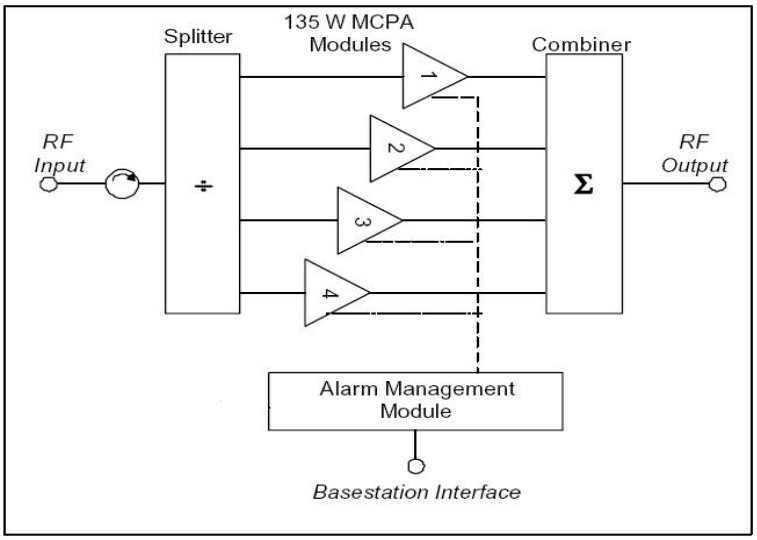
Tune-up procedure per 2.1033(c) (9)

There are no user accessible adjustments or tuning in this amplifier. All necessary adjustments and tuning are performed during manufacture of the product. Any adjustments or tuning after service or repair are done as part of that process as special equipment is required to perform such adjustments.

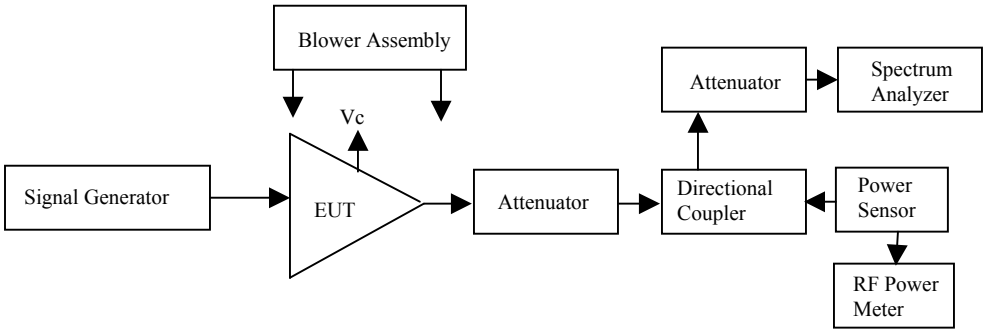
Description of System and Operation

This power amplifier system family, OBE-DB-X, consists of up to four 135W multi-carrier power amplifier (MCPA) modules combined in a sub-rack-mount shelf. The following is the top-level block diagram of a fully equipped OBE-DB-X system, which contains the following modules: one to four MCPA modules; one RF Interface Module (splitter and controller); one Switch Combiner Module; one or more Filter Module & One Power Distribution Panel (not shown). This system is used in BTS in the downlink spectrum of 850 Cellular band and 1900 PCS band.
All measurements shall be made at room temperature and at nominal DC input voltage.

System Diagram (top level)



General EUT Setup



Section 3. RF Output Power

Name of Test:	*RF Output Power*	Test Standard:	*22.913(a)* *24.232(a)*
Tested By:	WEI LI	Test Date:	10/09/2006-12/20/2006

Minimum Standard: Para. No. 22.913(a). The maximum effective radiated power (ERP) of base station transmitters and cellular repeaters must not exceed 500 Watts (57dBm).
Para. No. 24.232(a). The maximum peak output power of base transmitters should not exceed 100 Watts EIRP (50dBm).

Method of Measurement: Per 2.1046: The RF Power Output shall be measured at the output connector of the EUT. The Max. output level shall be +56.3 dBm (426 watts) ±1dB over the operation frequency bands. The tolerance range is per TIA/EIA-97-D, Section 4.3.1.3.

Using power meter, power measurements shall be taken at the low band edge, mid, and high band edge frequencies for all modulations listed on Page 5. The power meter was offset for all the path losses.

The EUT was configured with 4, 3, 2 and one amplifier in the 4 brick shelf (sub rack). The power was monitored and maintained throughout testing.

Test Result: **Complies**

Test Data:

The EUT's measured composite output power was:

4 Amplifier Configuration 426 W
3 Amplifier Configuration 312W
2 Amplifier Configuration 203W
1 Amplifier Configuration 100W

Typical supported Output Power per carrier:

WCDMA: 40W/Carrier
CDMA/GSM/EDGE/TDMA: 25W/Carrier

Section 4. Occupied Bandwidth

Name of Test:	*Occupied Bandwidth*	Test Standard:	*2.1049(i)*
Tested By:	WEI LI	Test Date:	10/09/2006-12/20/2006

Minimum Standard: Not defined by FCC. Input vs. Output.

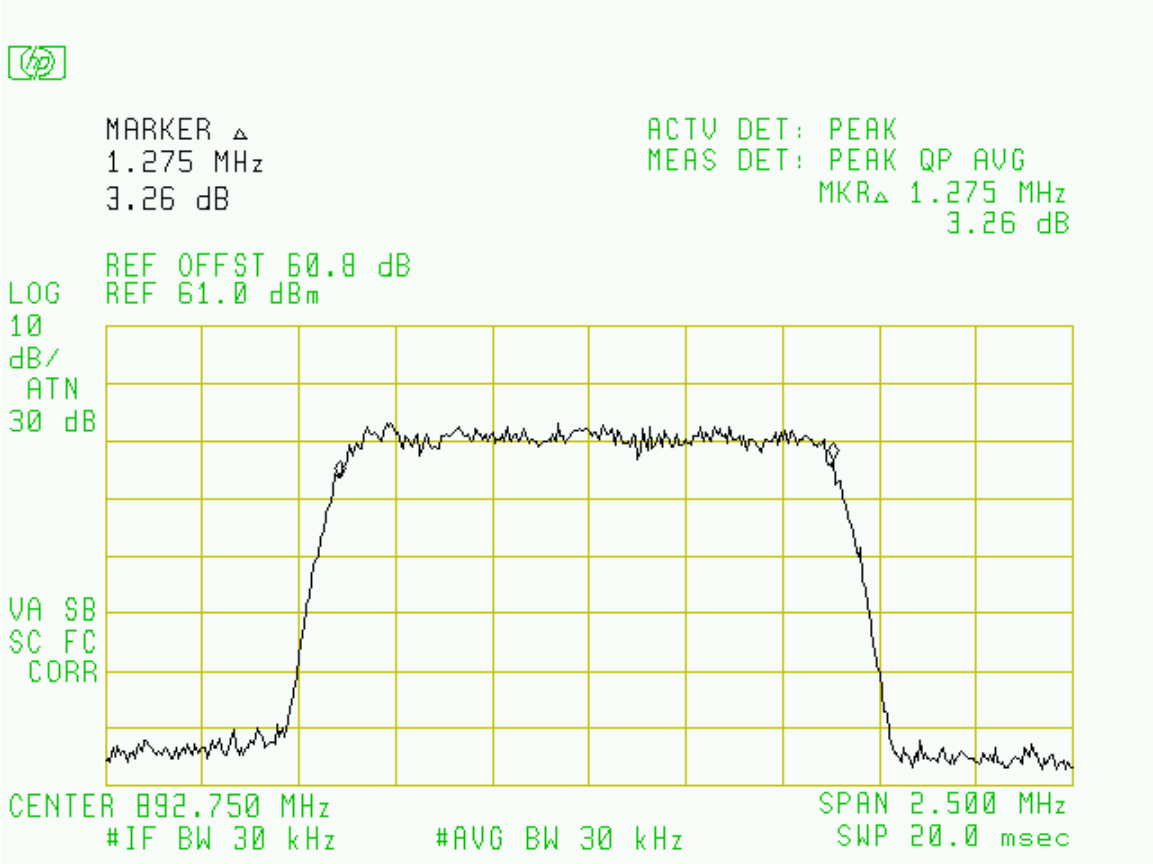
Method of Measurement: Spectrum Analyzer Settings:
RBW: CDMA2000 (30 kHz),WCDMA (100KHz), CDMA(30KHz), GSM (30 kHz), EDGE (30KHz), NADC (1 kHz) and CDPD (1 kHz)
VBW: ≥RBW
Span: As required
Sweep: Auto
Input Signal Characteristics: Generated from Signal Generator
RF level: Rated, recommended by manufacturer
One set of the Input and output plots of 4 PA configuration are shown below as worst case.

Test Result: **Complies**

Test Data: Attached Plots

Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, CDMA2000 Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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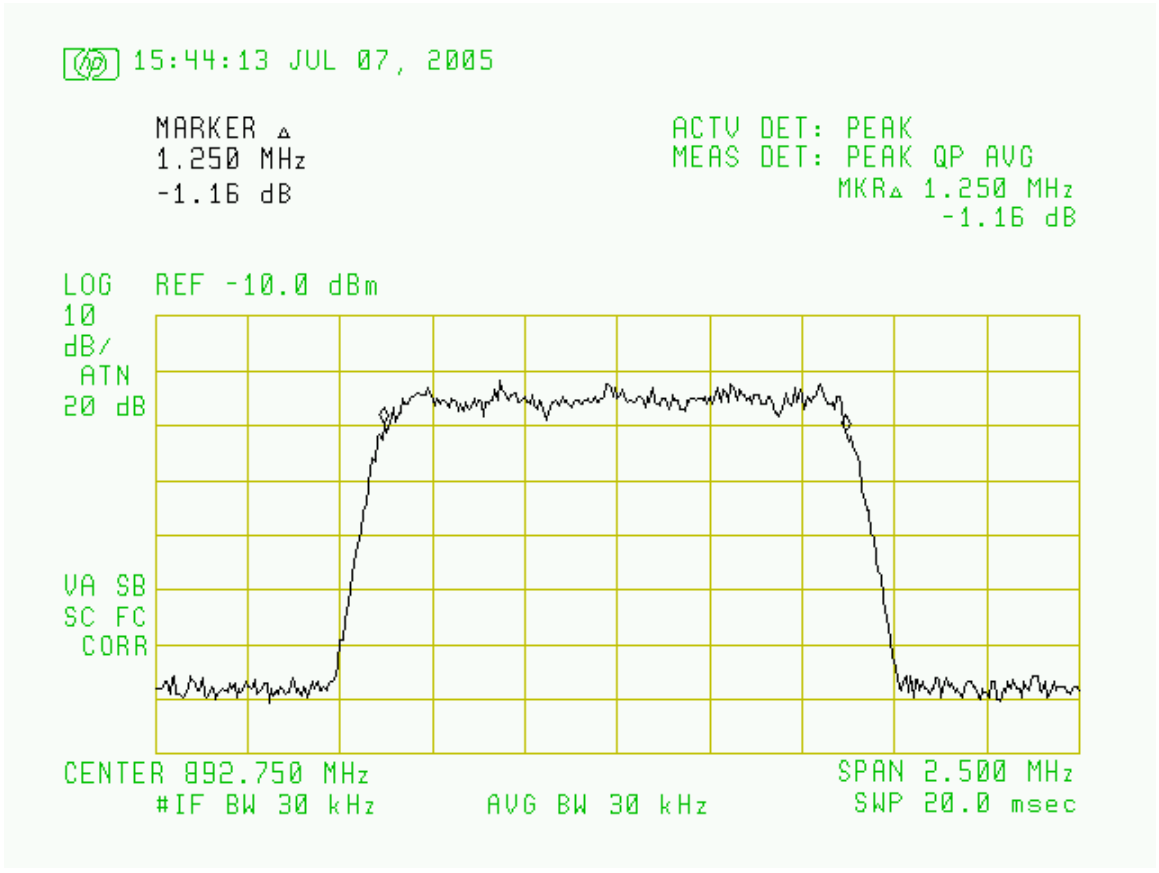

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Temperature:	70°F
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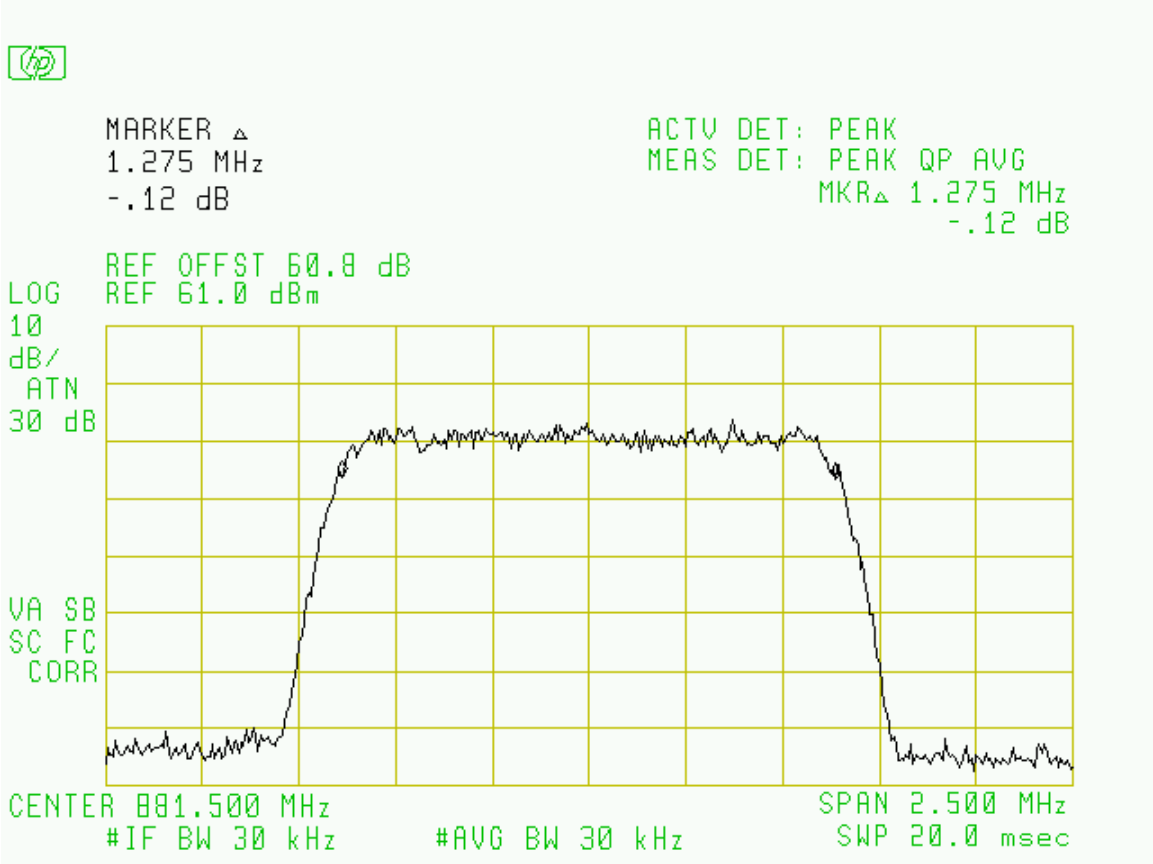
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Mid-Channel, CDMA2000 Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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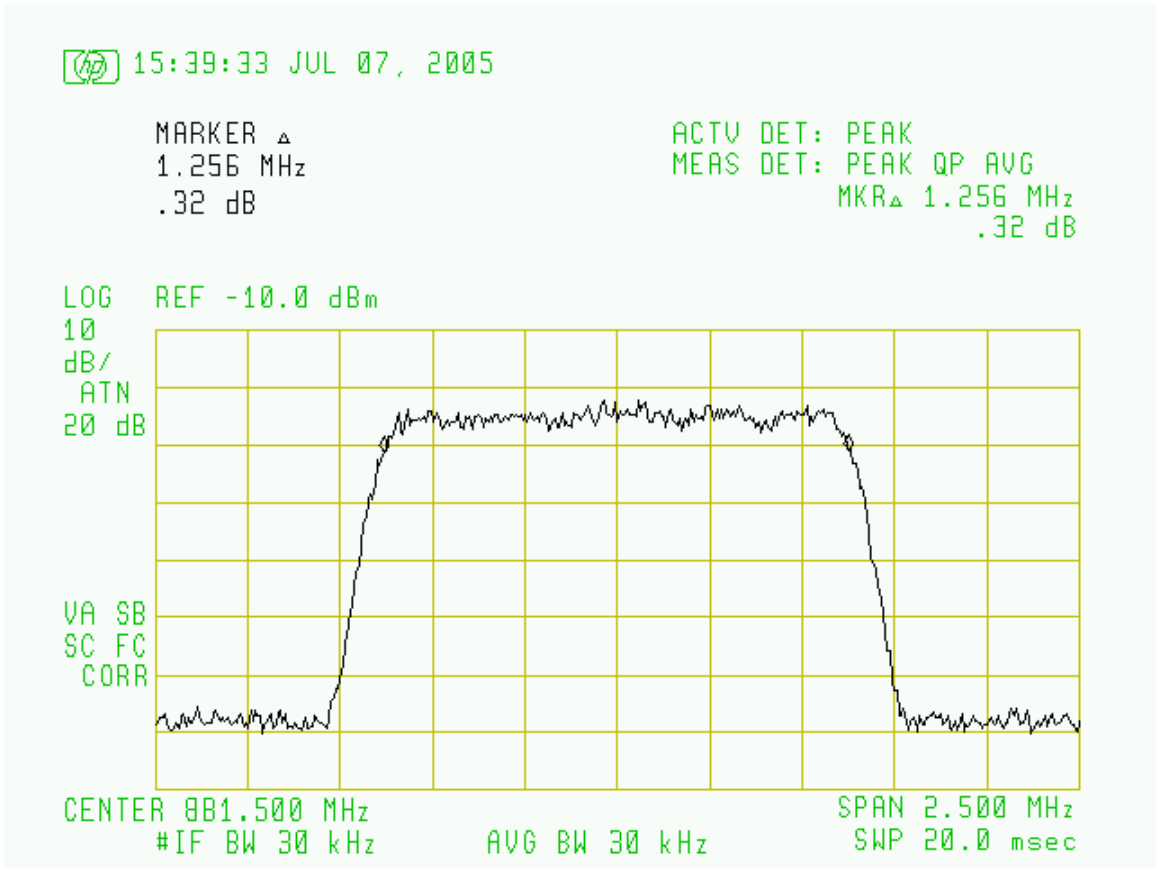

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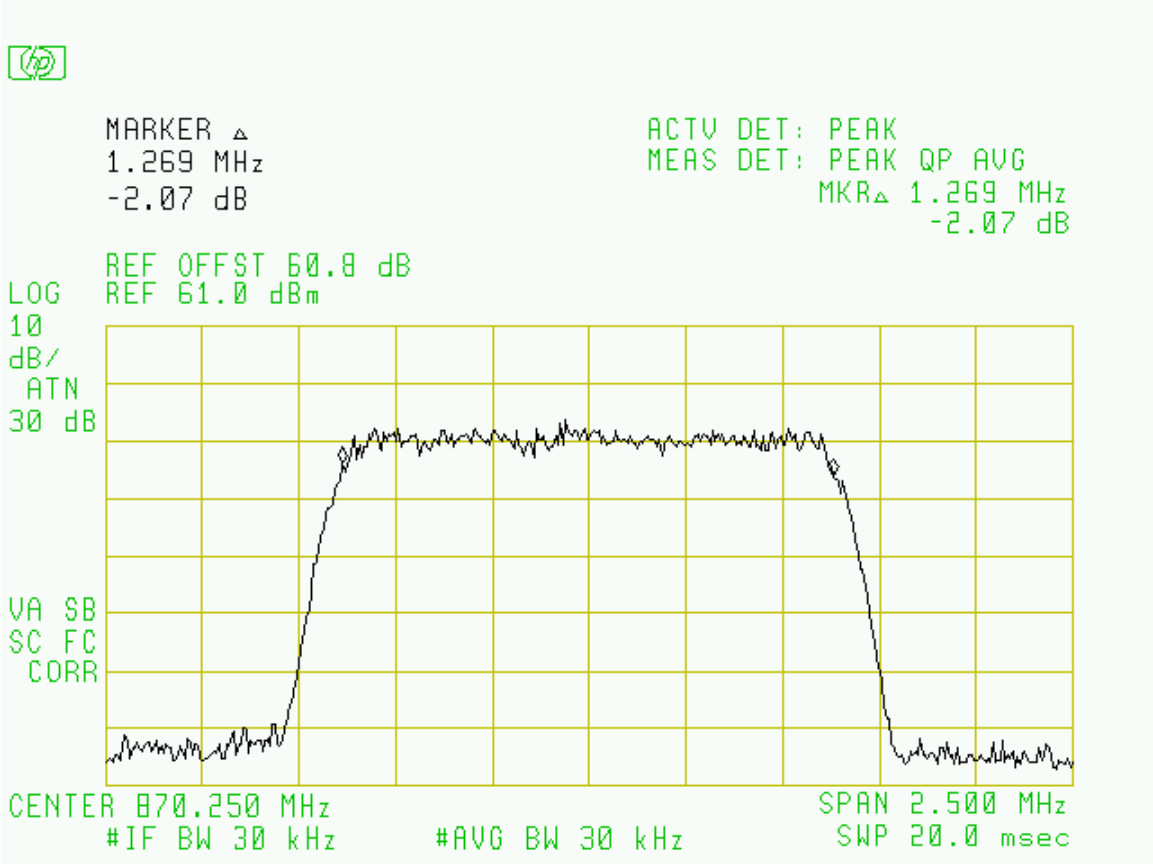
Plot Name:	**Downlink, Low-Channel,CDMA2000 Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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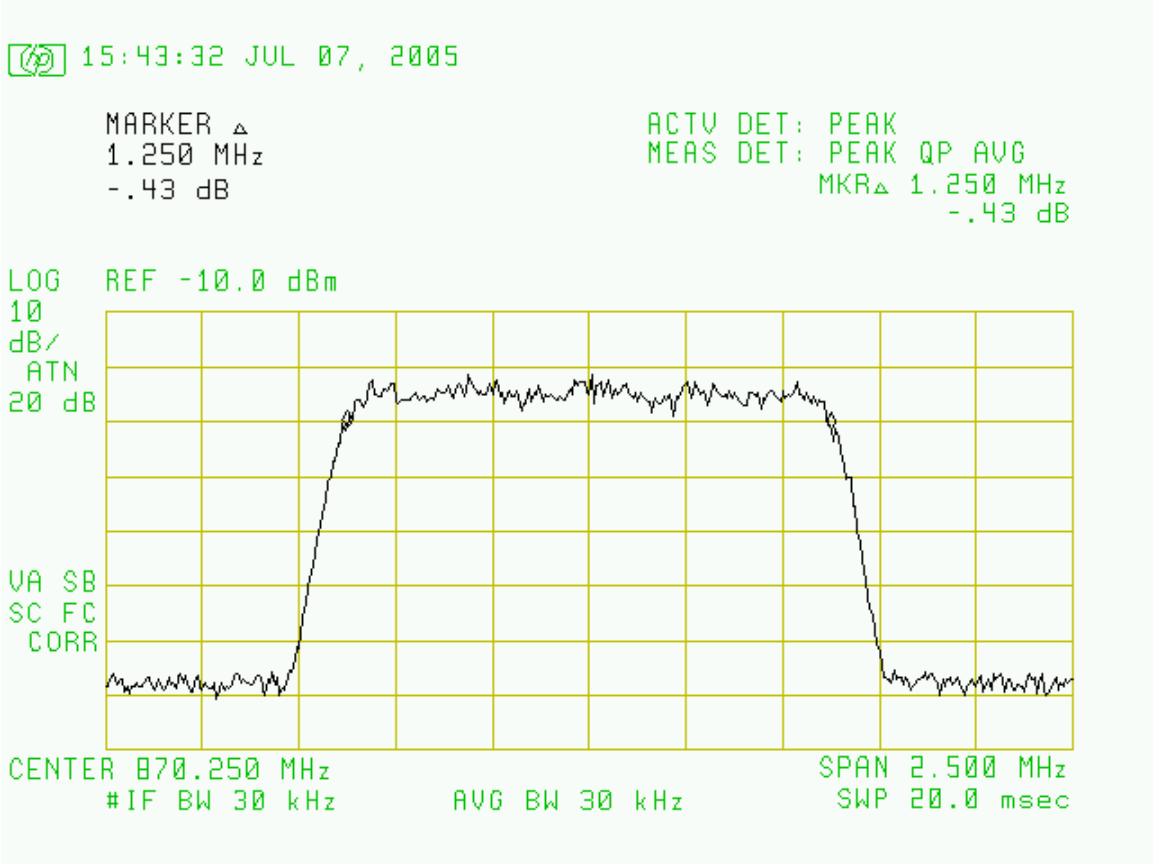
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Low-Channel, CDMA Modulation**
Configuration:	Input: SG



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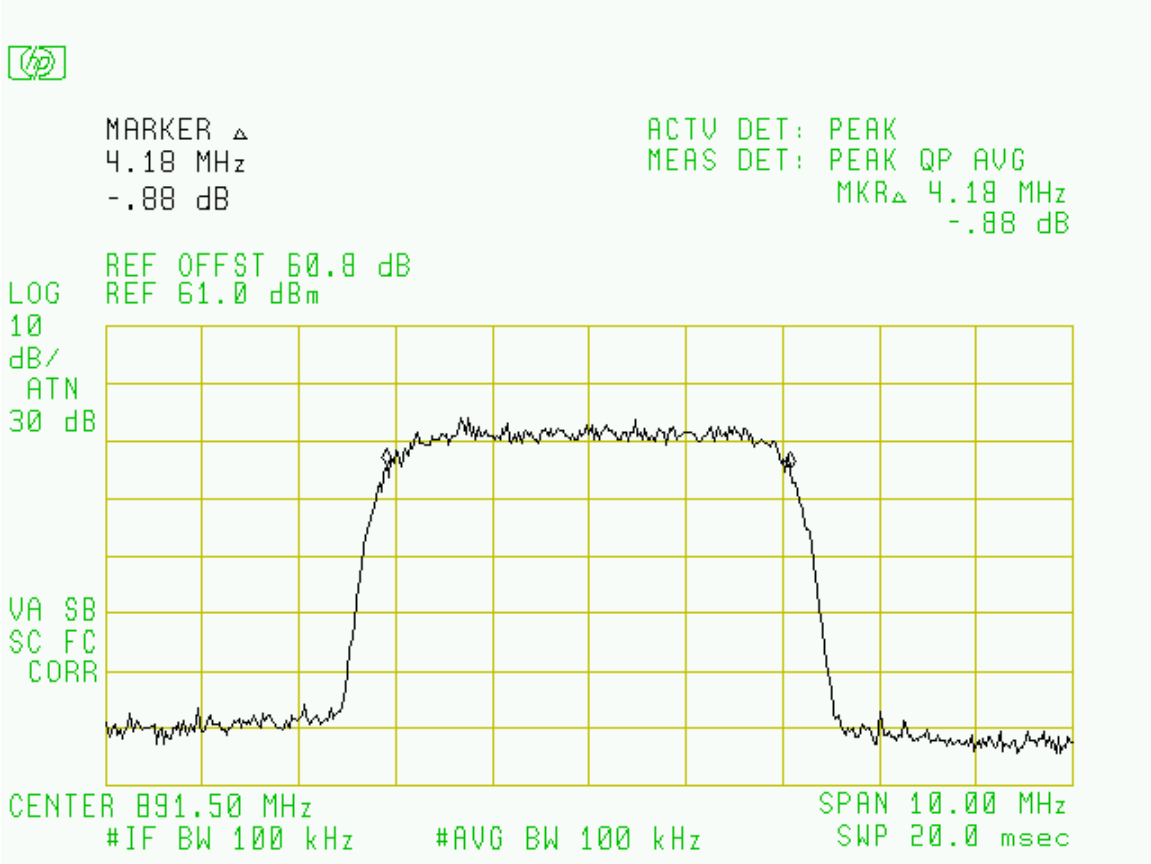
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, WCDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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Tested By:	Wei Li
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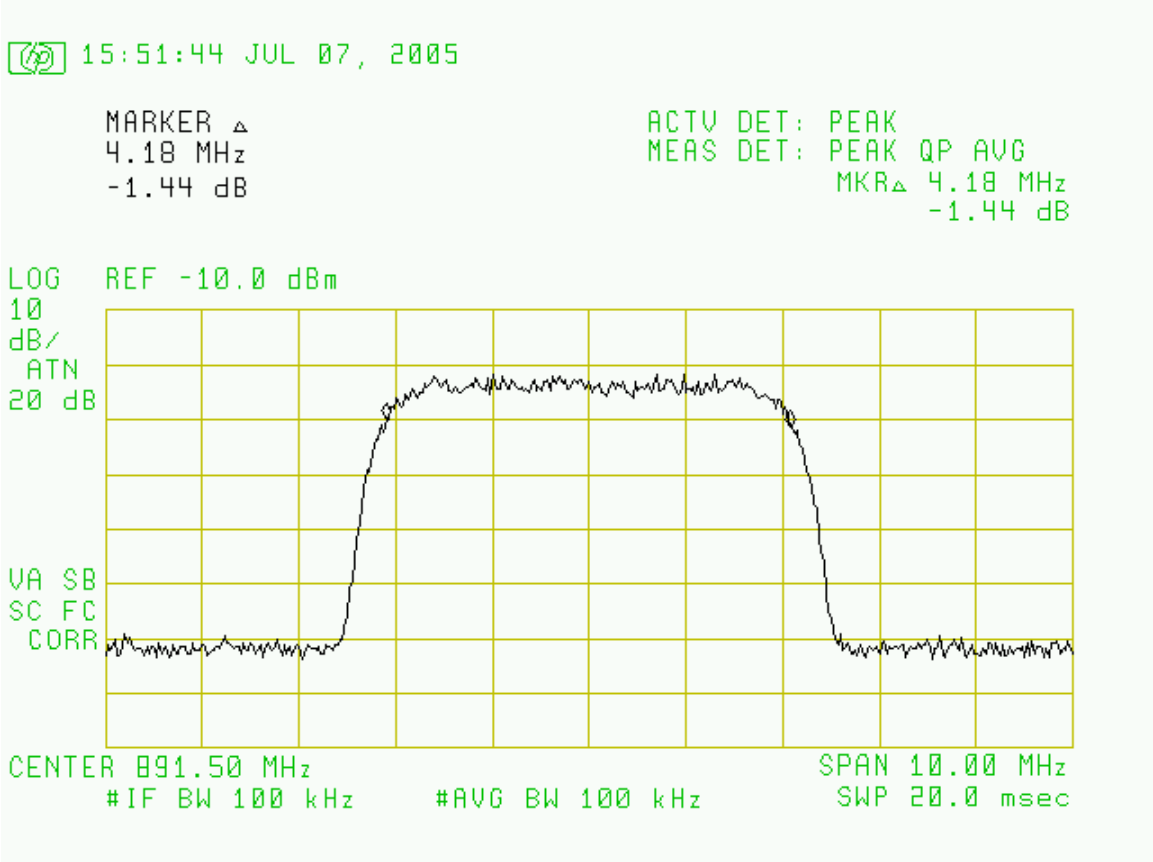
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, WCDMA Modulation**
Configuration:	Input: SG



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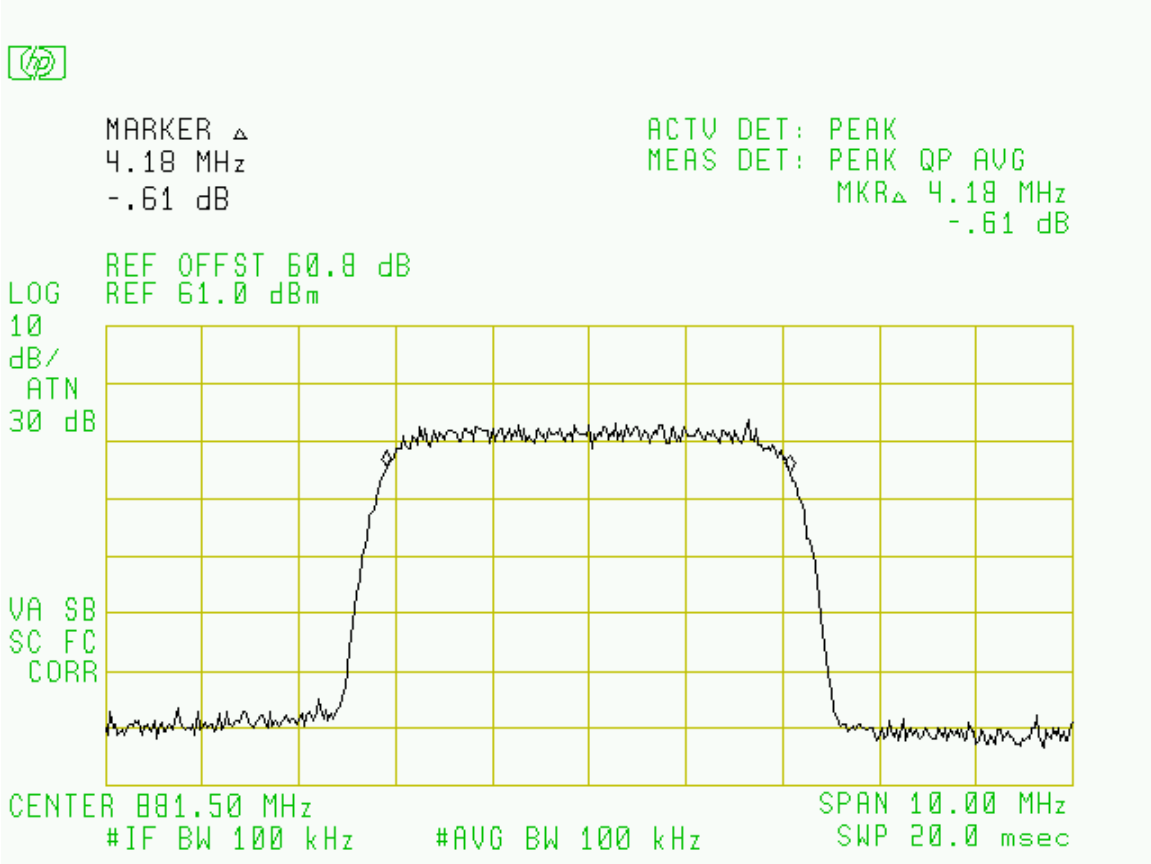
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Mid-Channel, WCDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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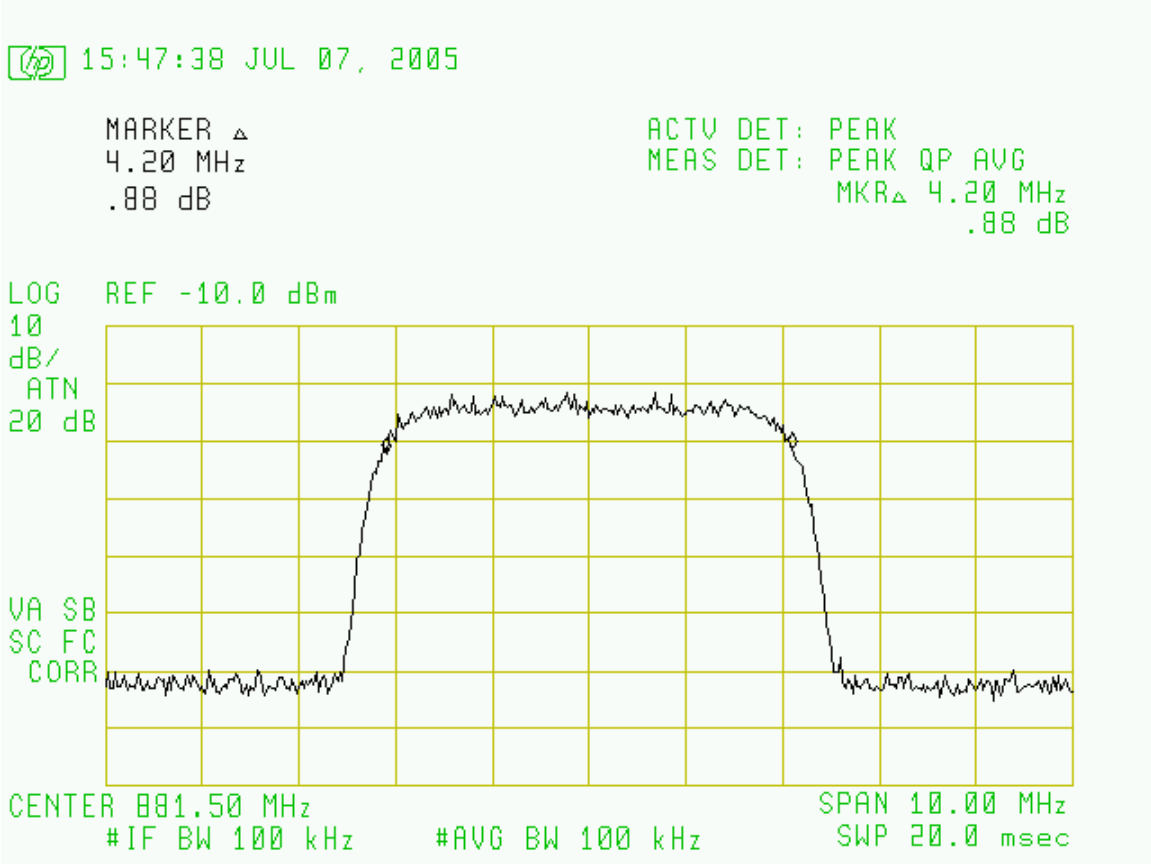
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Mid-Channel, WCDMA Modulation**
Configuration:	Input: SG



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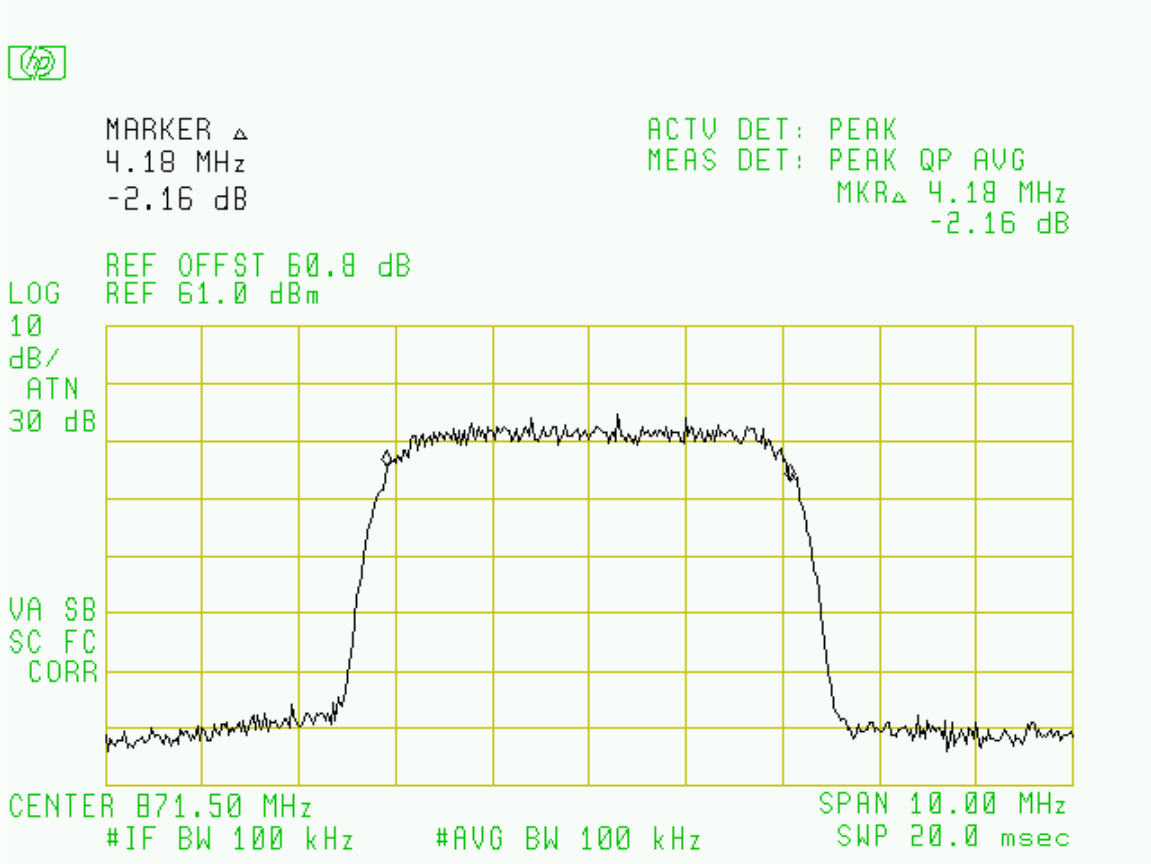
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Low-Channel, WCDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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Tested By:	Wei Li
Temperature:	70°F
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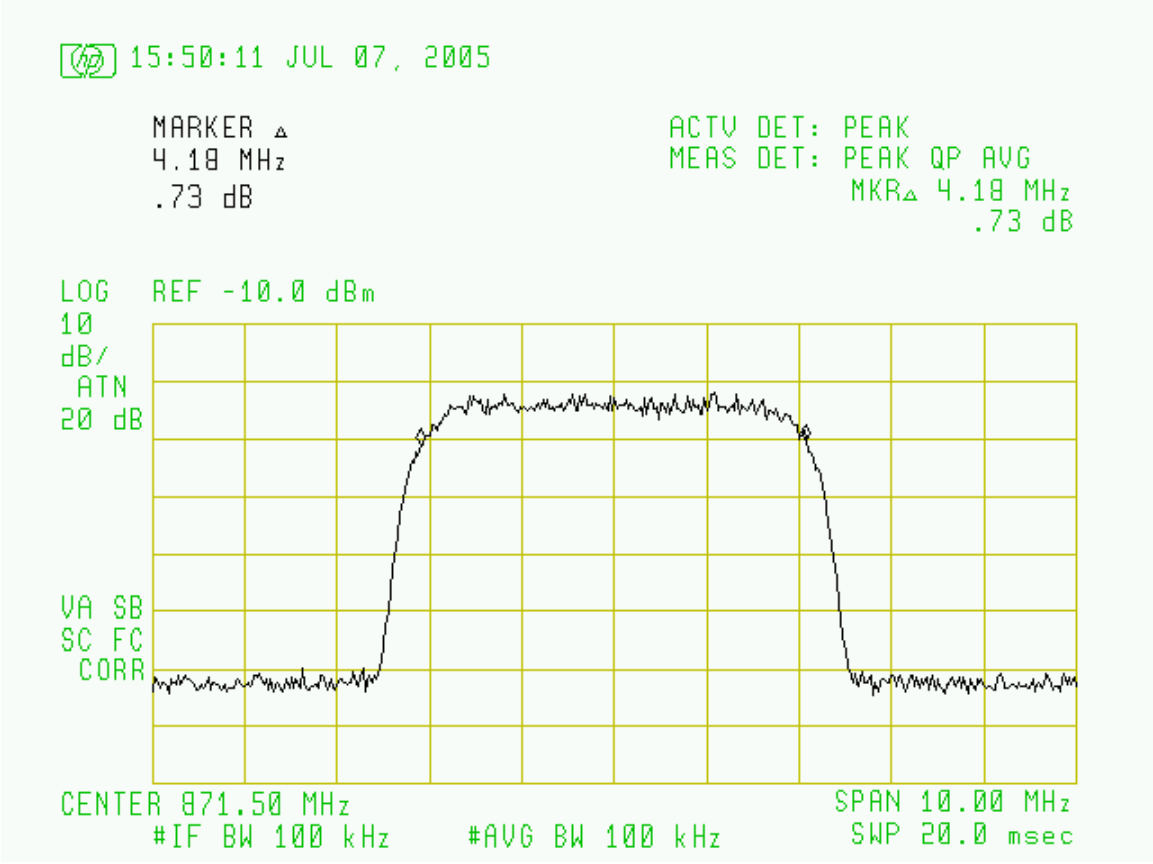
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Low-Channel, WCDMA Modulation**
Configuration:	Input: SG



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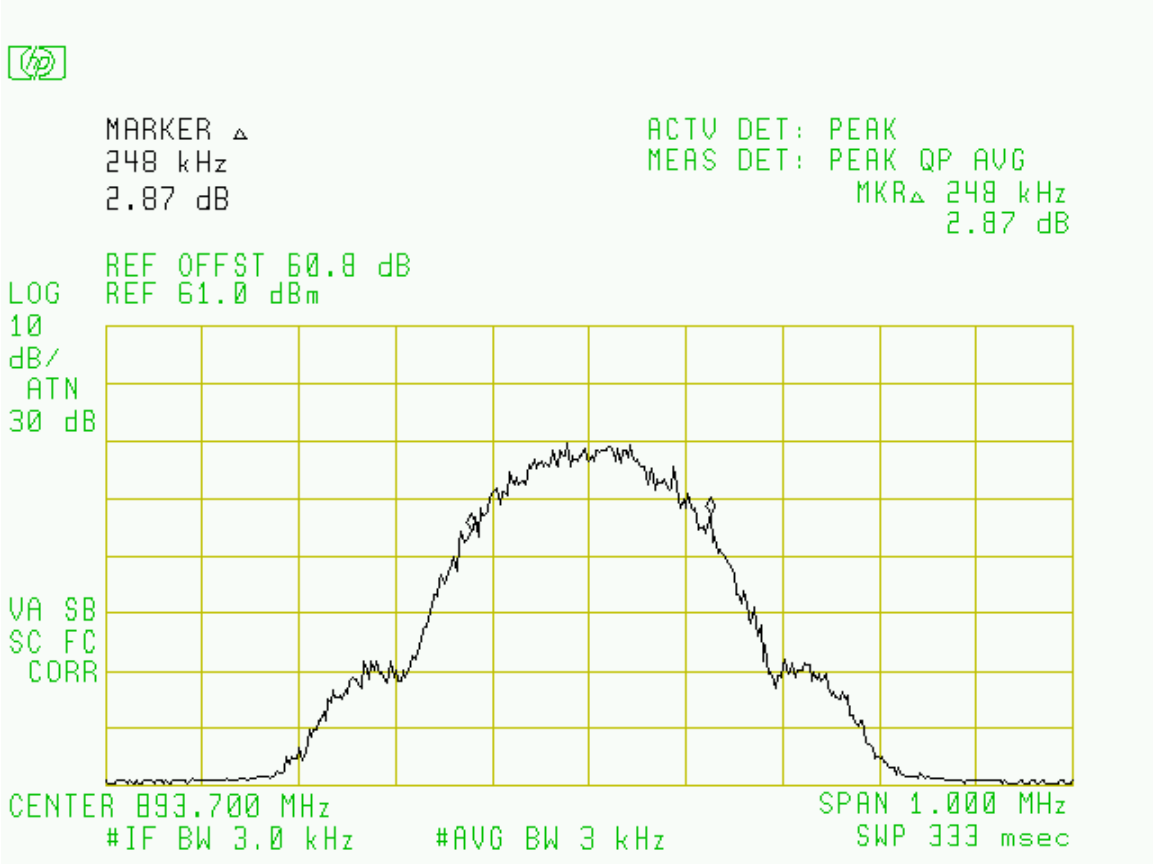
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, GSM Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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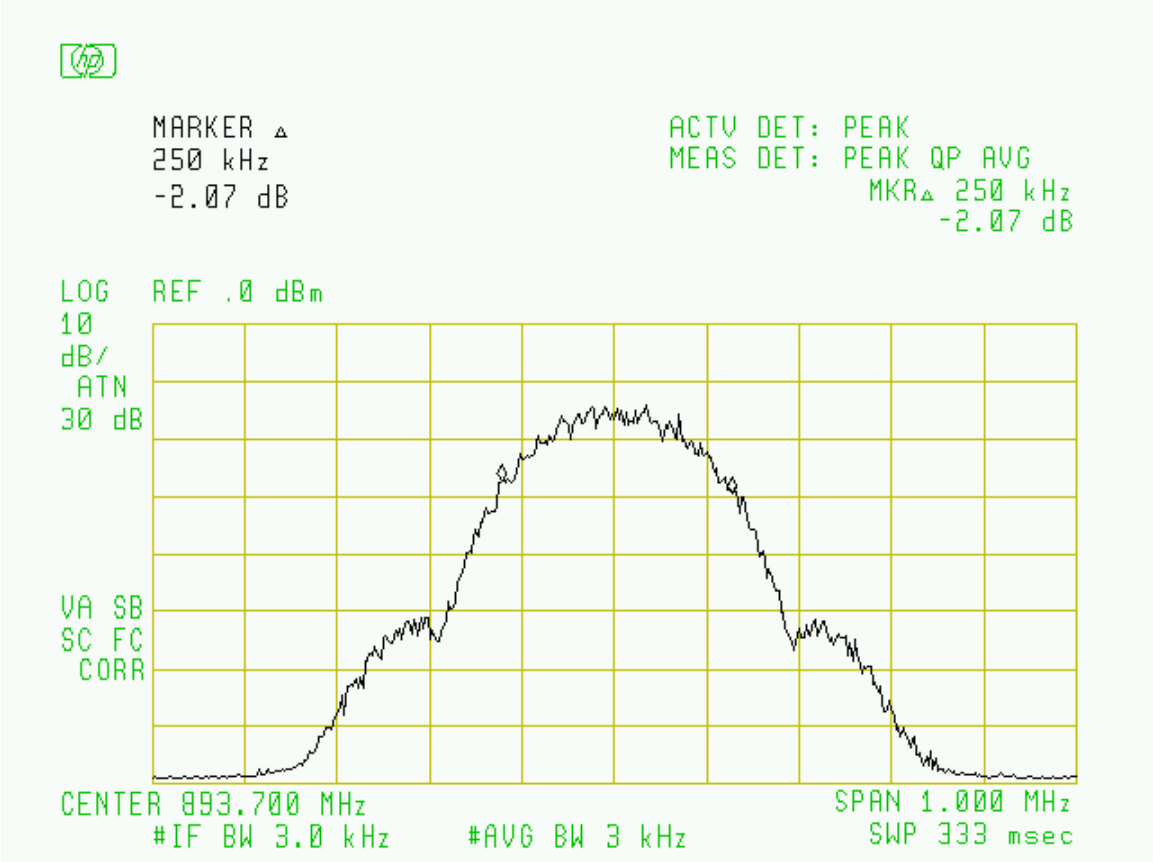
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, GSM Modulation**
Configuration:	Input: SG



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EUT:	ANDREW OneBase Cell Extender OBE-DB-X
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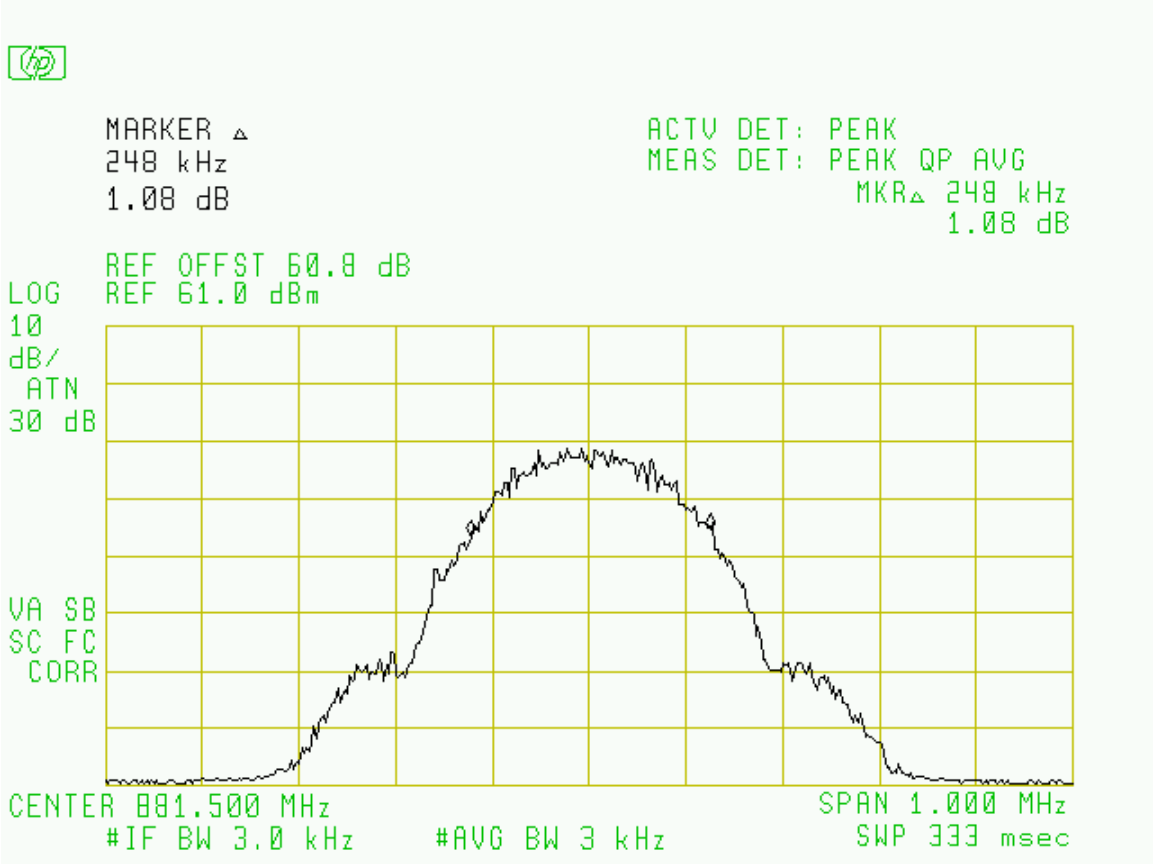
Tested By:	Wei Li
Temperature:	70˚F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Mid-Channel, GSM Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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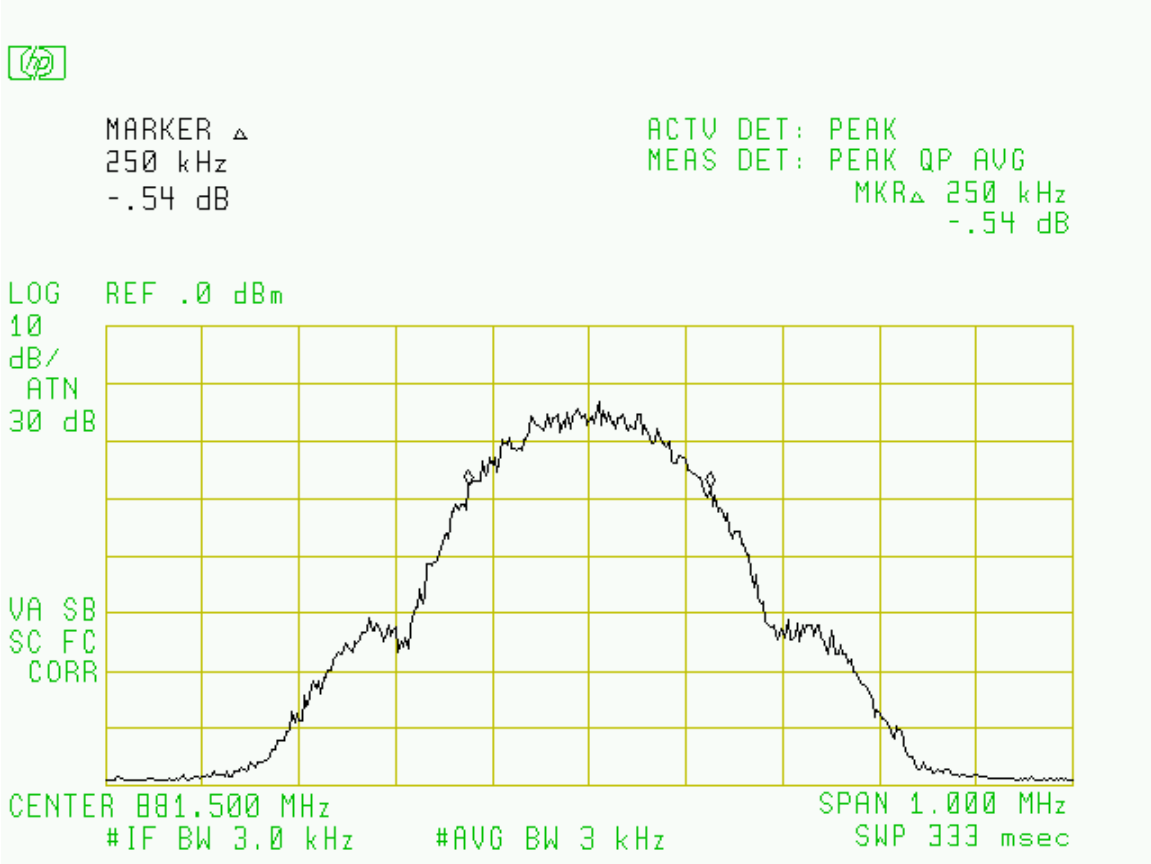
Plot Name:	**Downlink, Mid-Channel, GSM Modulation**
Configuration:	Input: SG



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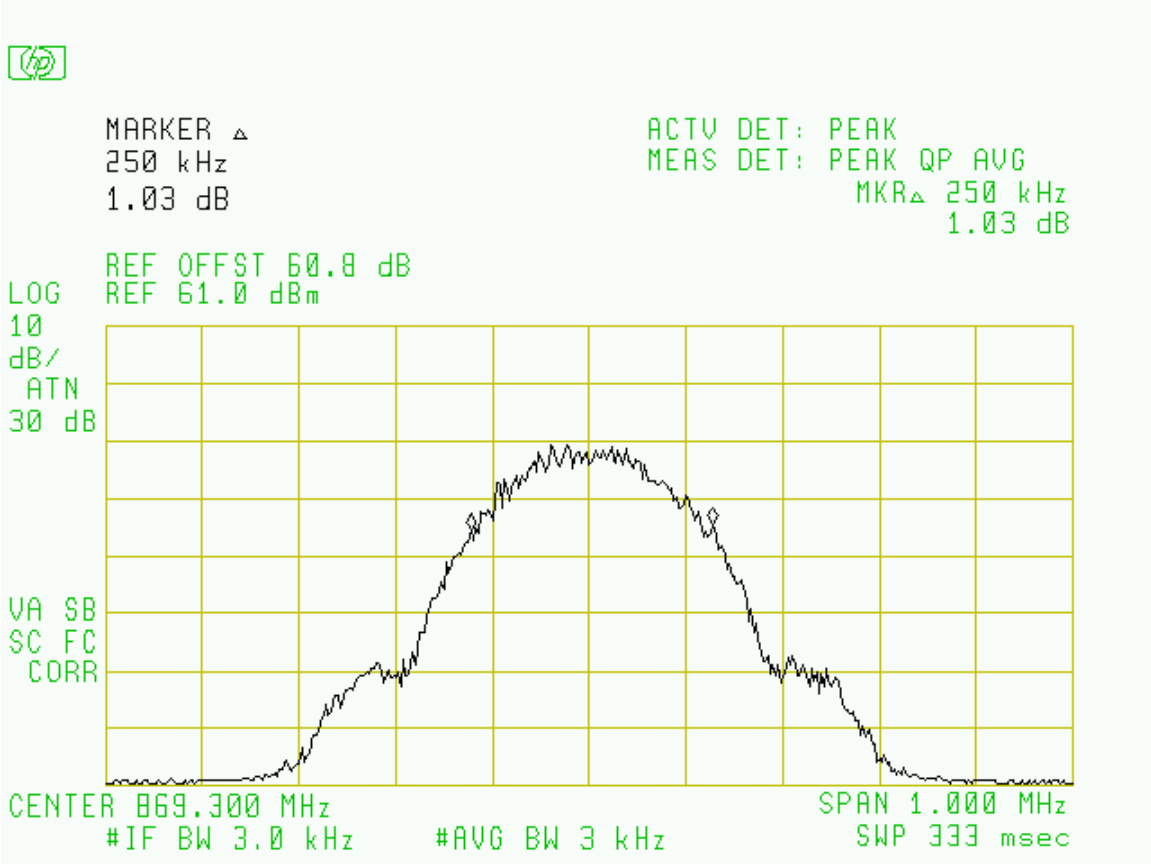

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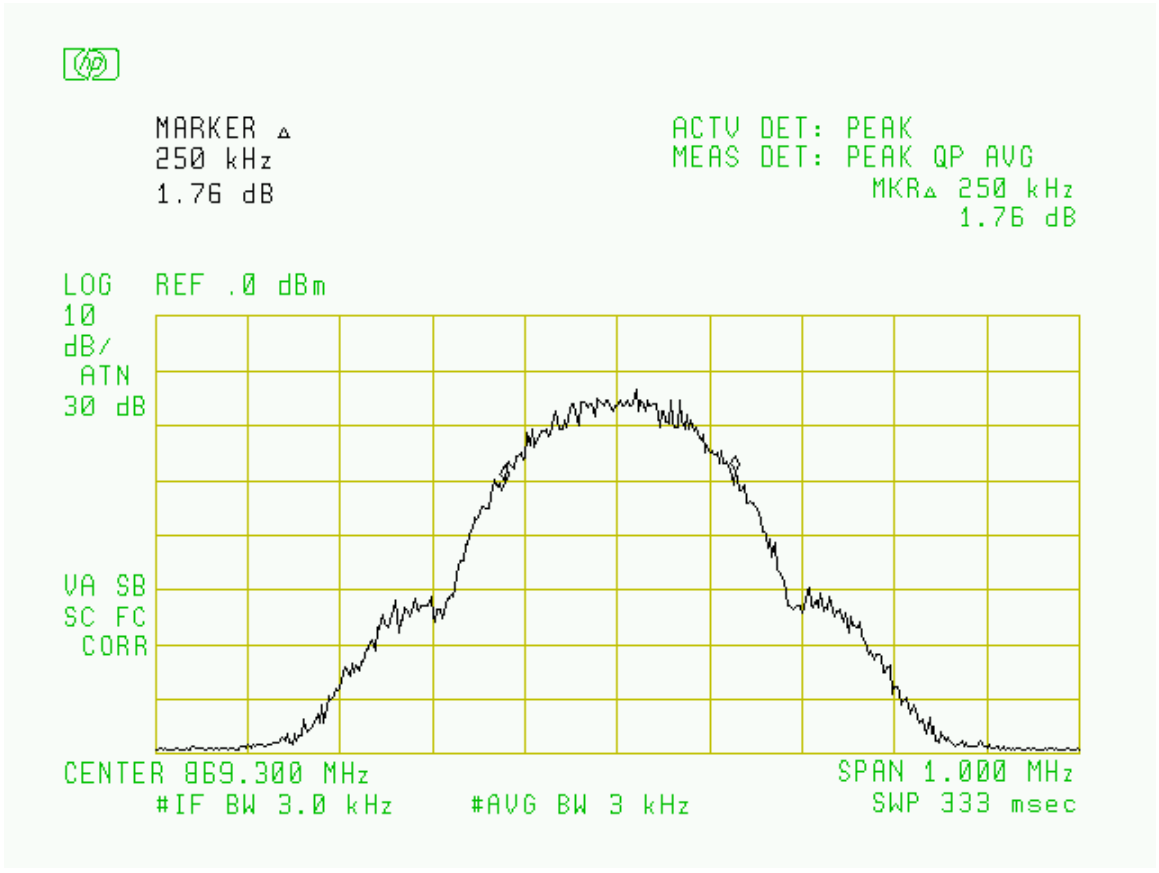
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Low-Channel, GSM Modulation**
Configuration:	Input: SG



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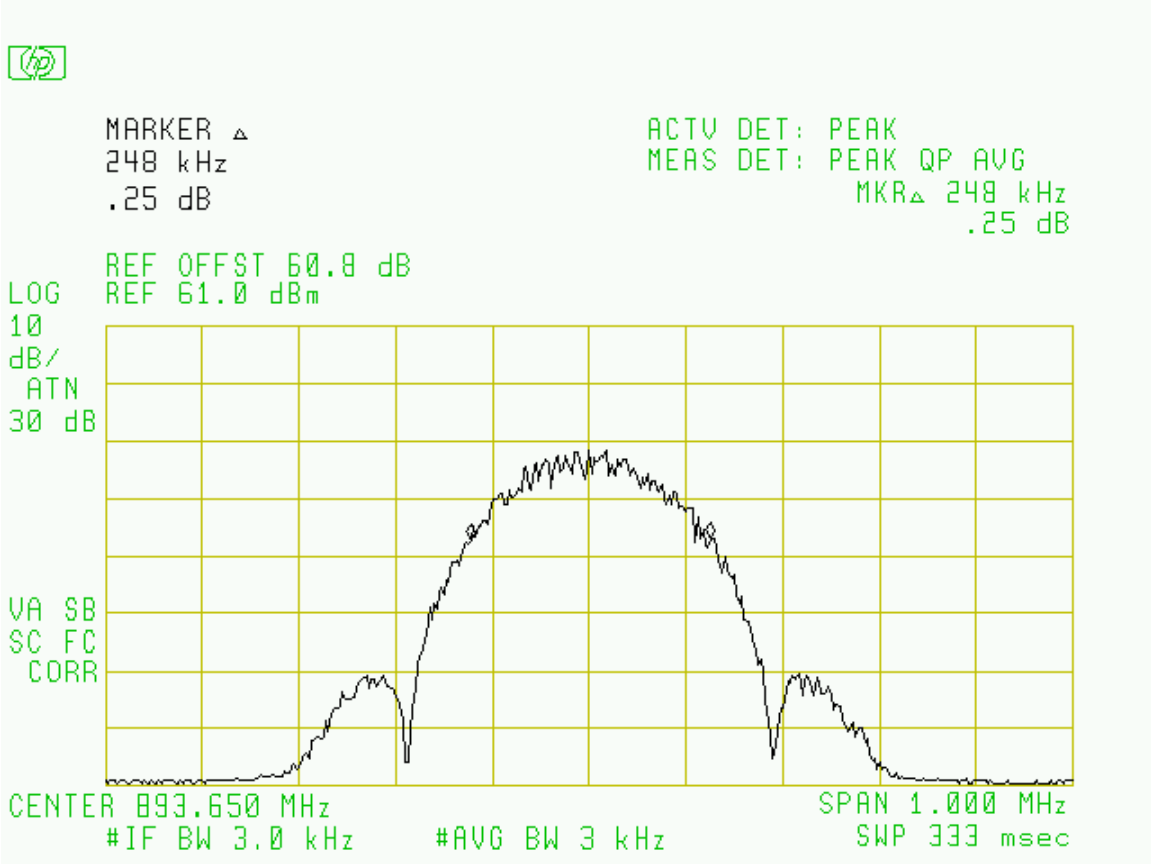
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, EDGE Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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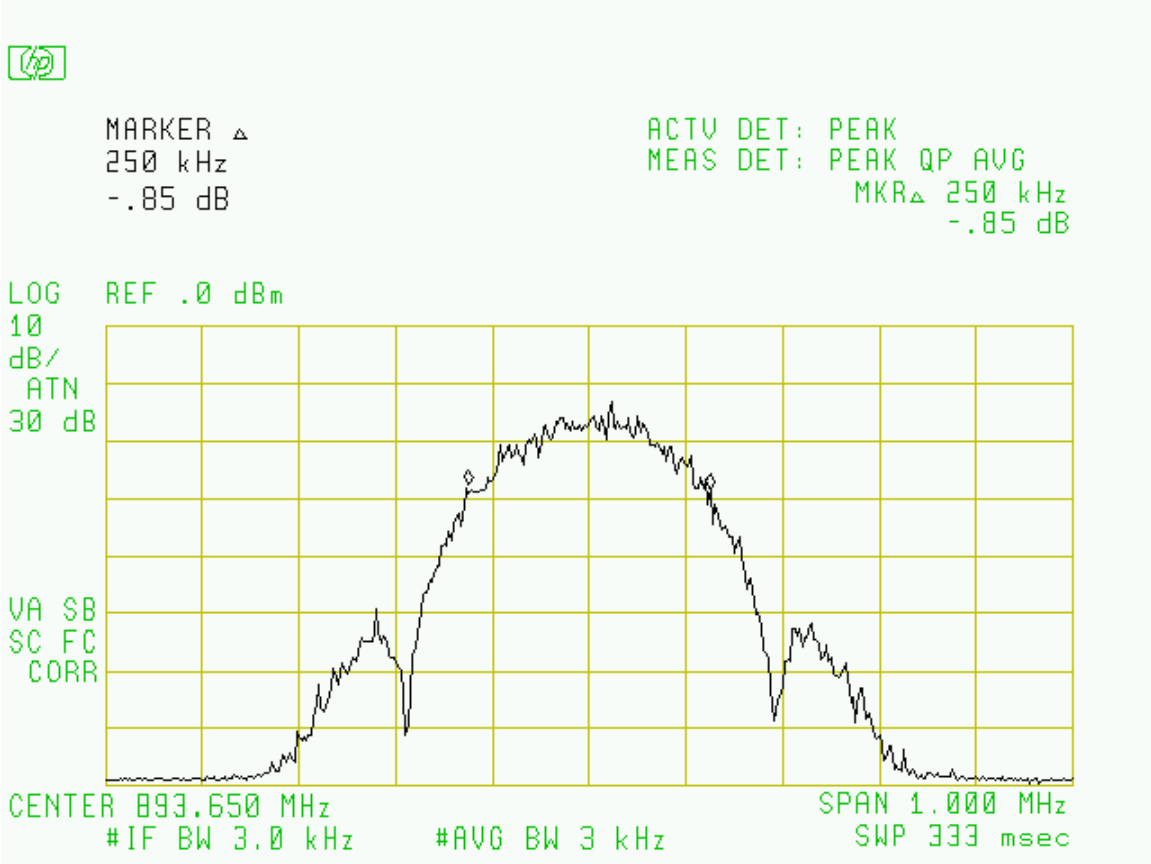

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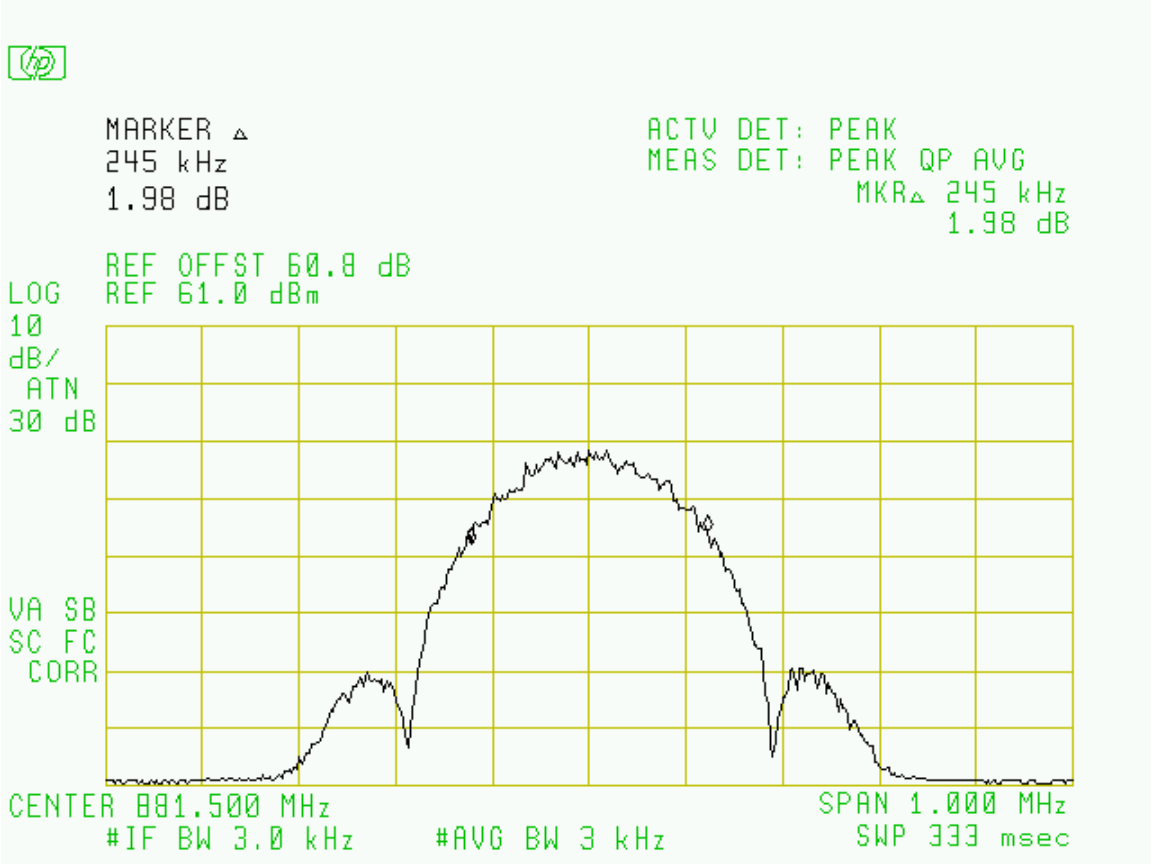
Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Mid-Channel, EDGE Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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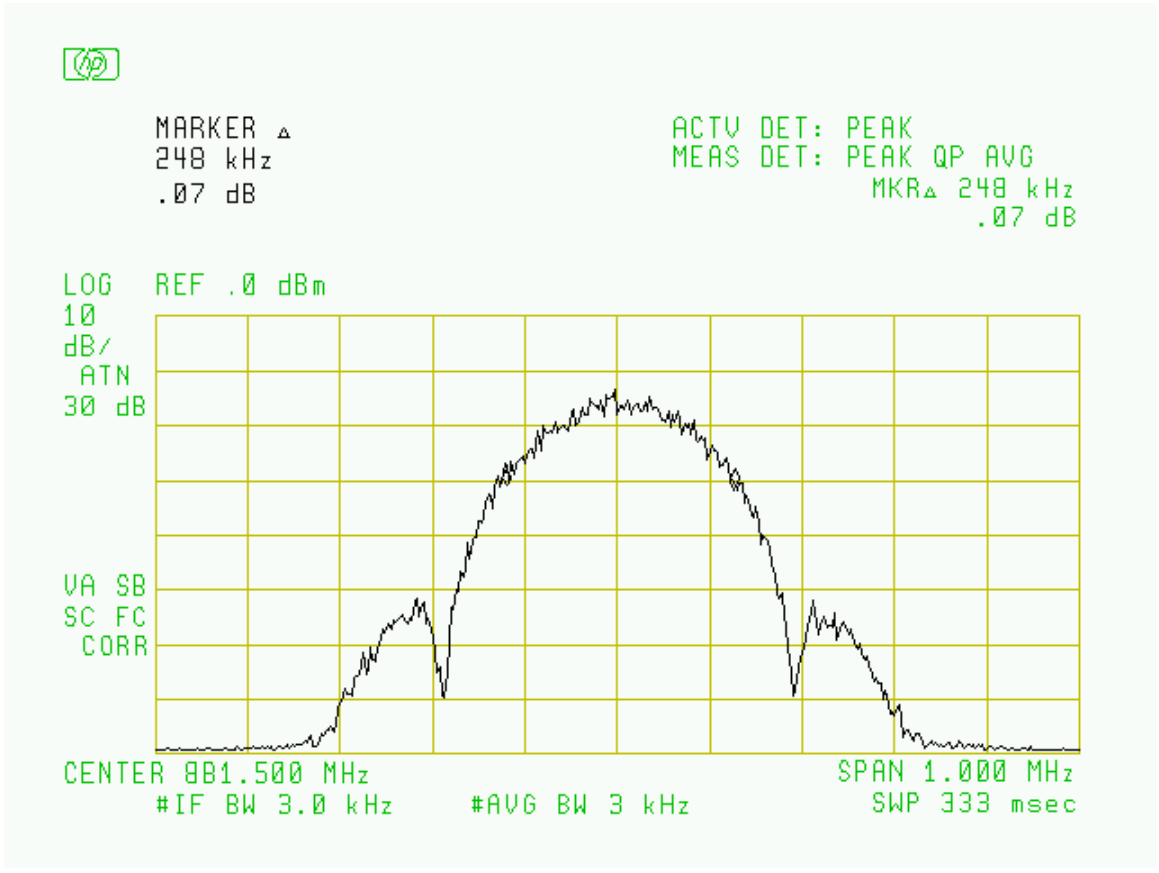

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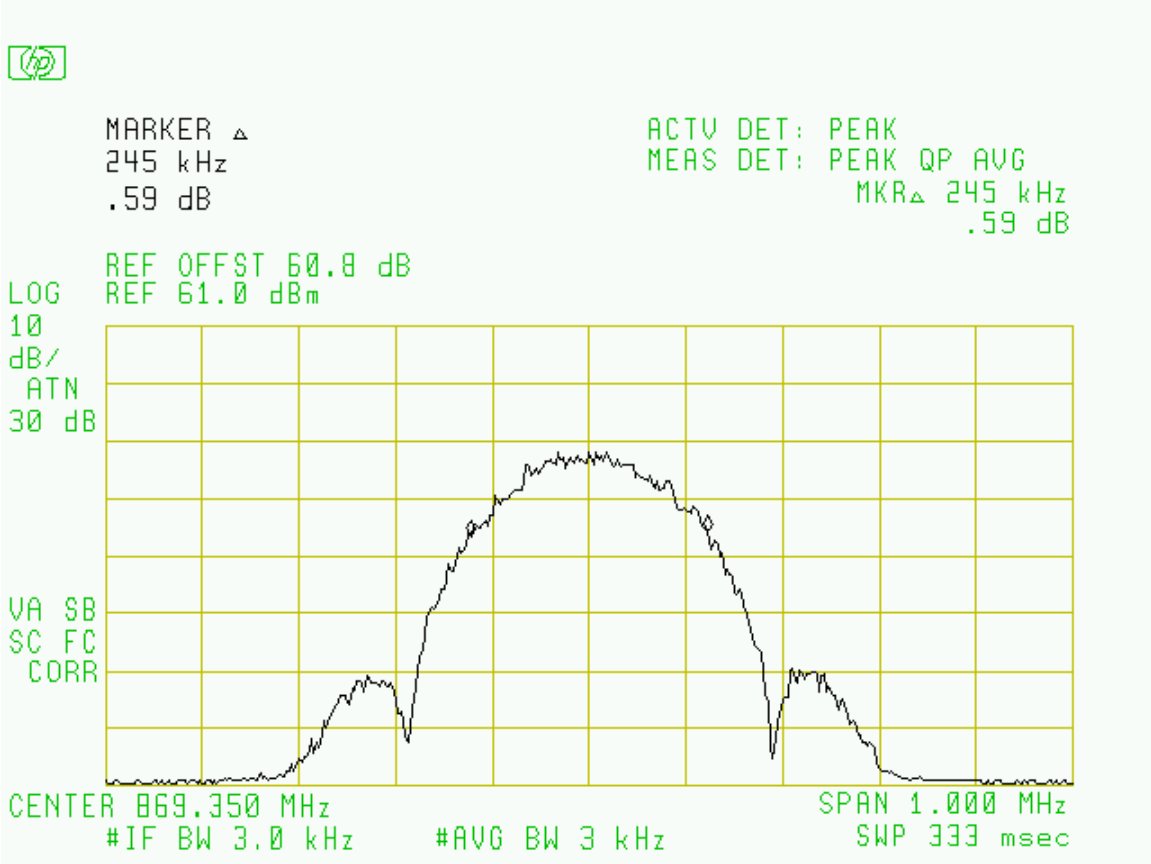

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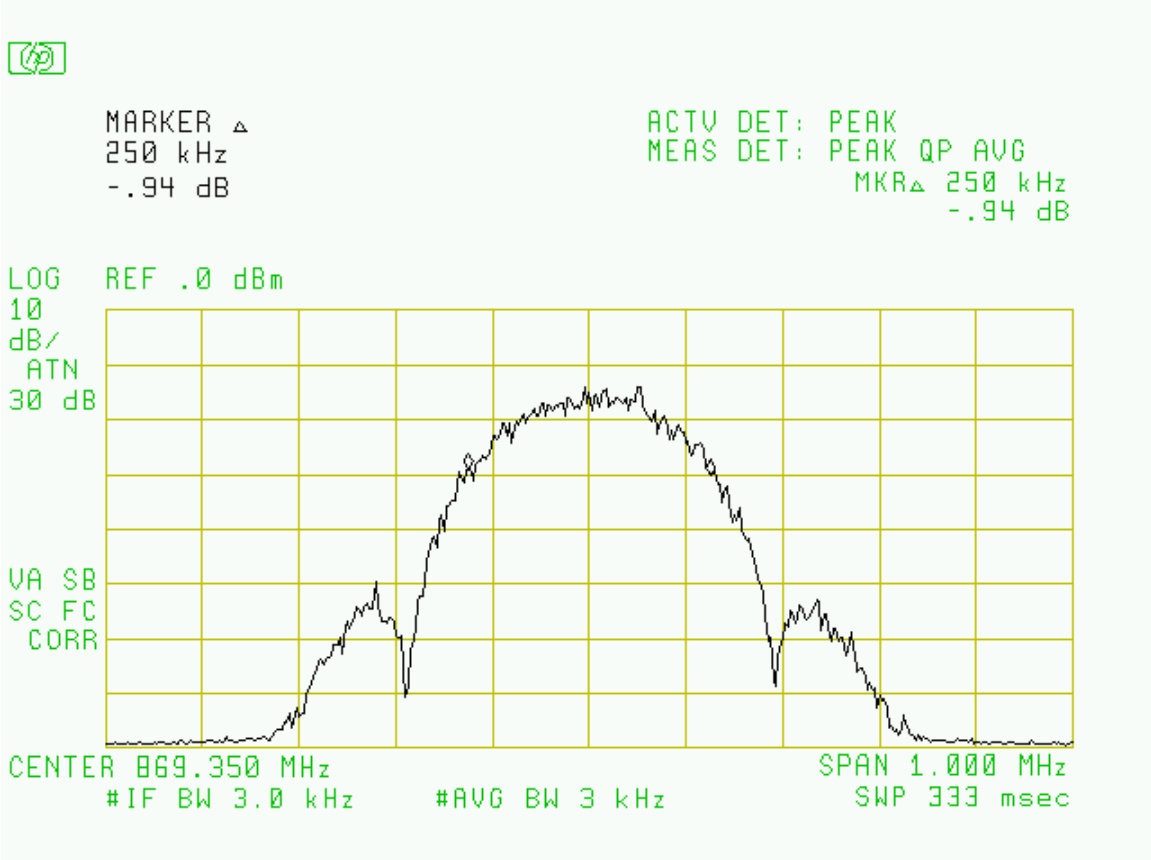
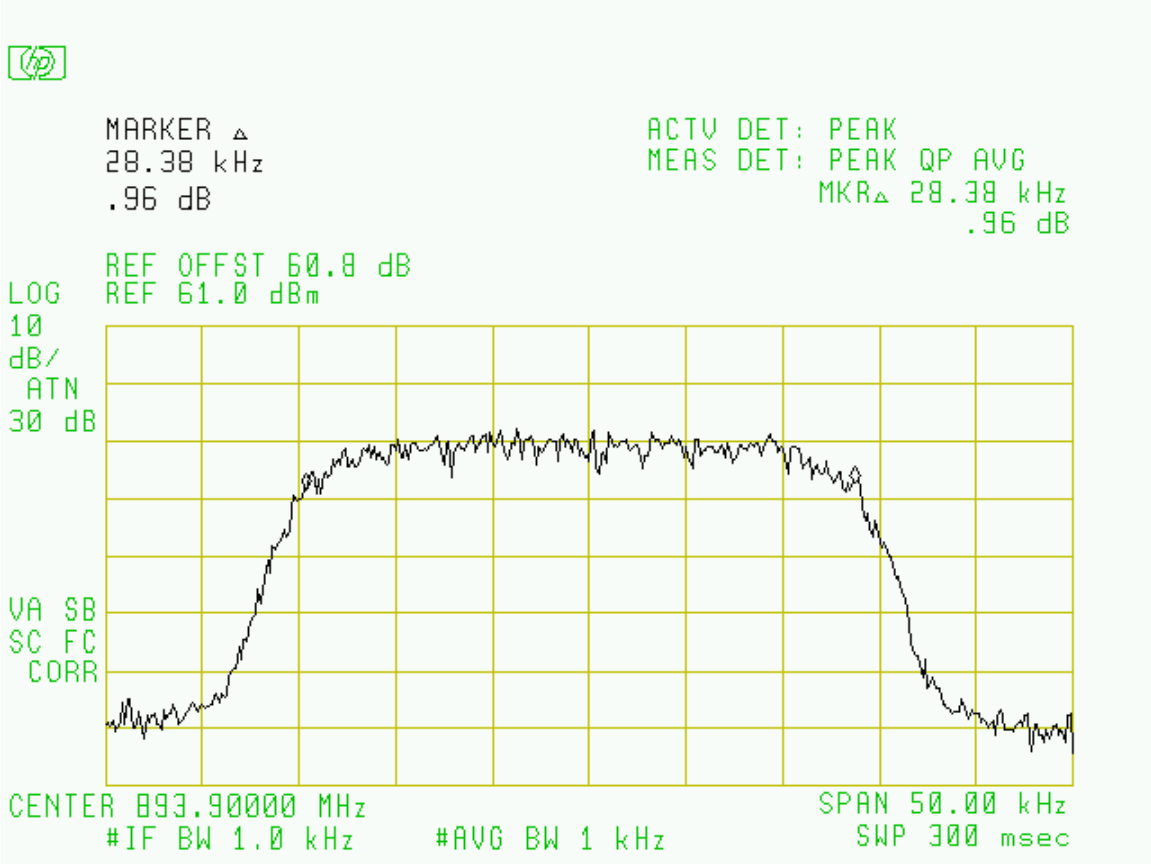
Plot Name:	**Downlink, Low-Channel, EDGE Modulation**
Configuration:	Input: SG



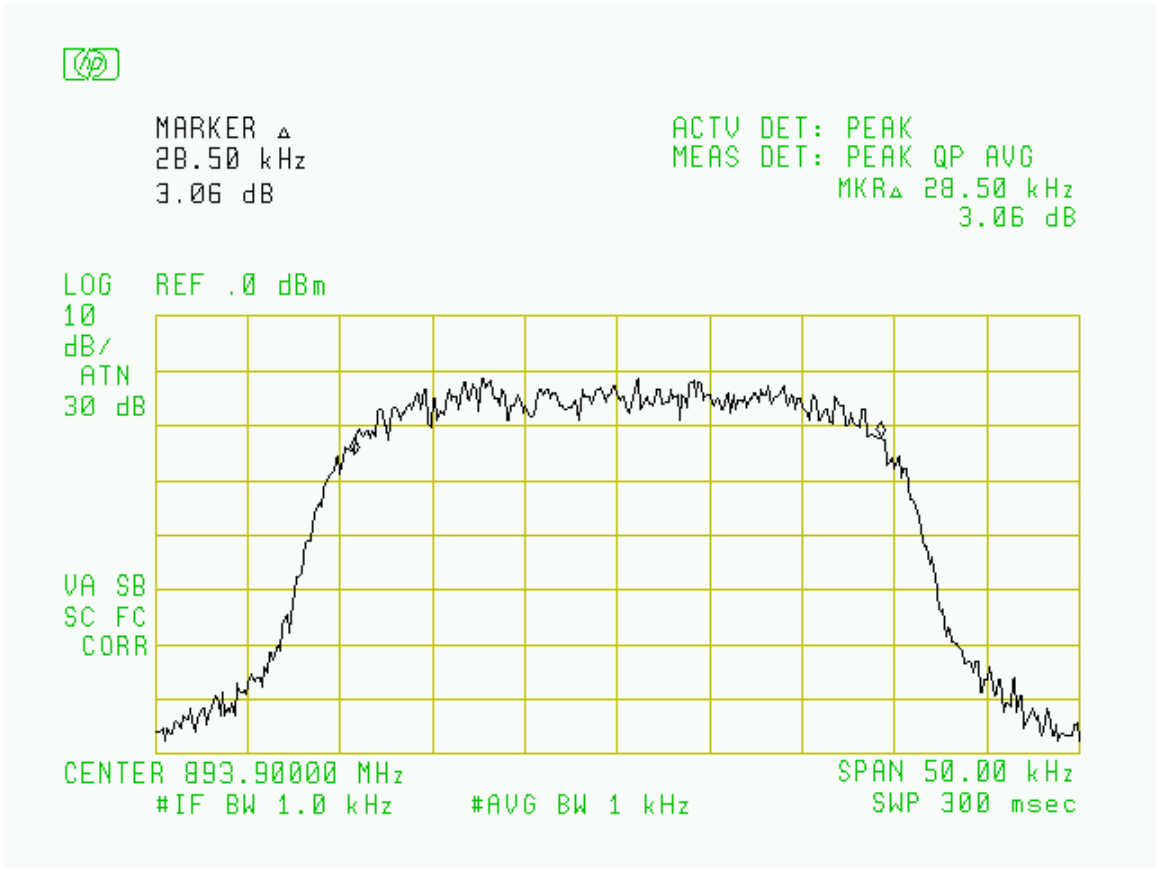
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, TDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



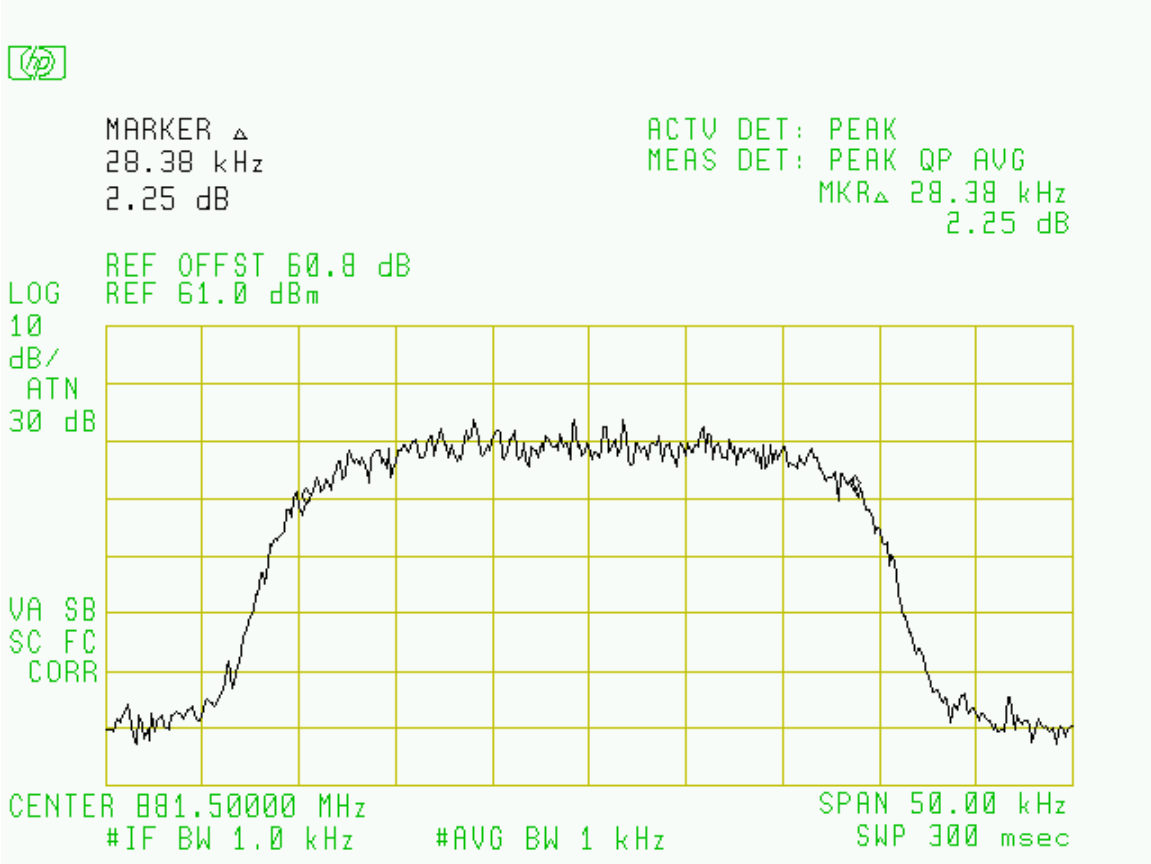
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Hi-Channel, TDMA Modulation**
Configuration:	Input: SG



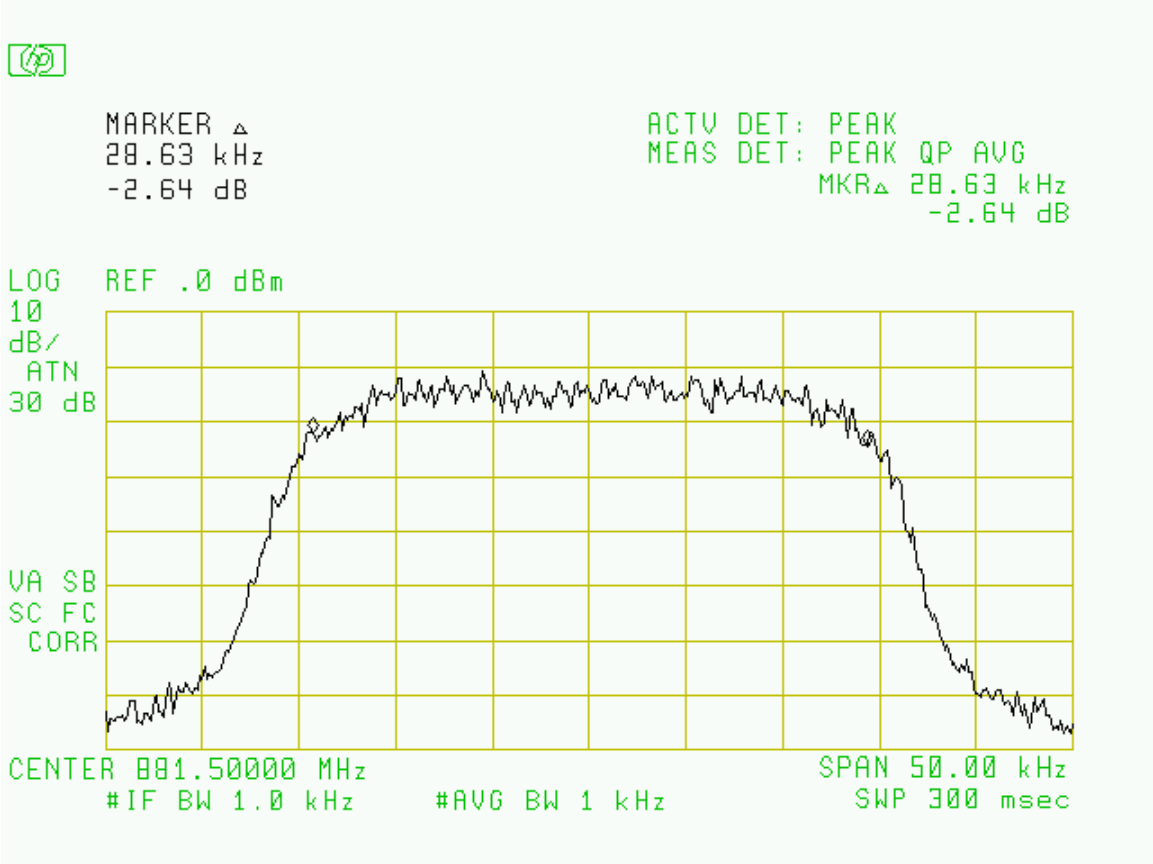
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Mid-Channel, TDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



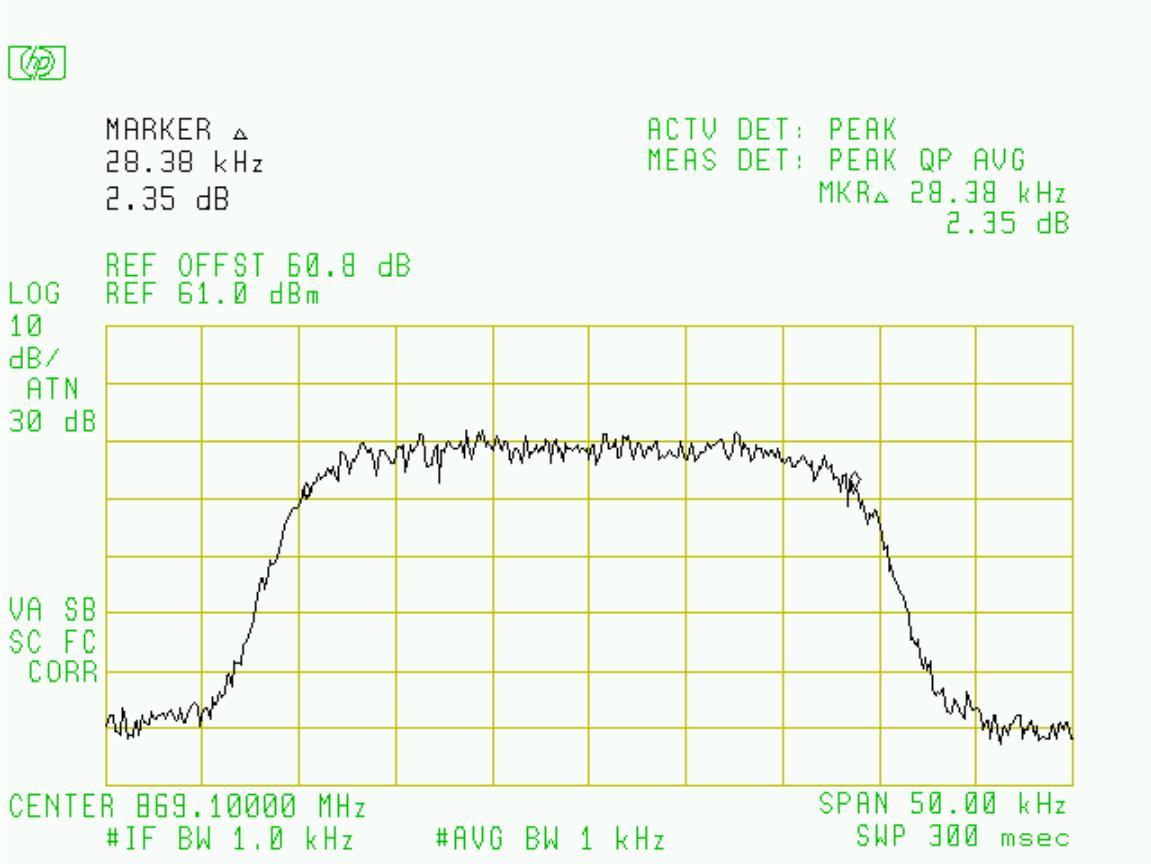
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Mid-Channel, TDMA Modulation**
Configuration:	Input: SG



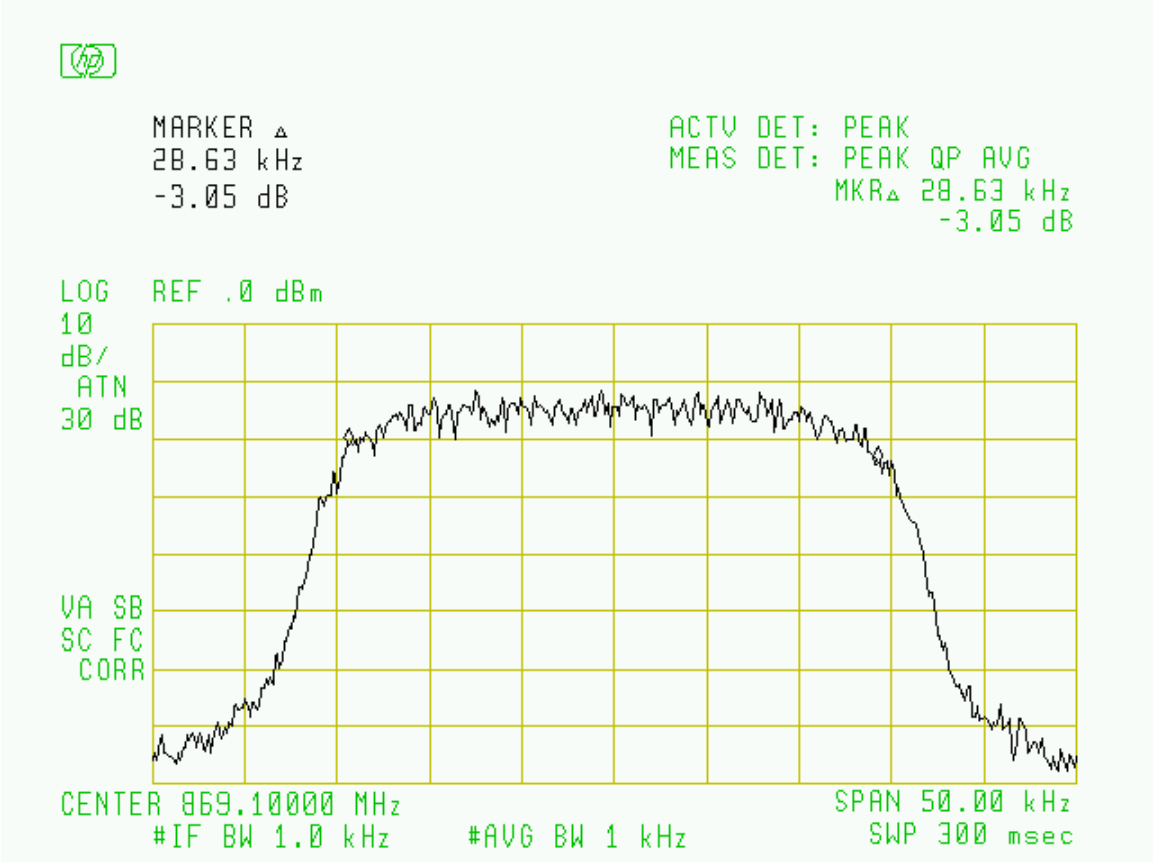
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Low-Channel ,TDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



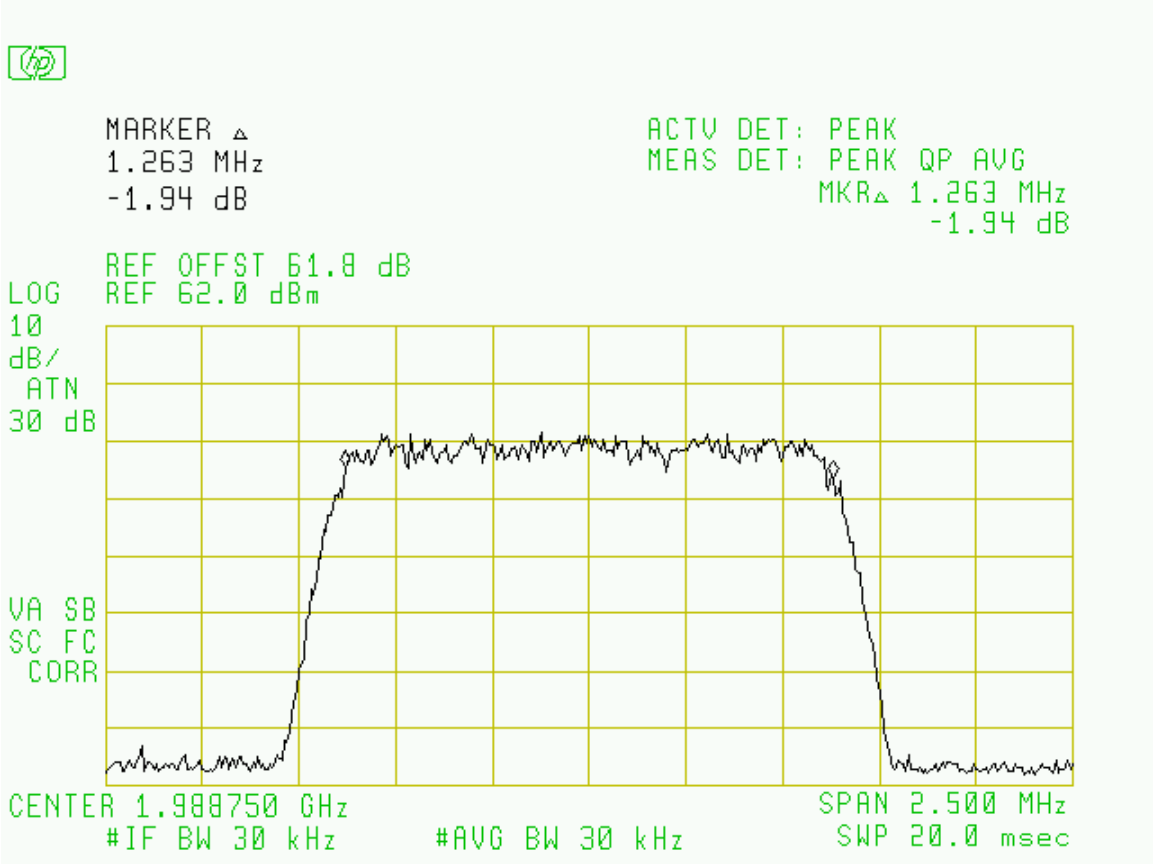
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70˚F
Humidity:	30%

Section:	**Occupied Bandwidth: CELLULAR Bands**
Plot Name:	**Downlink, Low-Channel, TDMA Modulation**
Configuration:	Input: SG



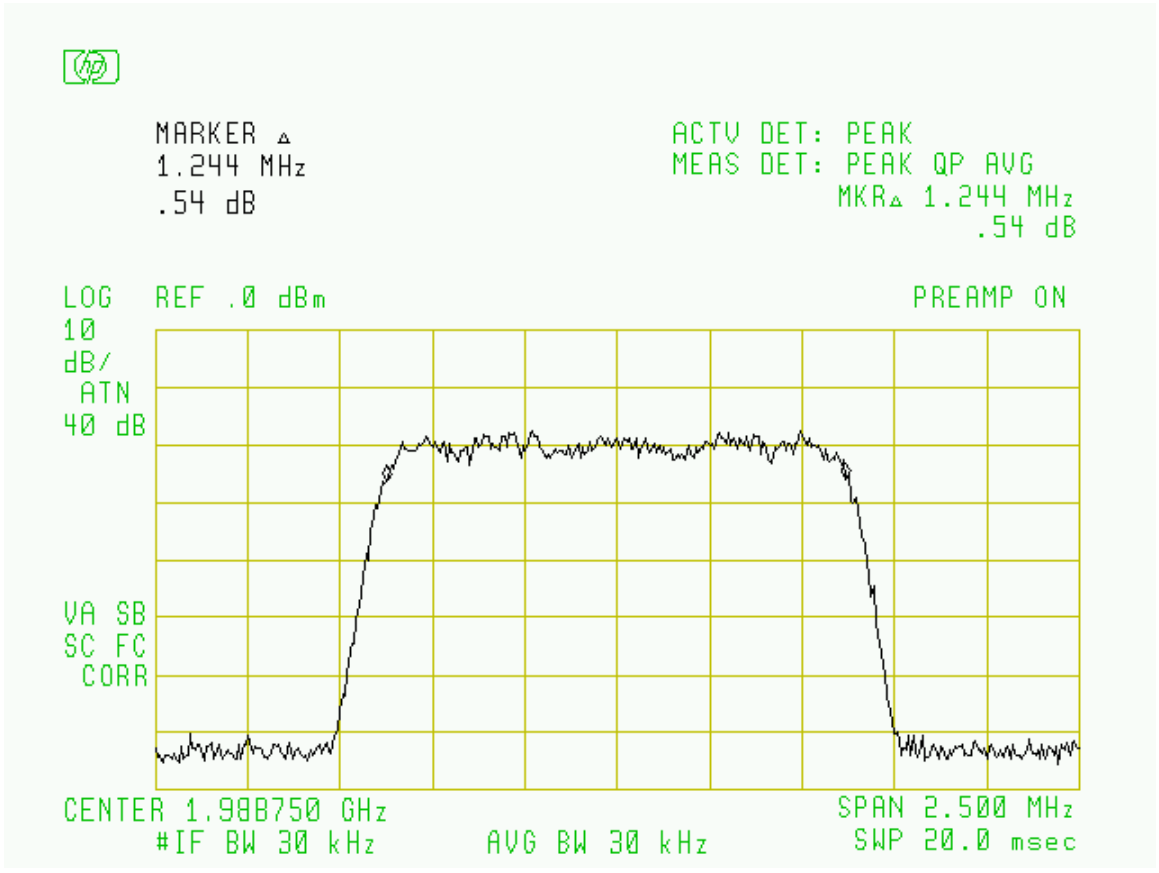
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, CDMA2000 Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



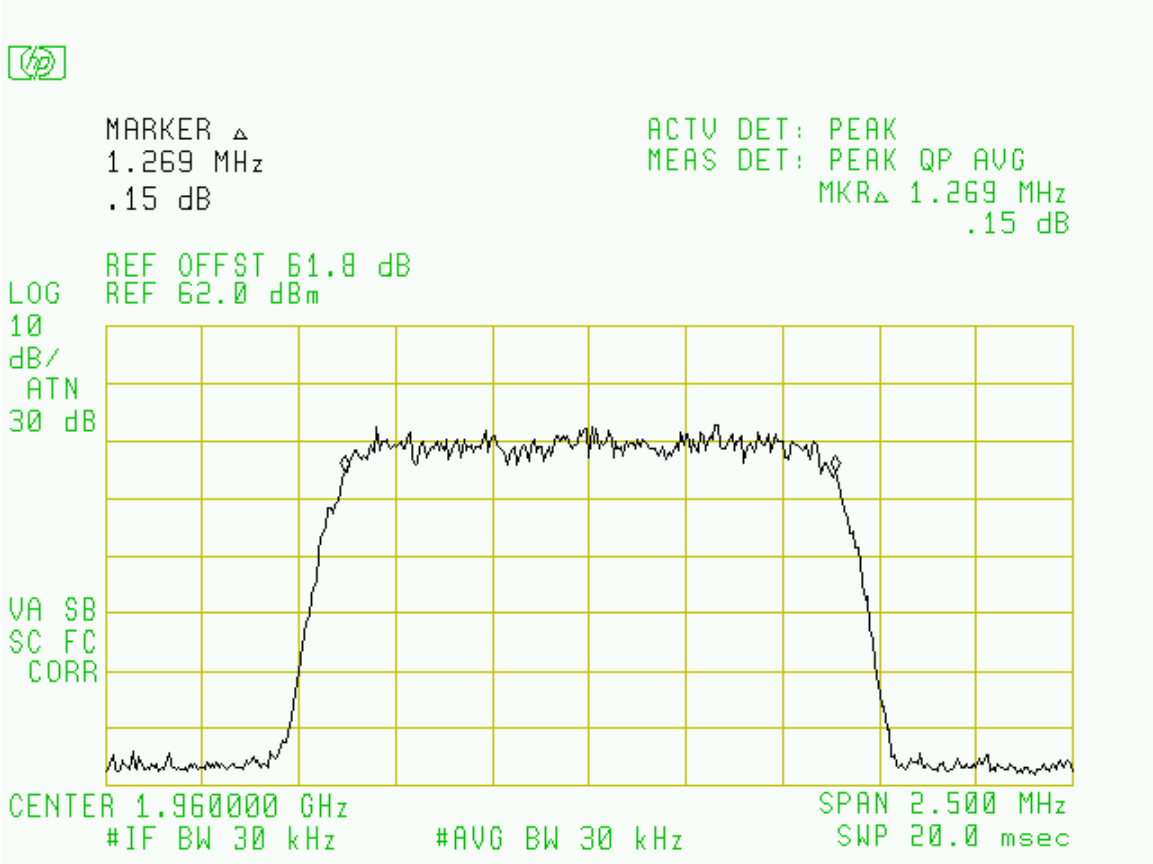
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, CDMA2000 Modulation**
Configuration:	Input: SG



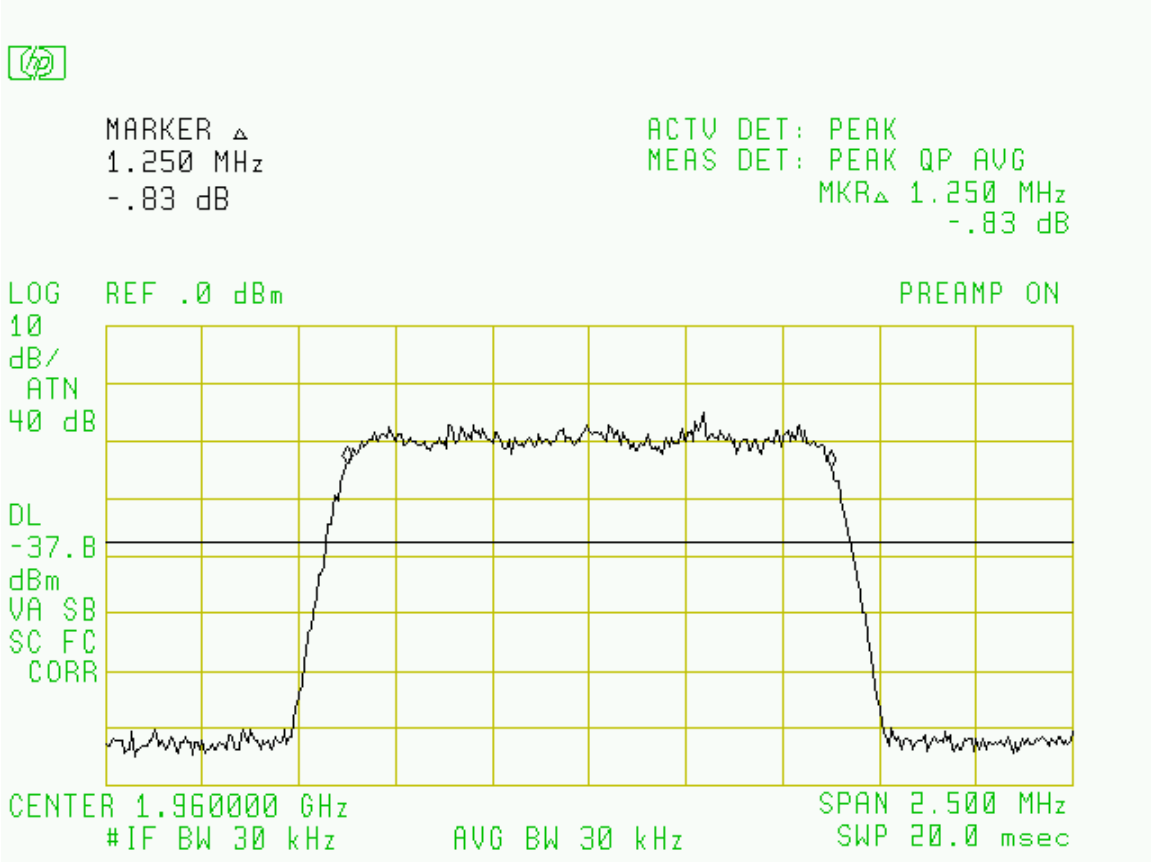
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, CDMA2000 Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



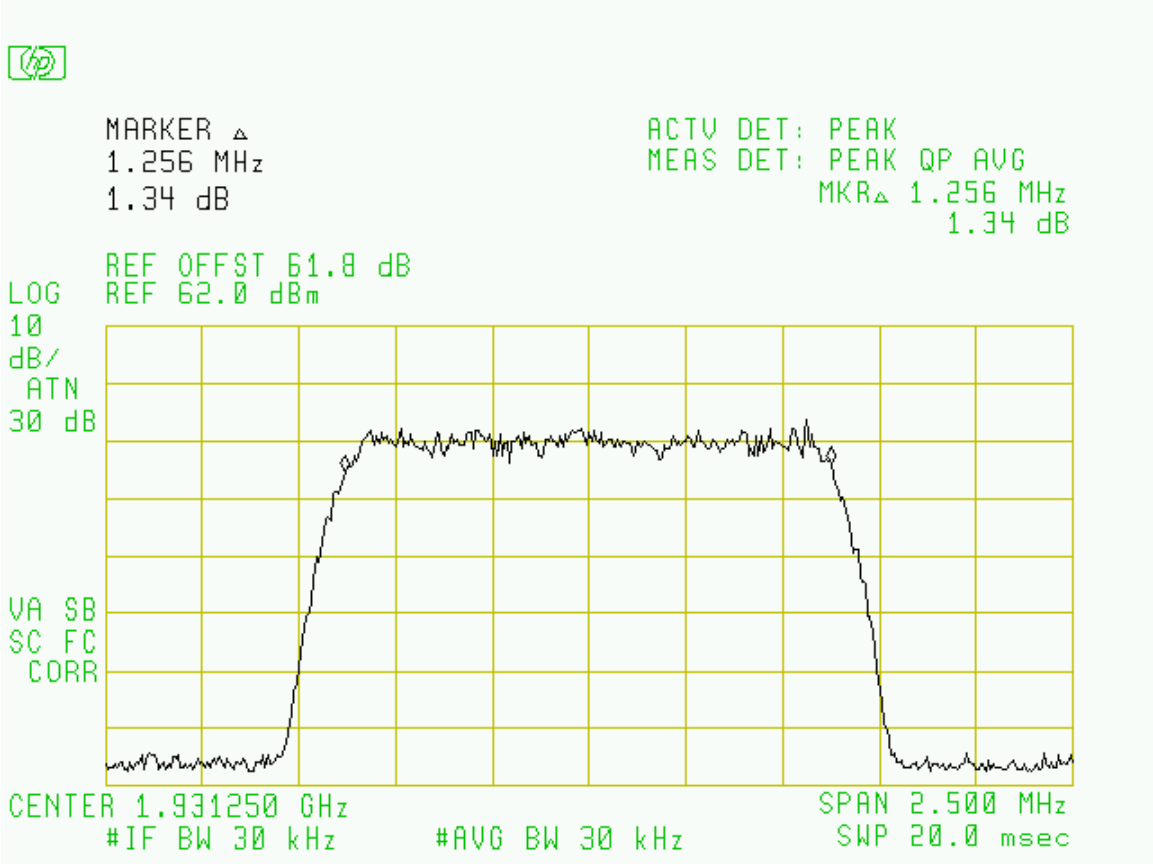
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, CDMA2000 Modulation**
Configuration:	Input: SG



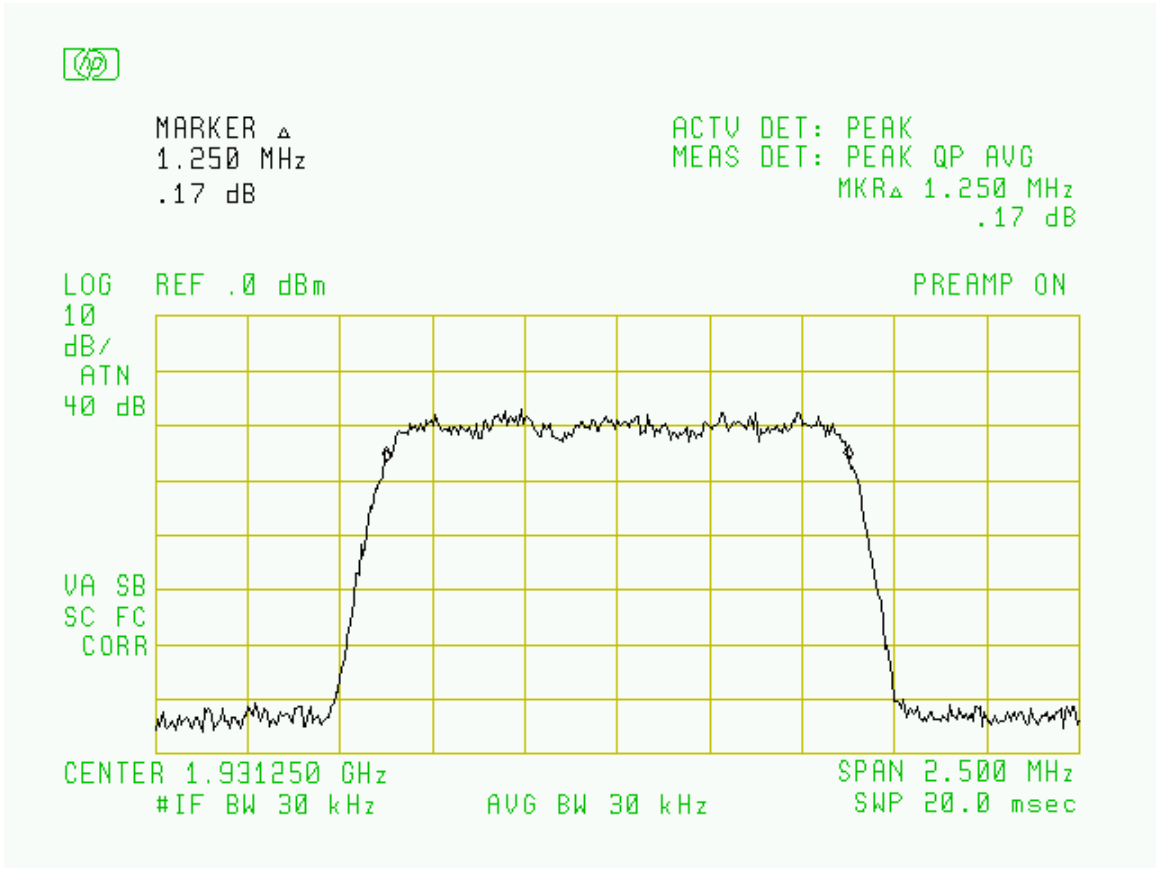
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel,CDMA2000 Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



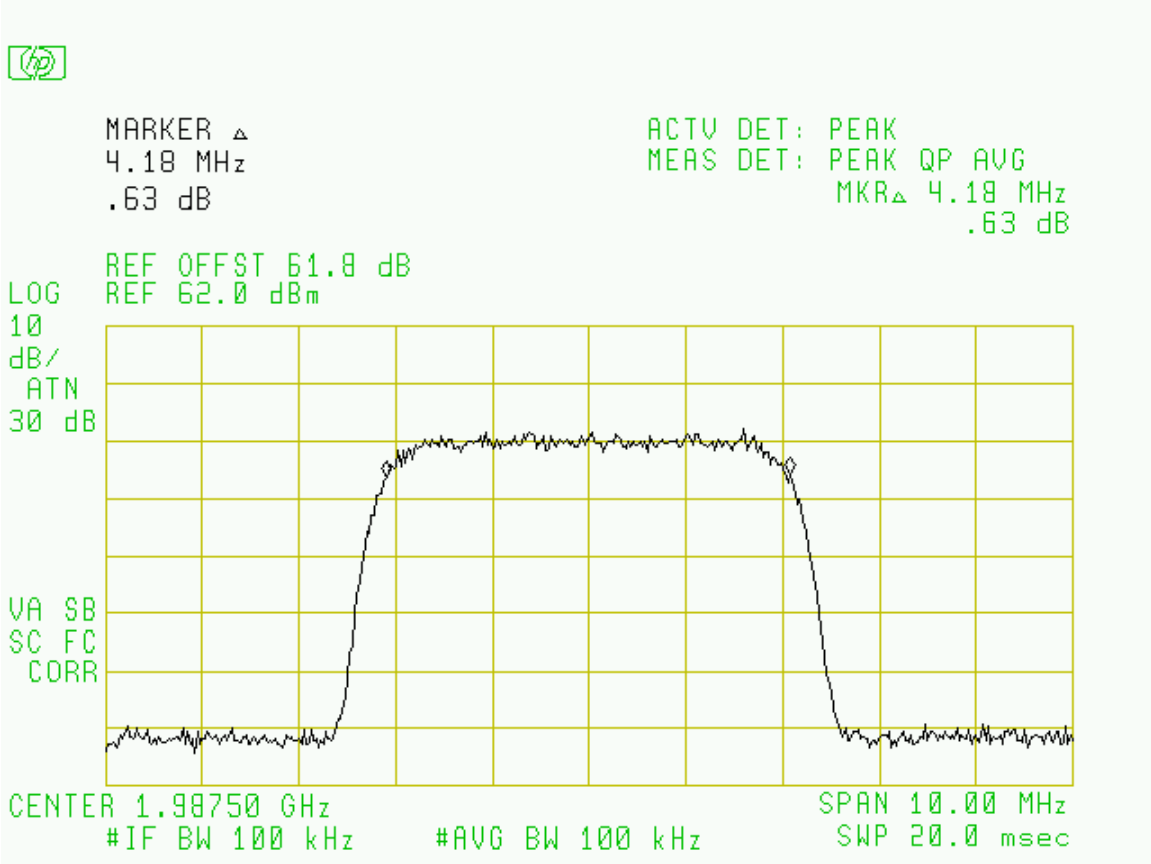
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, CDMA Modulation**
Configuration:	Input: SG



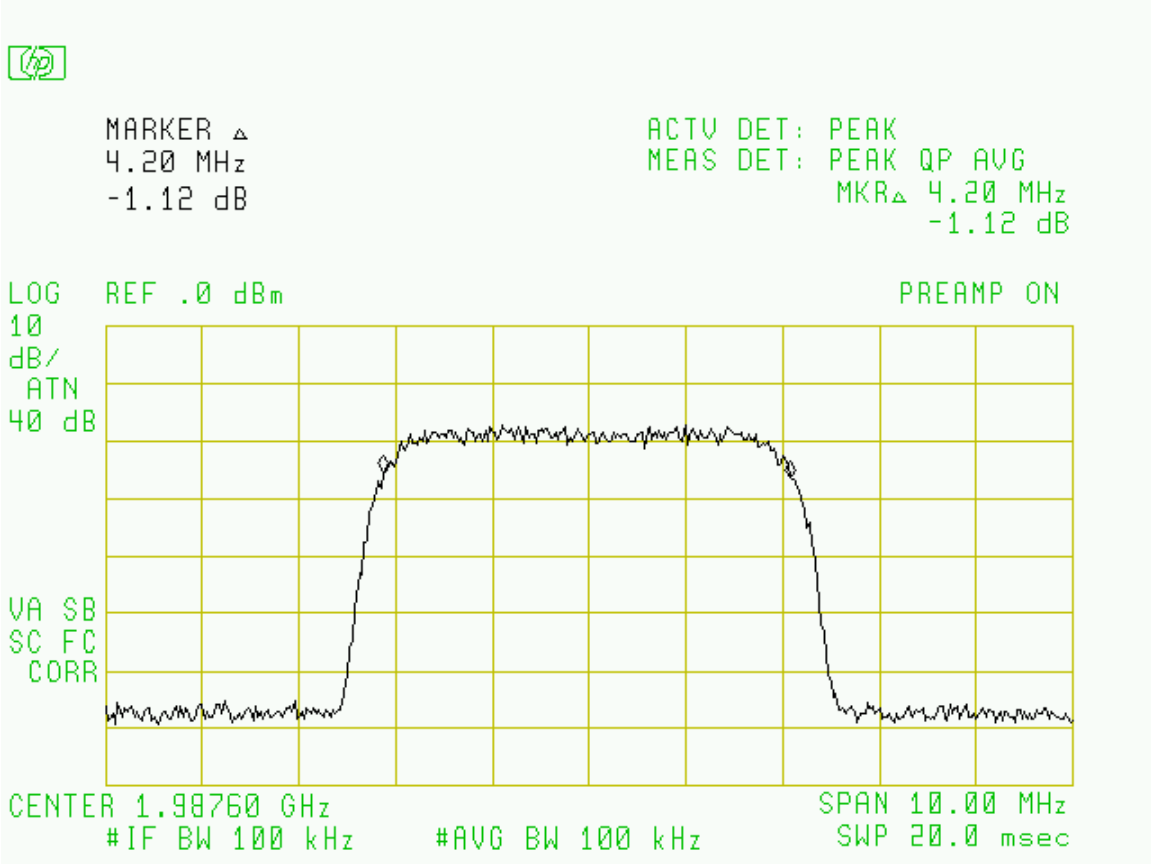
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, WCDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



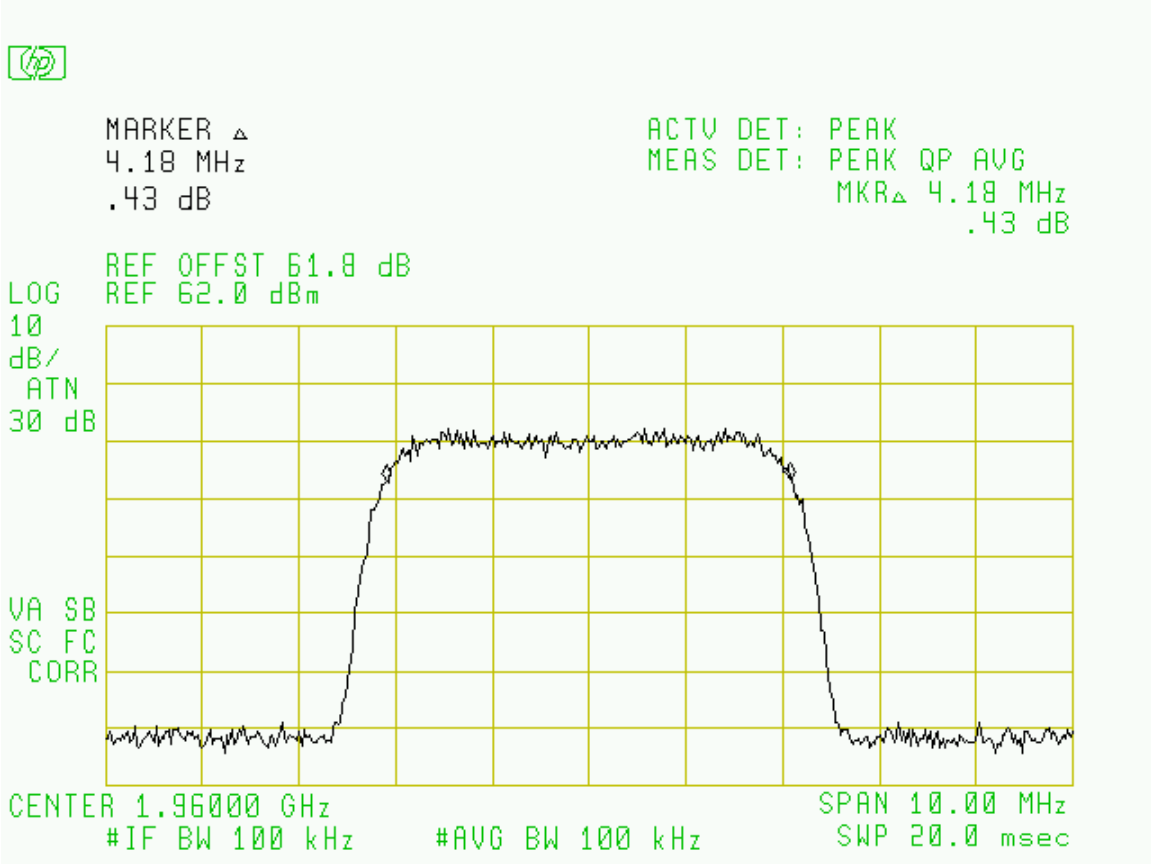
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, WCDMA Modulation**
Configuration:	Input: SG



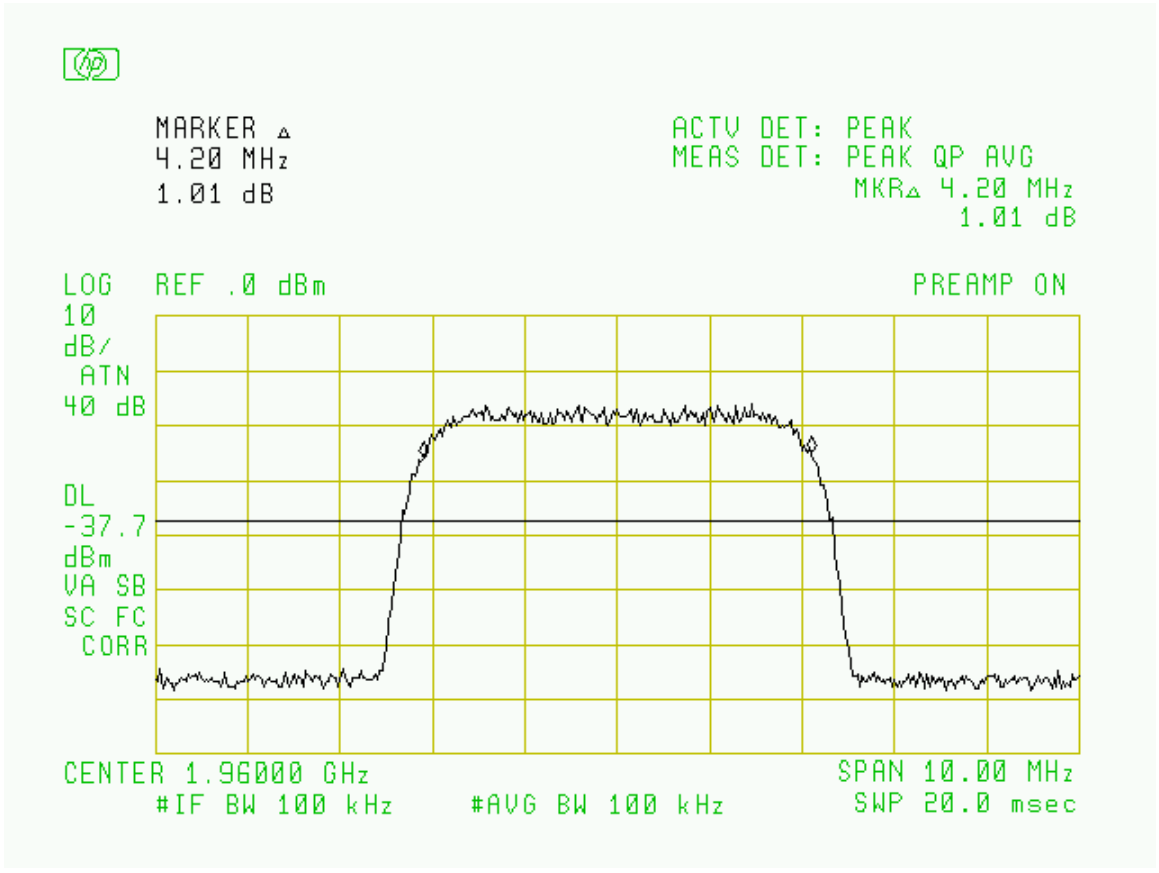
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, WCDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



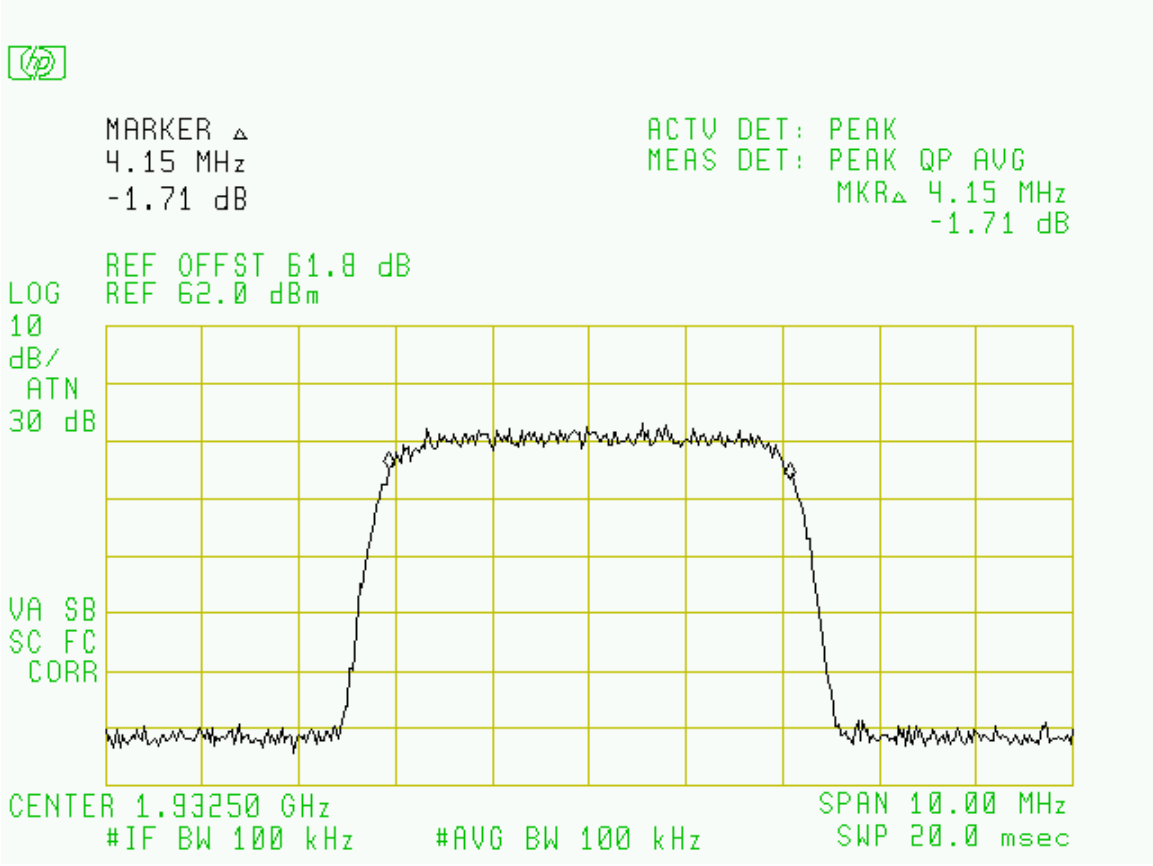
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, WCDMA Modulation**
Configuration:	Input: SG



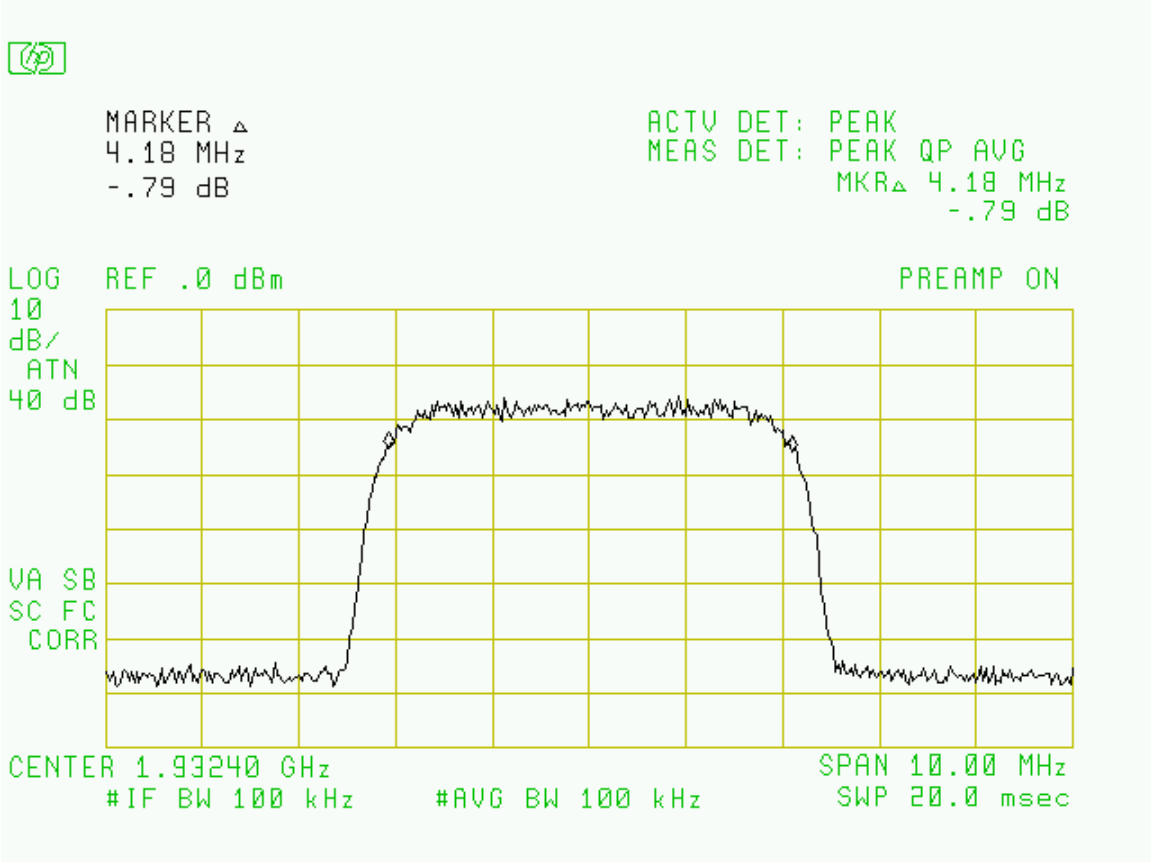
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, WCDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



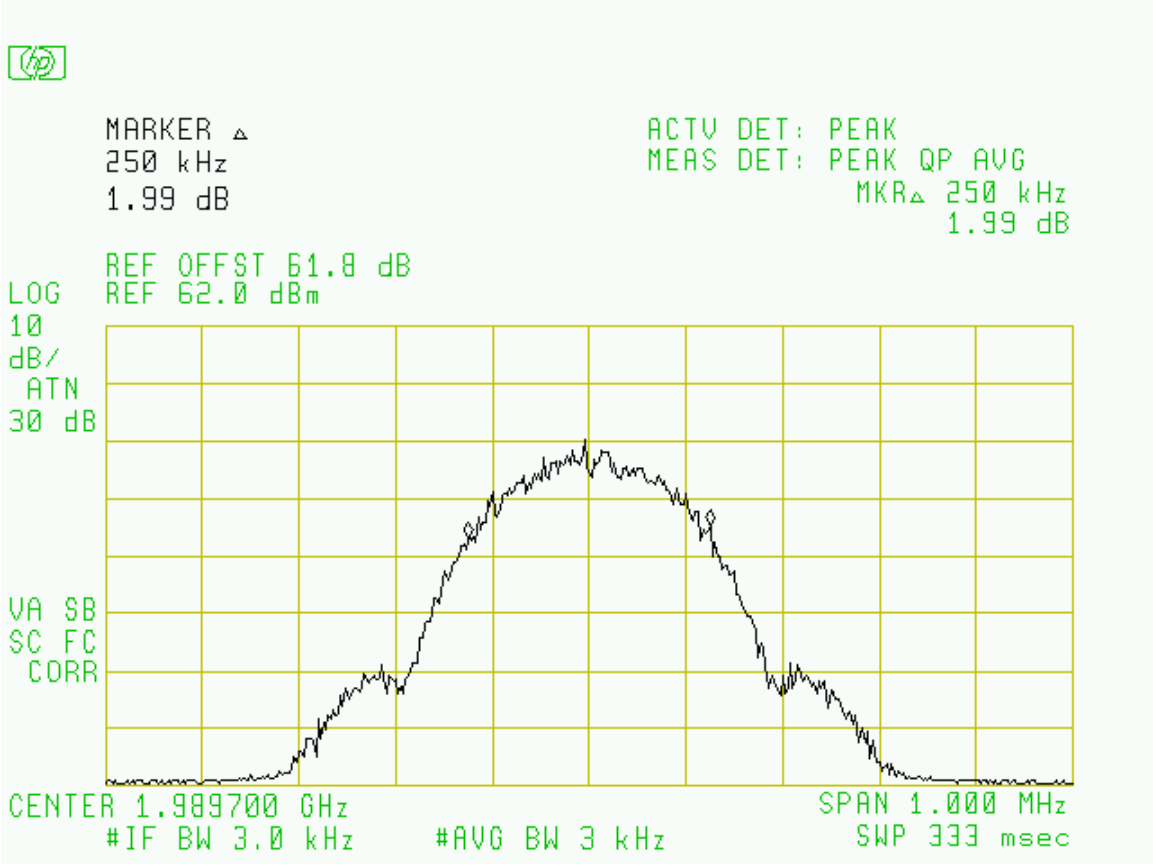
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, WCDMA Modulation**
Configuration:	Input: SG



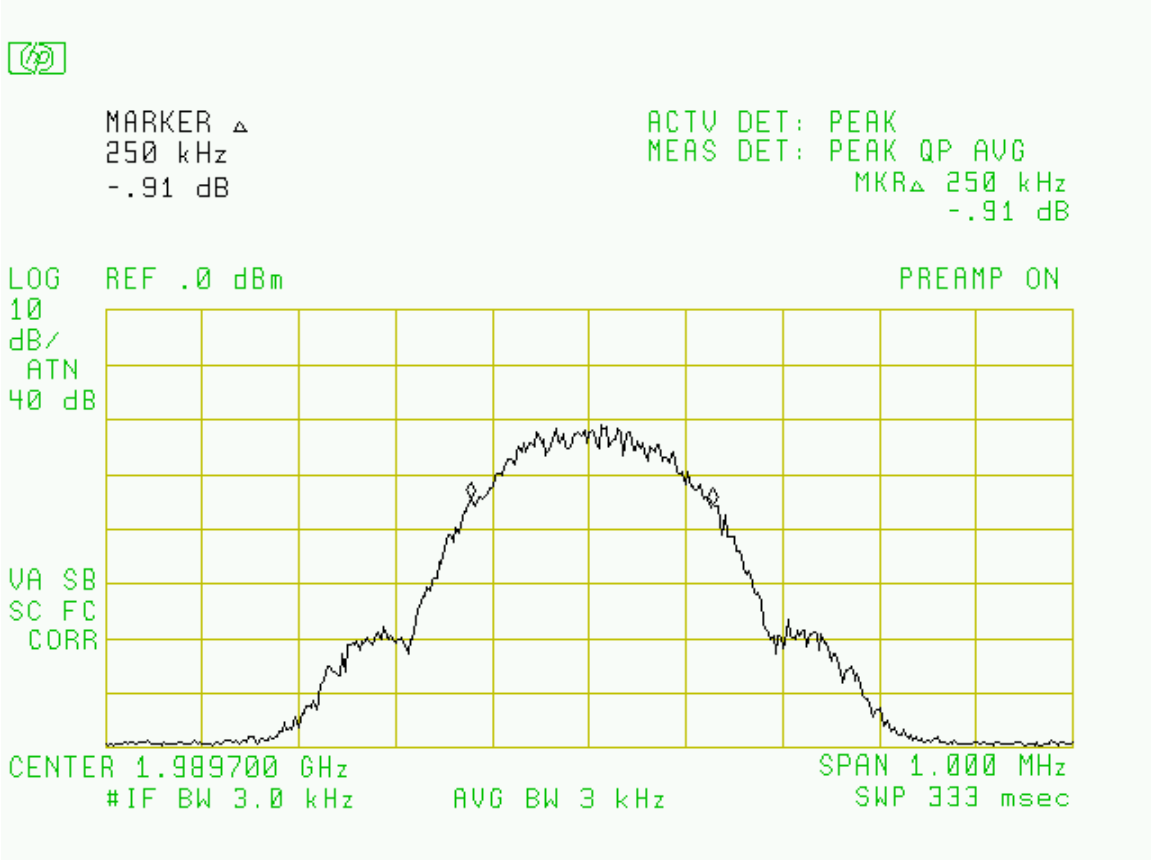
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, GSM Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



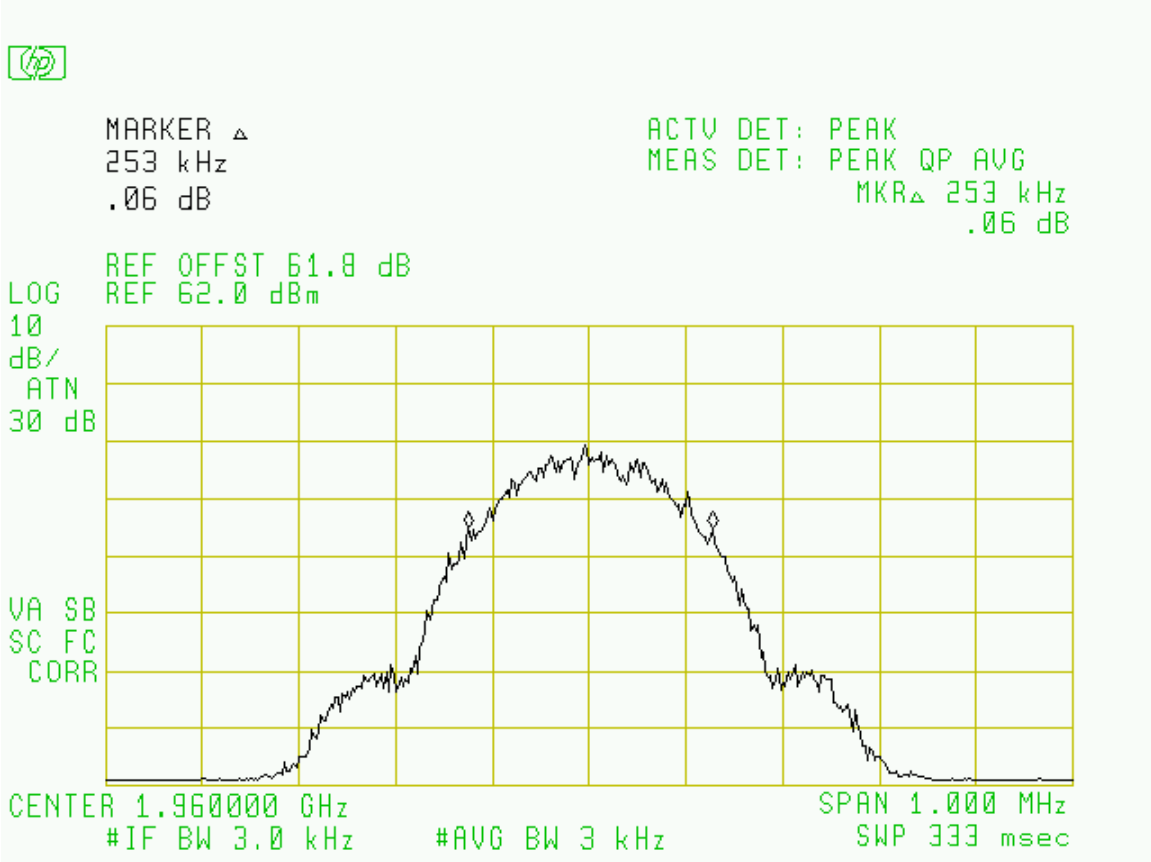
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70˚F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, GSM Modulation**
Configuration:	Input: SG



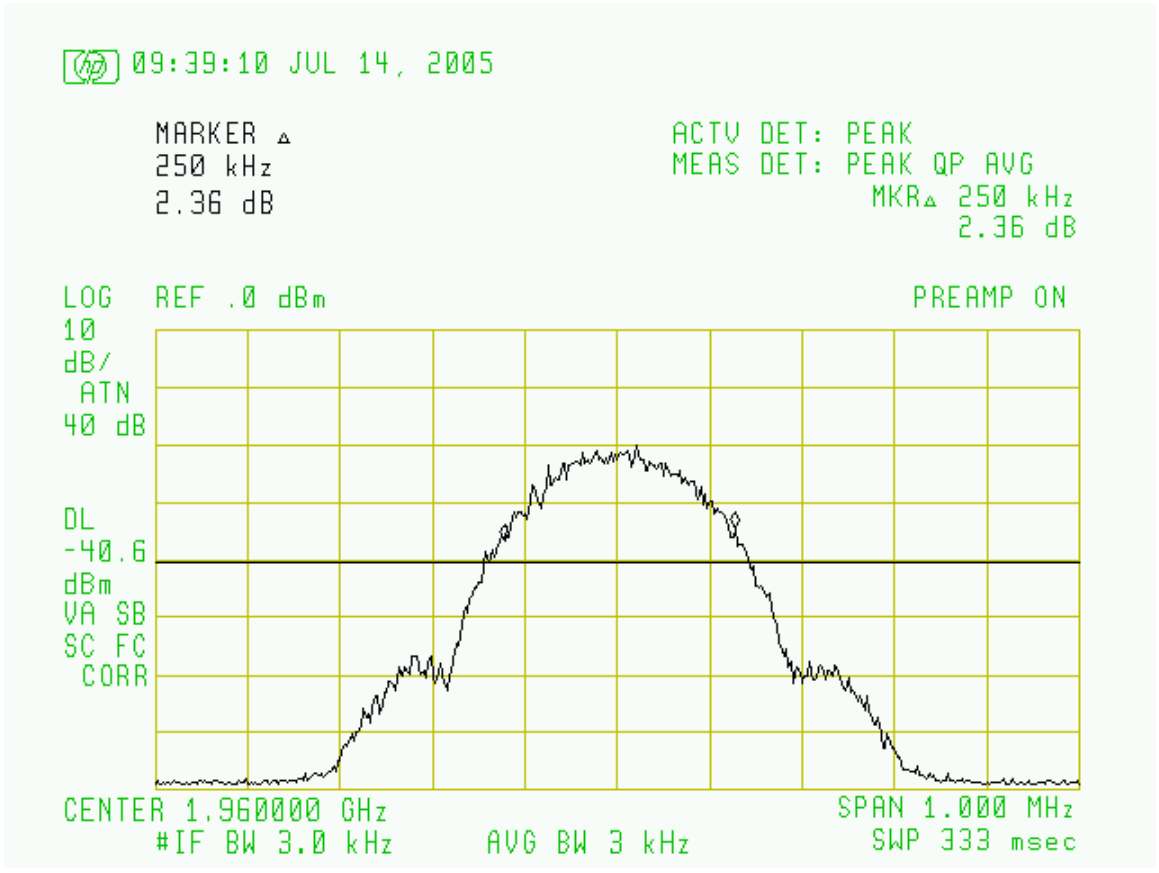
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, GSM Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



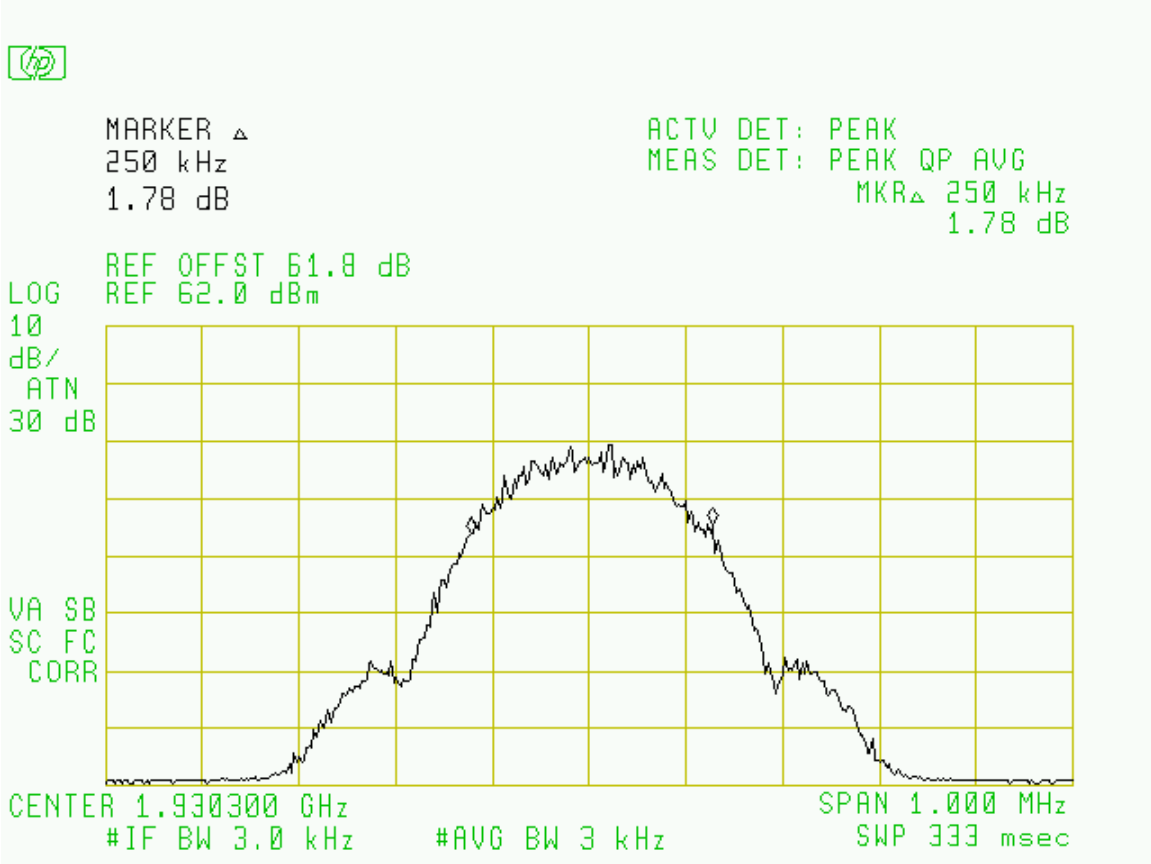
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, GSM Modulation**
Configuration:	Input: SG



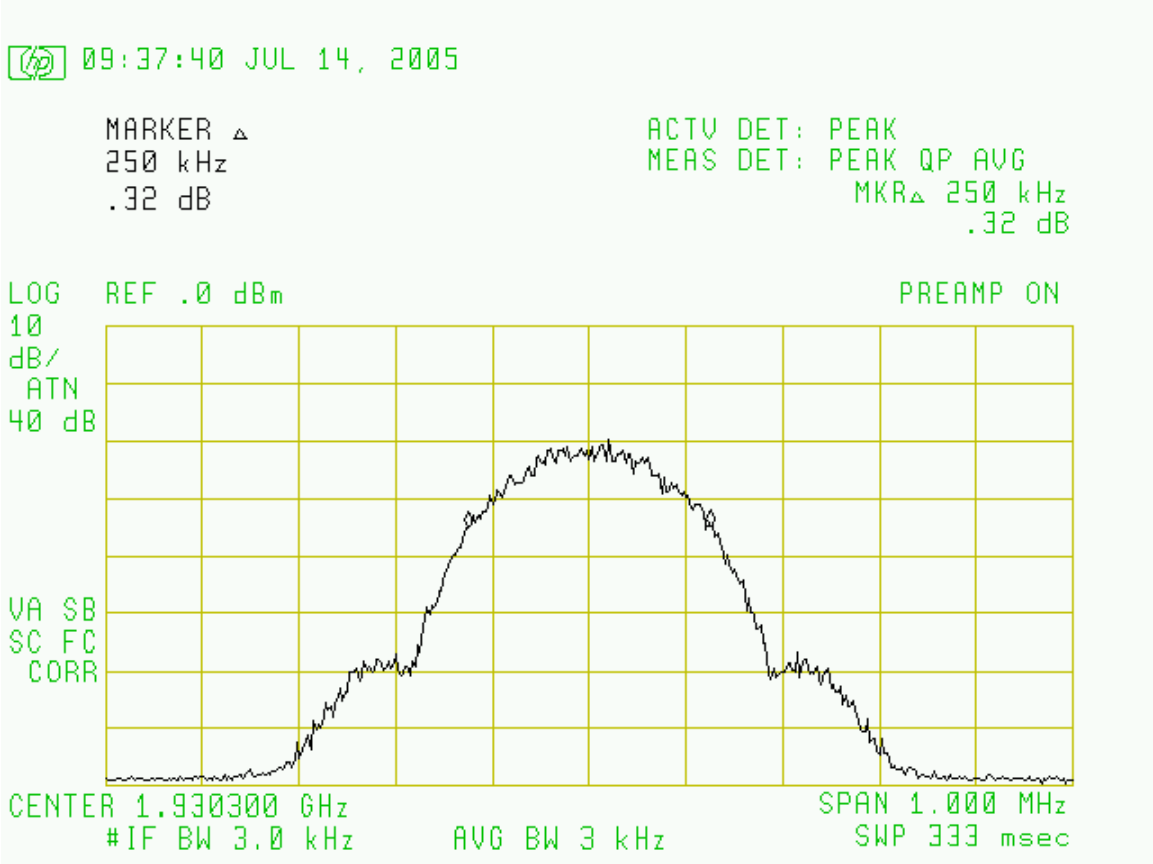
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, GSM Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



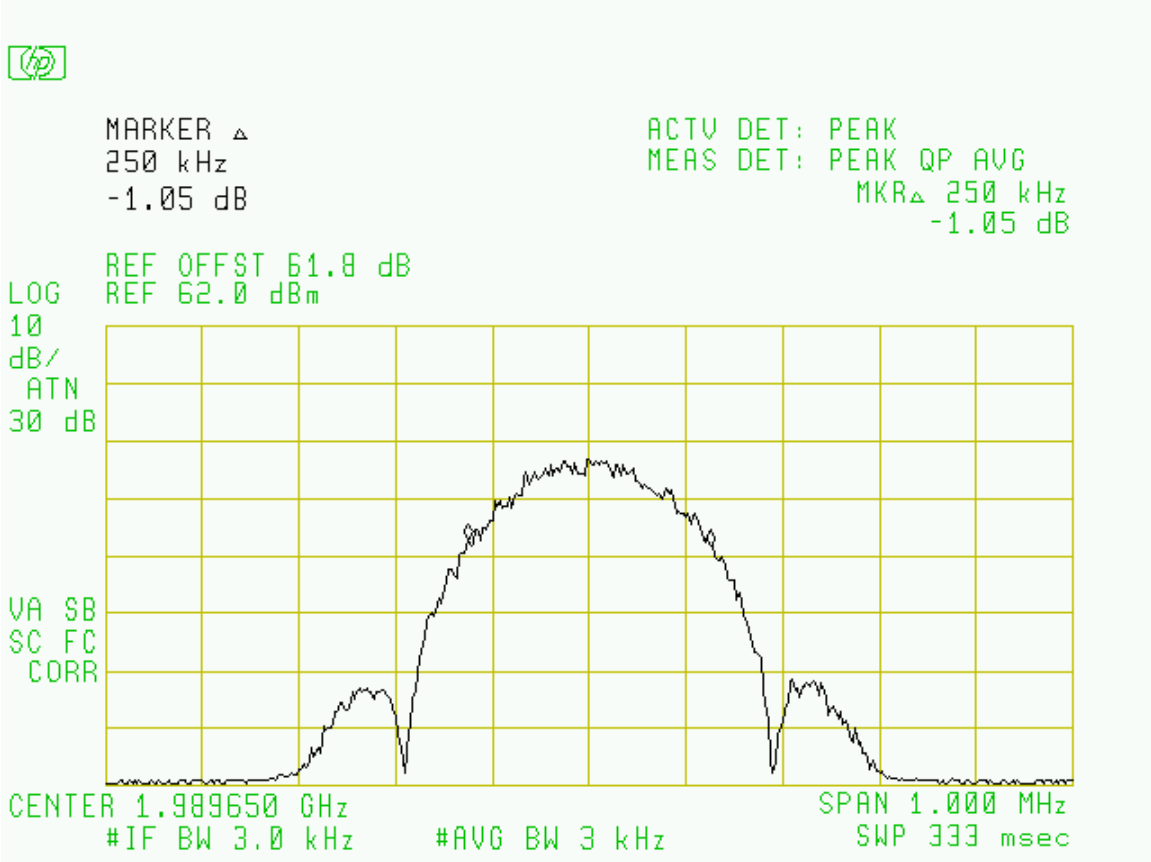
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, GSM Modulation**
Configuration:	Input: SG



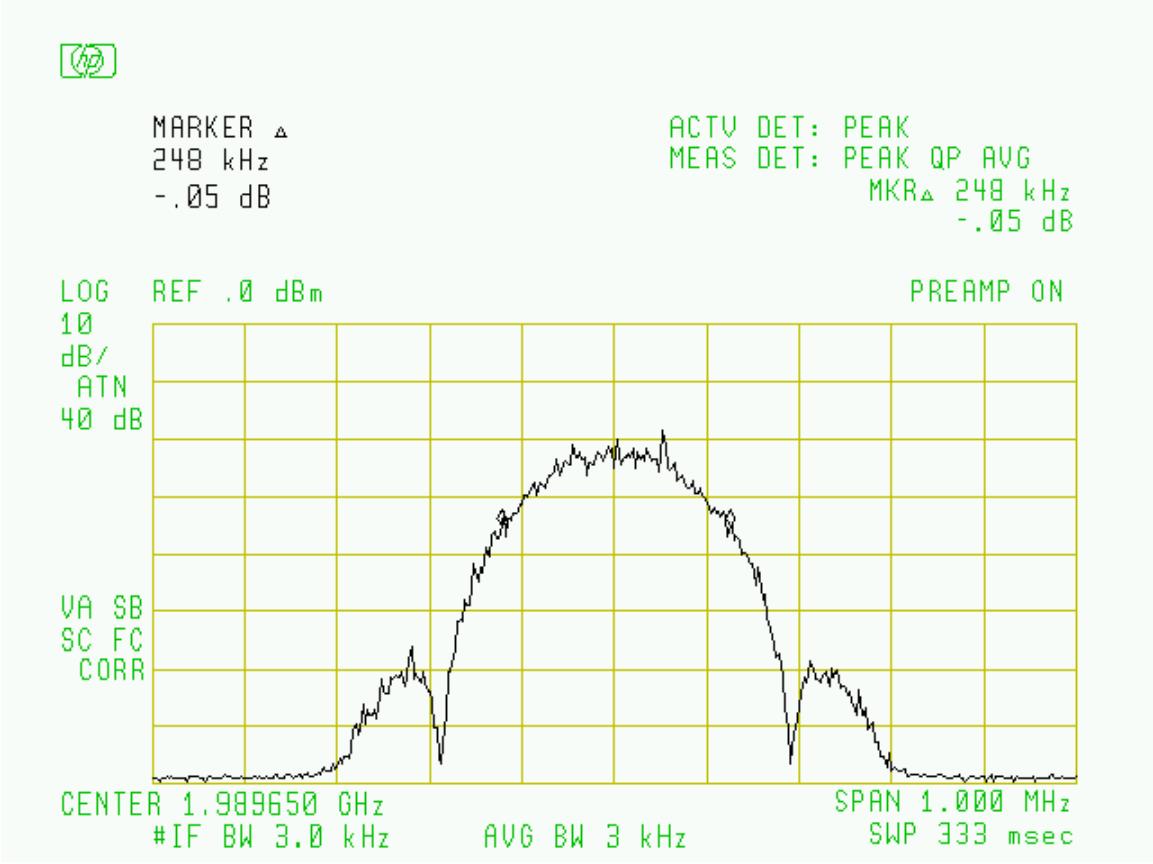
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, EDGE Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



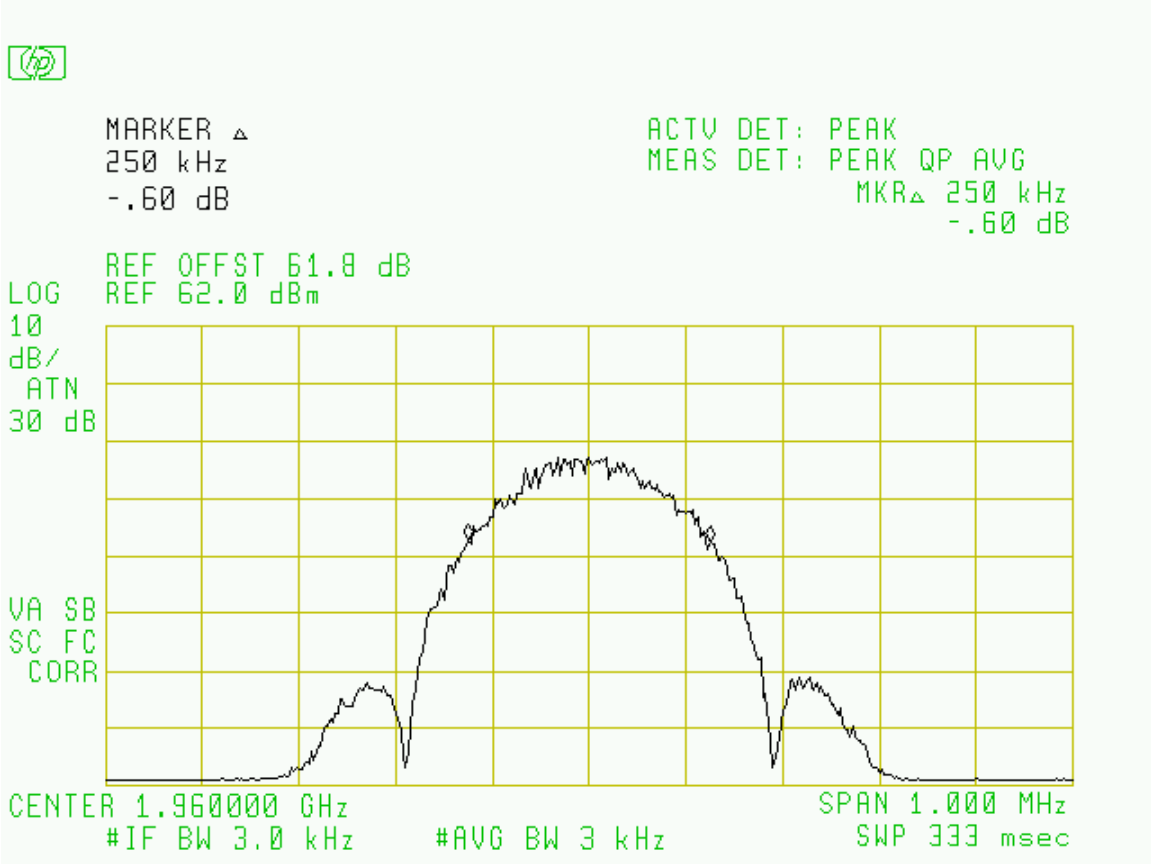
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, EDGE Modulation**
Configuration:	Input: SG



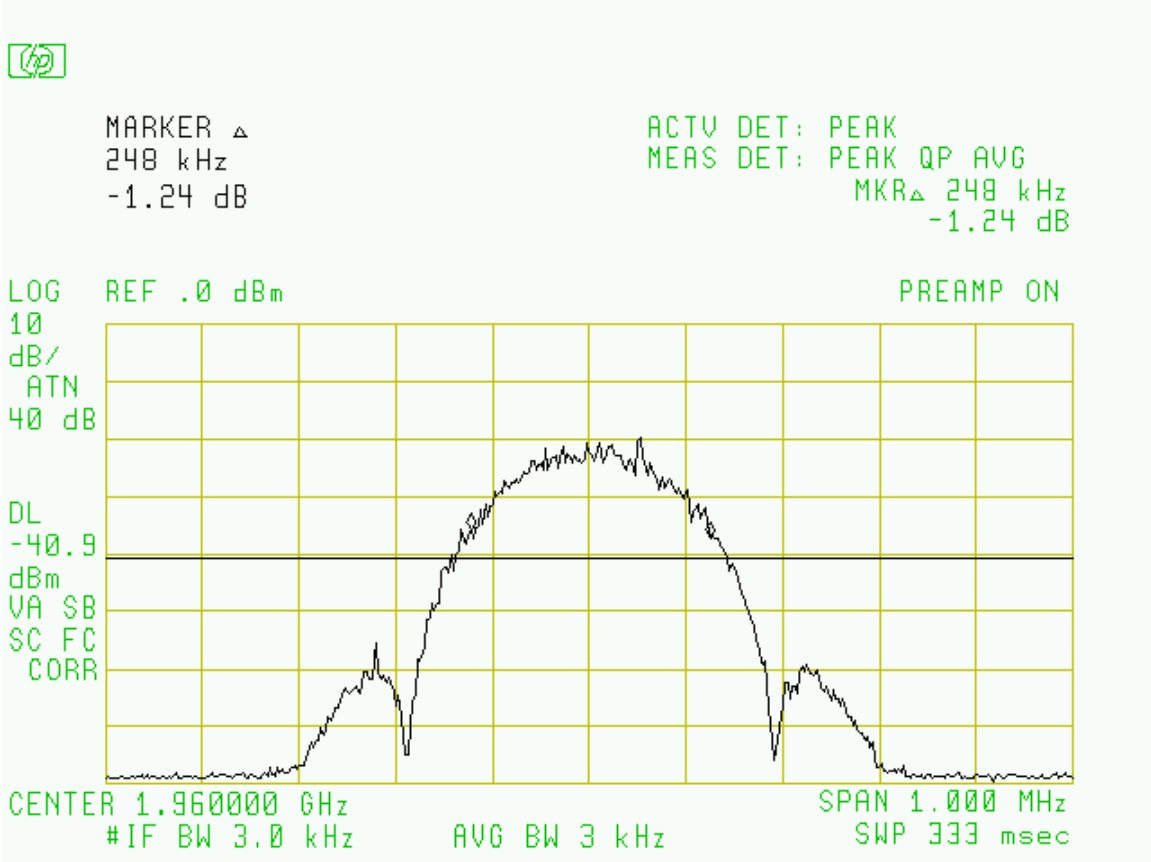
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, EDGE Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



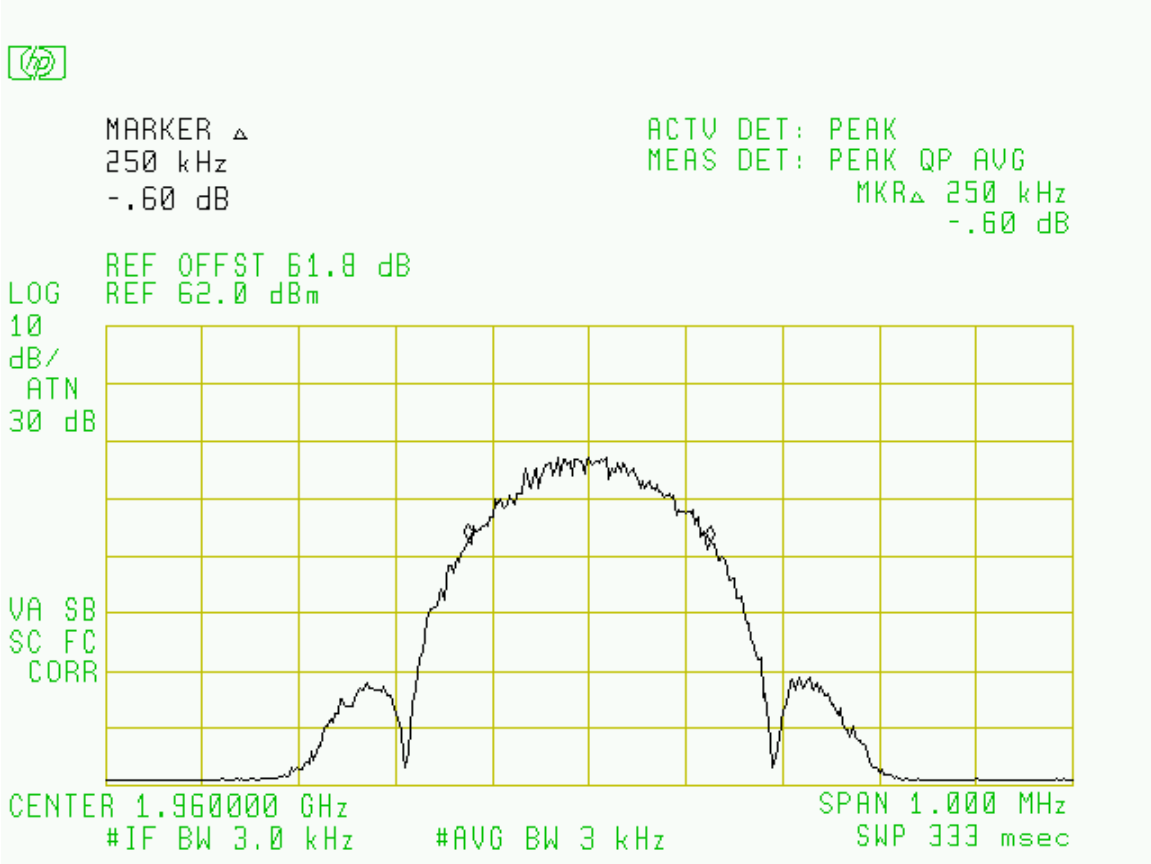
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70˚F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, EDGE Modulation**
Configuration:	Input: SG



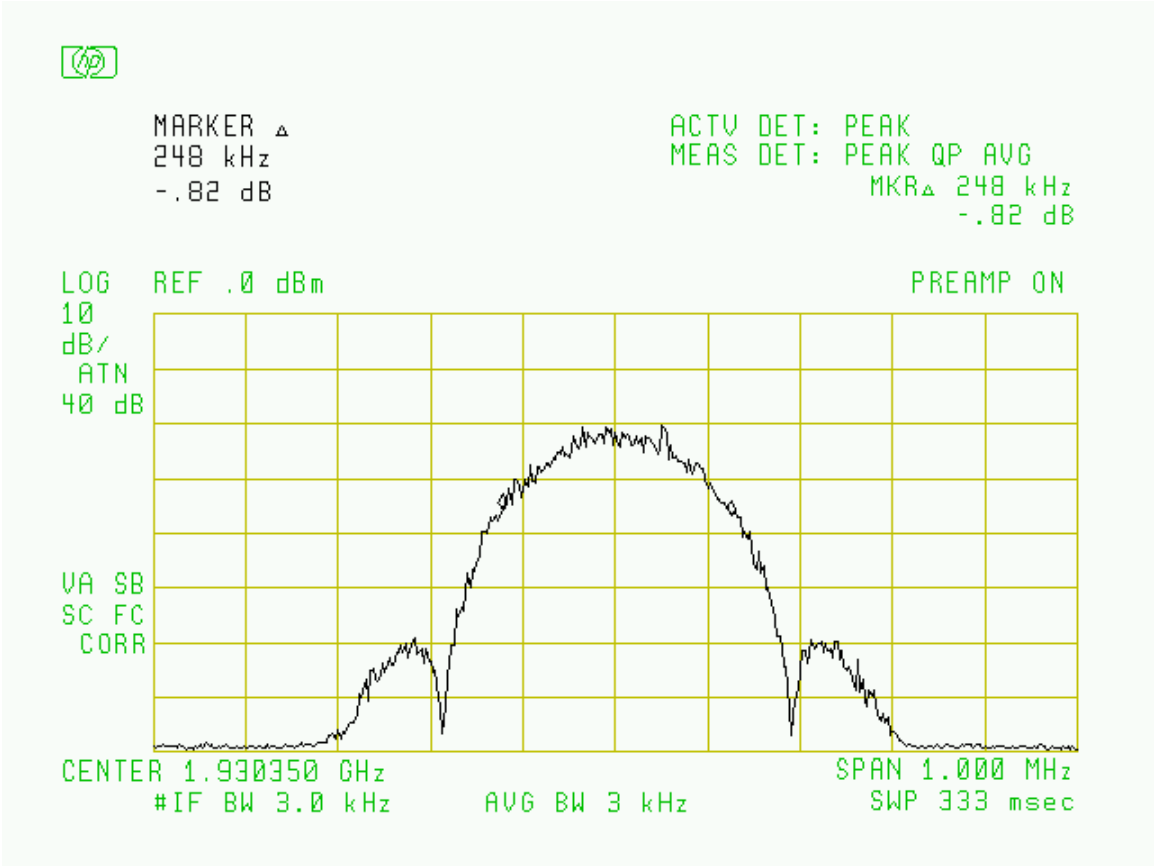
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, EDGE Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



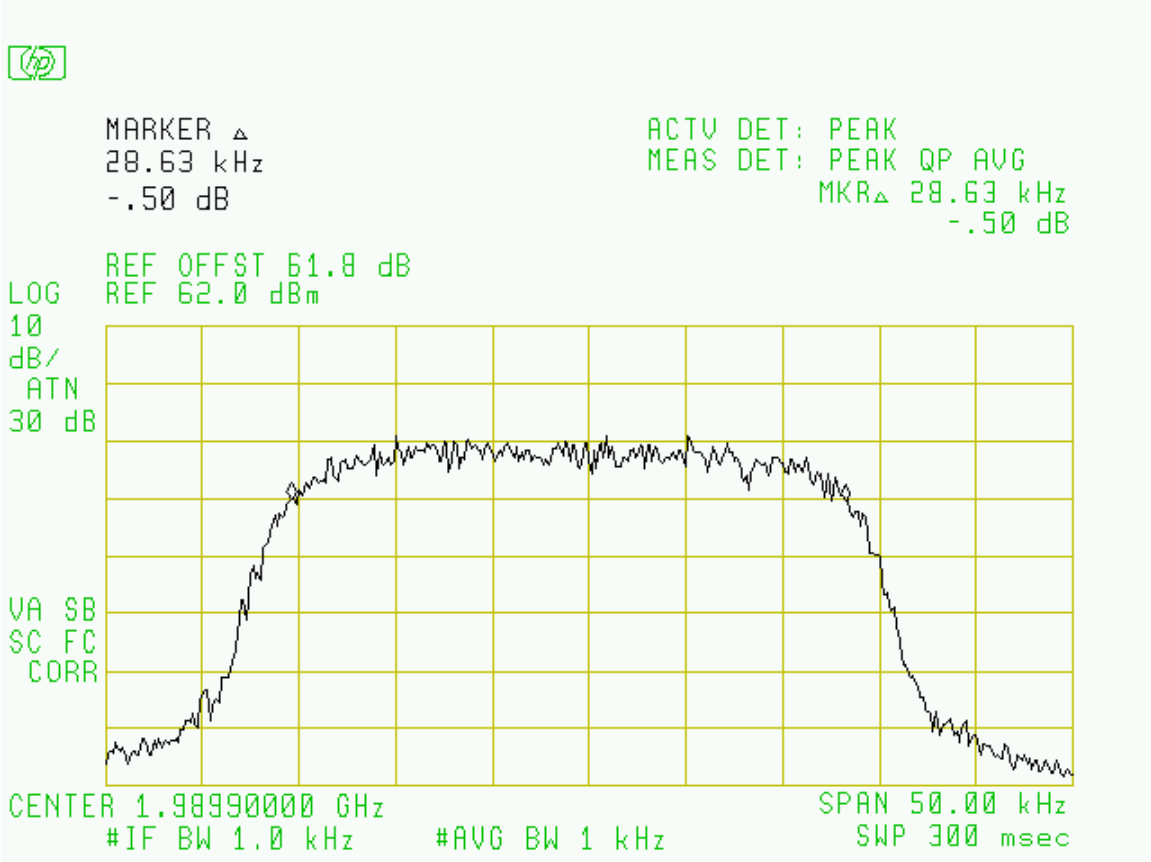
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, EDGE Modulation**
Configuration:	Input: SG



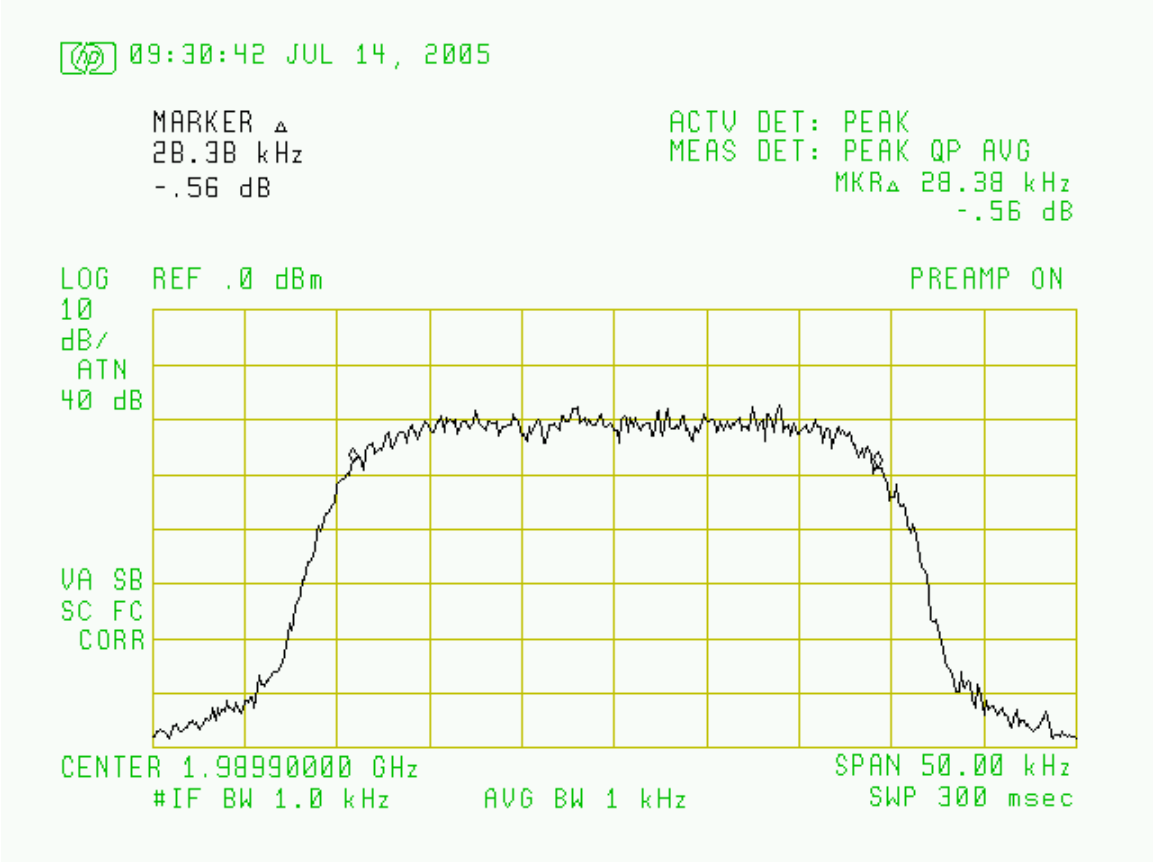
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, TDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



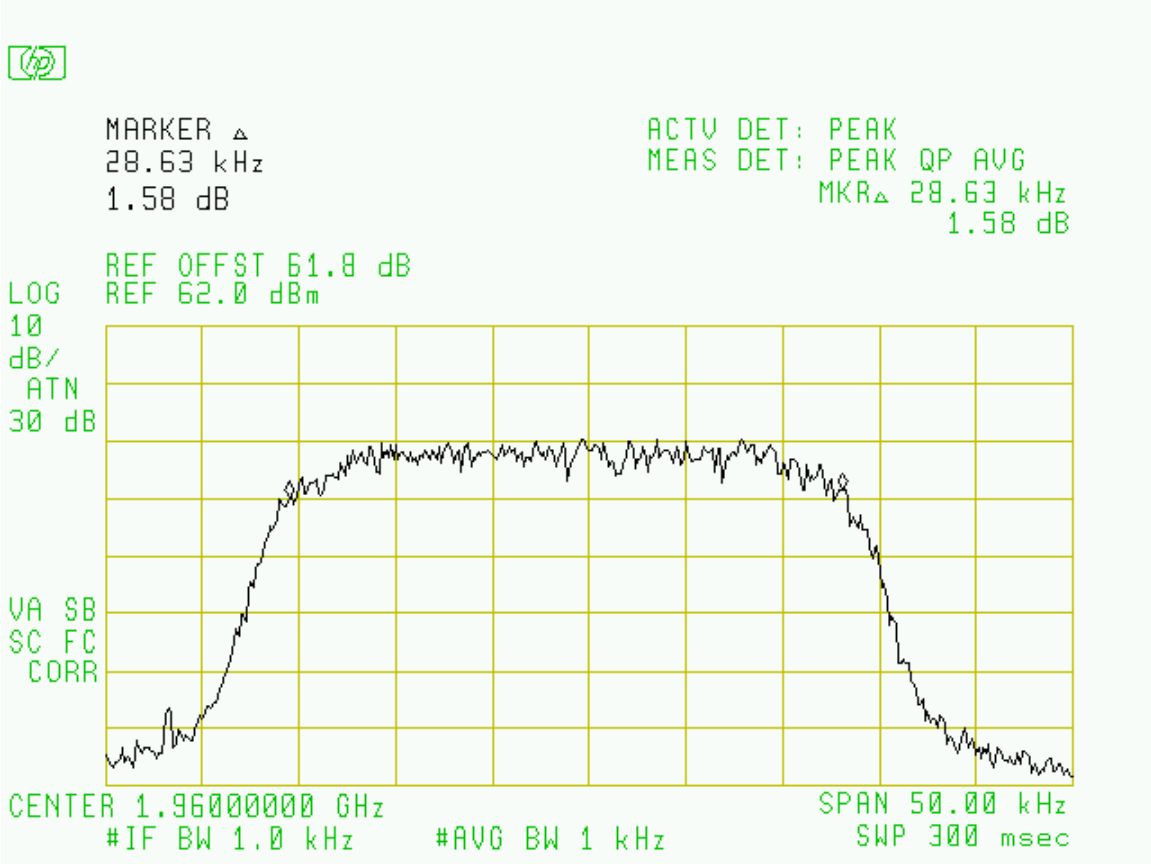
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Hi-Channel, TDMA Modulation**
Configuration:	Input: SG



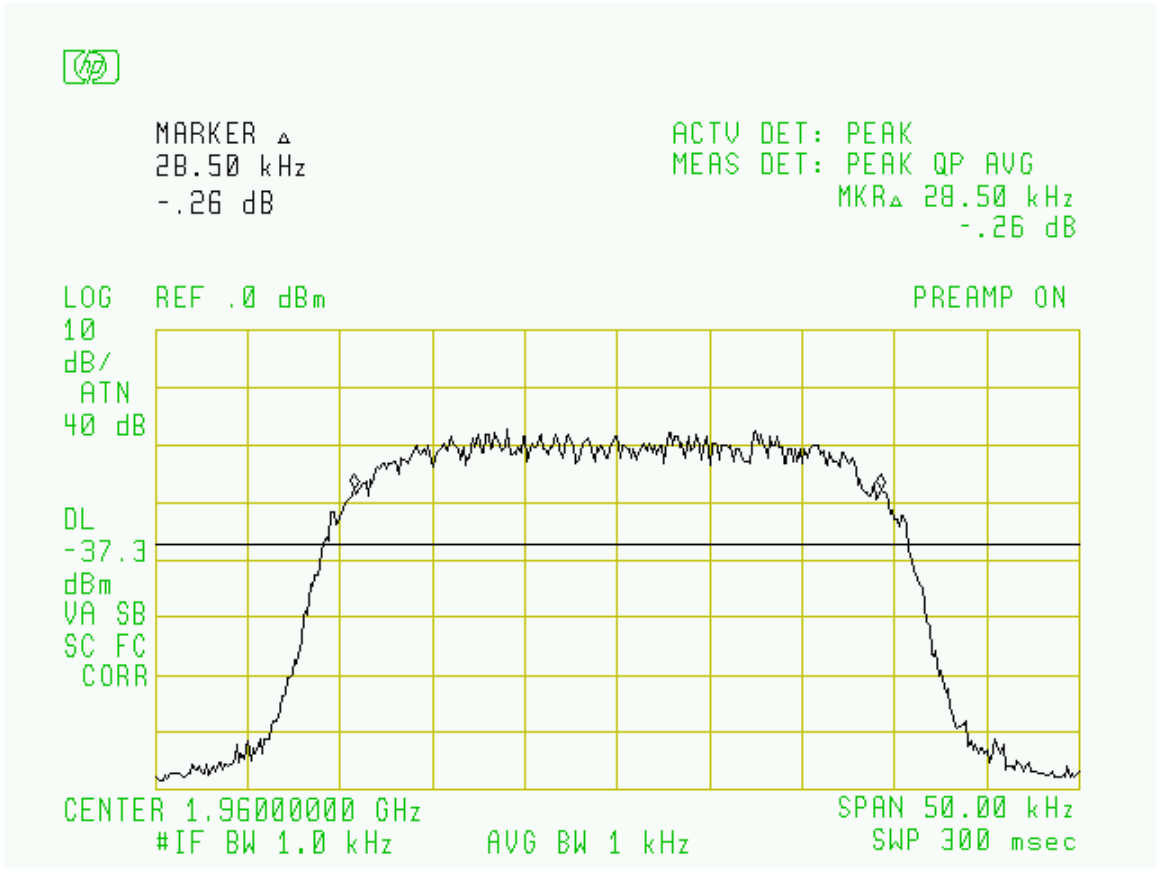
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, TDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



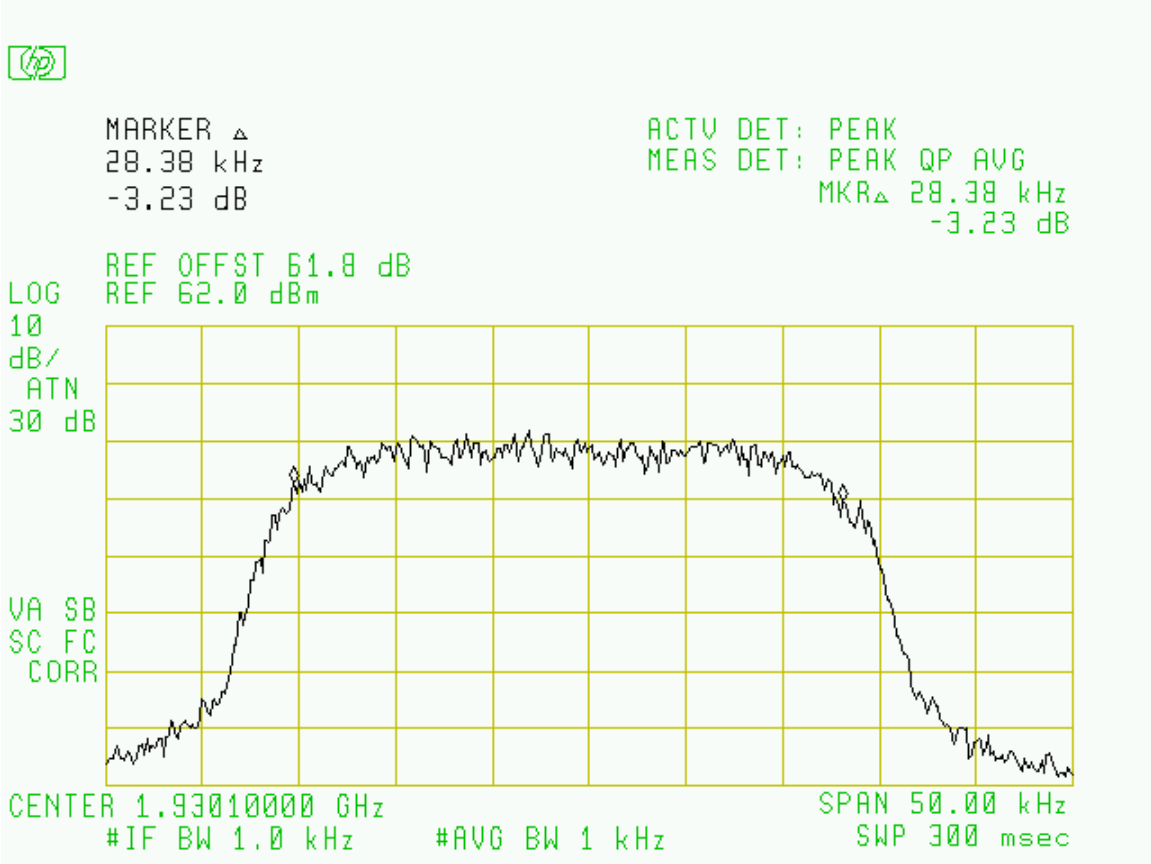
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70˚F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Mid-Channel, TDMA Modulation**
Configuration:	Input: SG



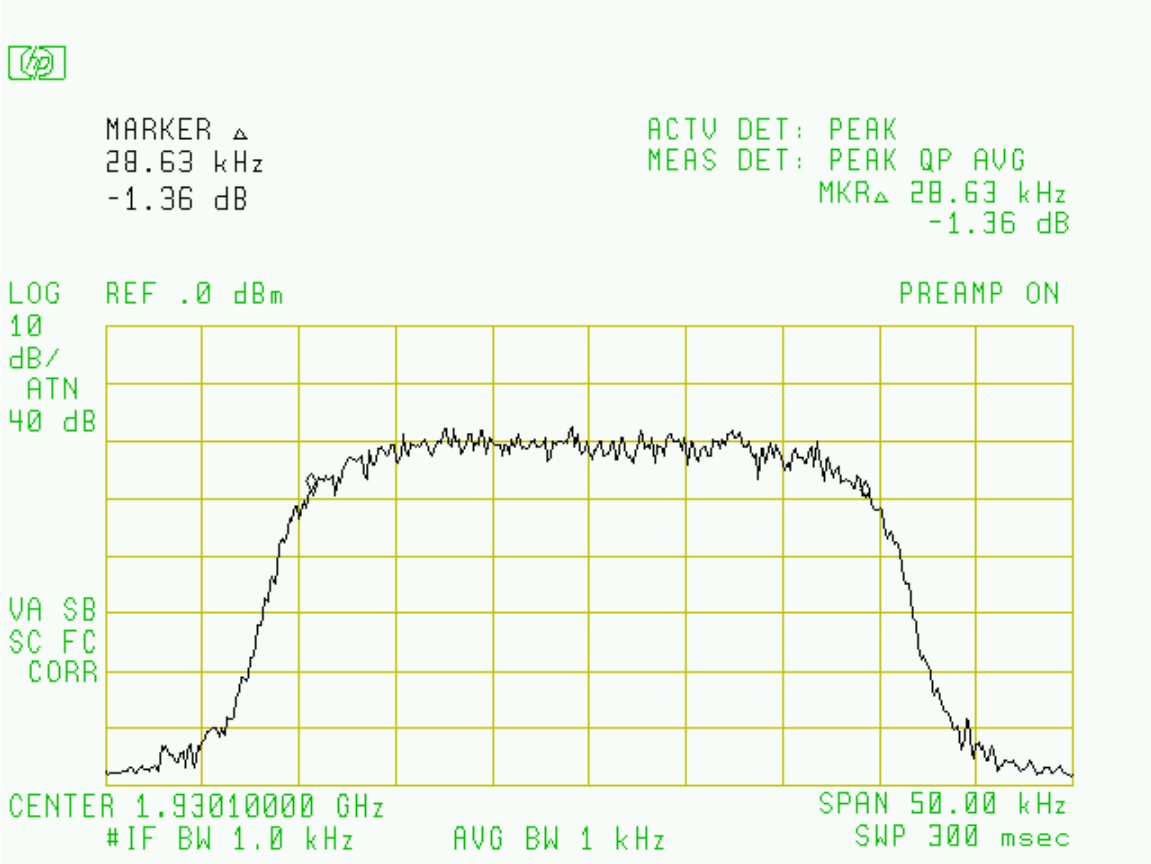
Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel ,TDMA Modulation**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	Andrew OneBase Cell Extender OBE-DB-X
PARTS NO.:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Occupied Bandwidth: PCS Bands**
Plot Name:	**Downlink, Low-Channel, TDMA Modulation**
Configuration:	Input: SG



Section 5. Spurious Emissions at Antenna Terminals

Name of Test:	*Spurious Emissions at Antenna Terminals*	Test Standard:	*22.917 24.238(a)*
Tested By:	WEI LI EDWARD LEE	Test Date:	10/09/2006-12/20/2006

Minimum Standard: Para. No. 22.917(e). The mean power of emissions must be attenuated below the mean power of the unmodulated carrier on any frequency twice or more than twice the fundamental emission by at least 43 + 10 log P. This is equivalent to -13 dBm absolute power.
Para. No. 24.238(a). The magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under conditions specified in the instruction manual and/or alignment procedure, shall not less than 43+10 log (mean output power in watts) dBc below the mean power output outside a licensee's frequency block (-13dBm).

Method of Measurement: Spectrum Analyzer Settings:
RBW: 100 kHz. As required for digital modulations.
RBW: 1MHz. When frequency is located above 1GHz.
VBW: >=RBW
Start Frequency: 9KHz or Lowest Clock Frequency
Stop Frequency: 10 GHz (Cellular), 20GHz (PCS)
Sweep: Auto
Using in-band filter if needed.
For Inter-modulation measurement: Two RF signals set as inputs. The frequencies of RF signals shall be within the repeater's operating band: two signals will close to each other at the lower band edge, the middle of the band and the upper band edge. The level of both RF input signals shall be increased, until the maximum rated output power per channel, as declared by the manufacturer (CDMA/WCDMA:40W &GSM/EDGE/TDMA:25W), is reached.

Plots for 4PA configuration are given as following as worst case. Out of band plots show nearly identical noise floor readings for the frequency ranges below 20MHz and above 6.5GHz.

Test Result: **Complies**

Test Data: Attached Plots

4 PA Configurations:

For Cellular Band:

Plots Name	Modulations	Channels	No. of Plots
Spurs in 4 frequency ranges: <20MHz, 20MHz-1GHz, 1GHz-6.5GHz,>6.5GHz	5 (CDMA/WCDMA/ GSM/EDGE/TDMA)	3: Low, Middle, High	60
Inter-modulations	5	3: L,M, H (2 for WCDMA: L, H)	14
Band-Edge	5	2: L, H	10
Total			84

For PCS Band:

Plots Name	Modulations	Channels	No. of Plots
Spurs in 5 frequency ranges: <20MHz, 20MHz-1GHz, 1GHz-6.5GHz,>6.5GHz, >10GHz	5 (CDMA/WCDMA/ GSM/EDGE/TDMA)	3: Low, Middle, High	75
Inter-modulations	5	3: L,M, H	15
Band-Edge	5	2: L, H	10
Total			100

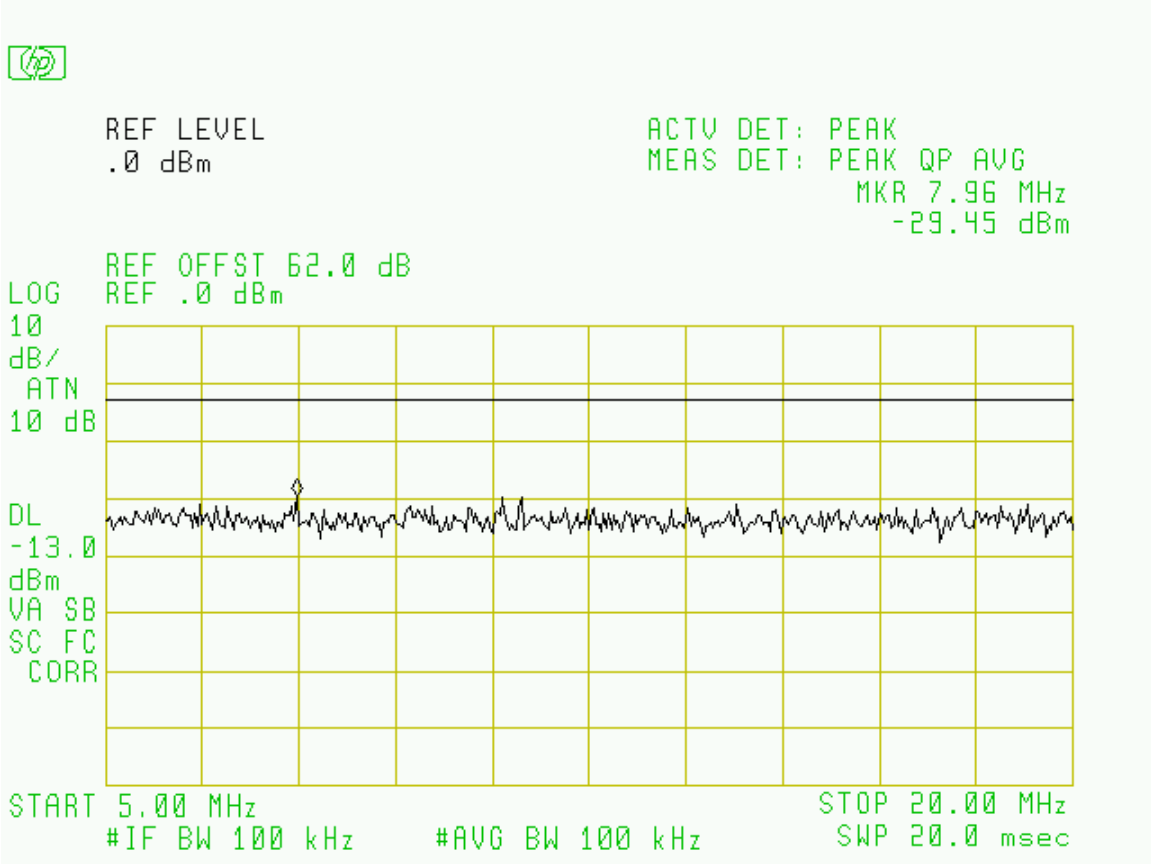
1PA Configurations:

(Selected Plots were shown)

Plots Name	Modulations	Channels	No. of Plots
Cellular Band: Spurs in 2 frequency ranges: 20MHz-1GHz, 1GHz-6.5GHz	5 (CDMA/WCDMA/ GSM/EDGE/TDMA)	Middle CH	10
PCS Band: Spurs in 2 frequency ranges: 20MHz-1GHz, 1GHz-6.5GHz	5 (CDMA/WCDMA/ GSM/EDGE/TDMA)	Middle CH	10
Total			20

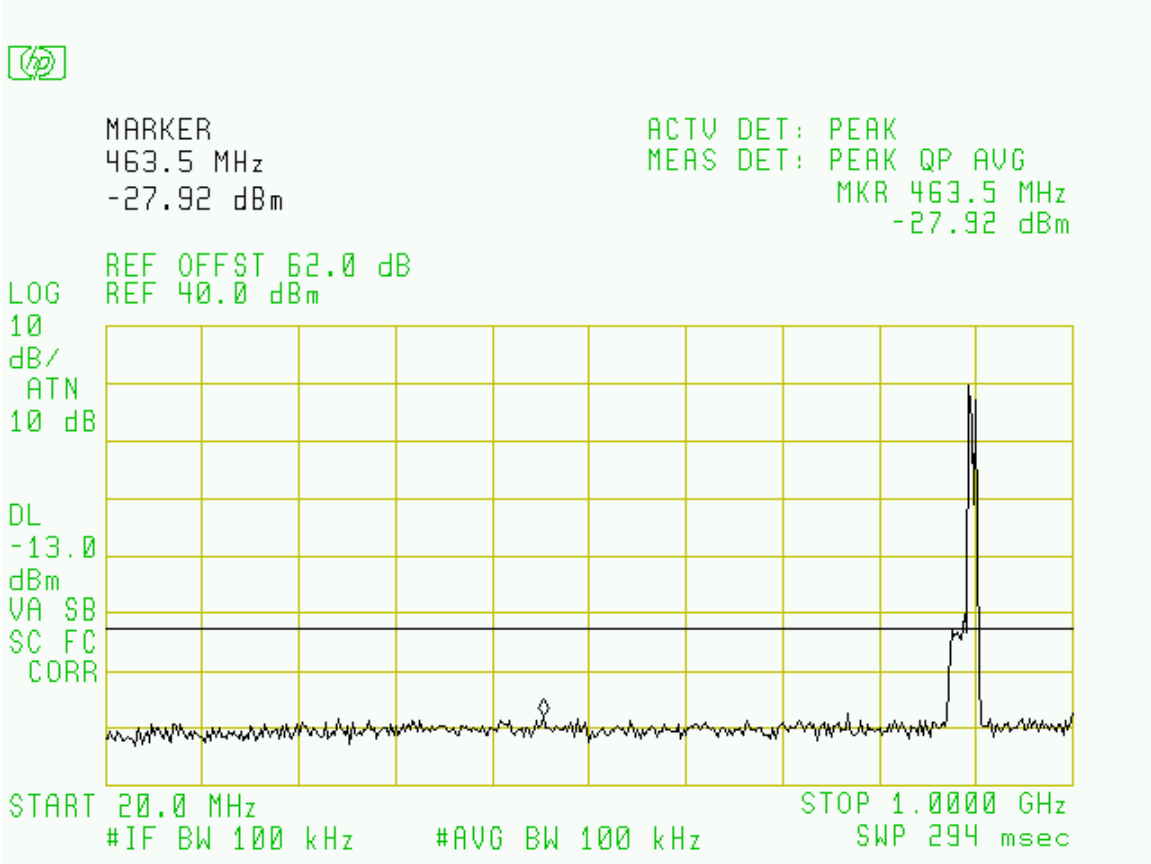
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



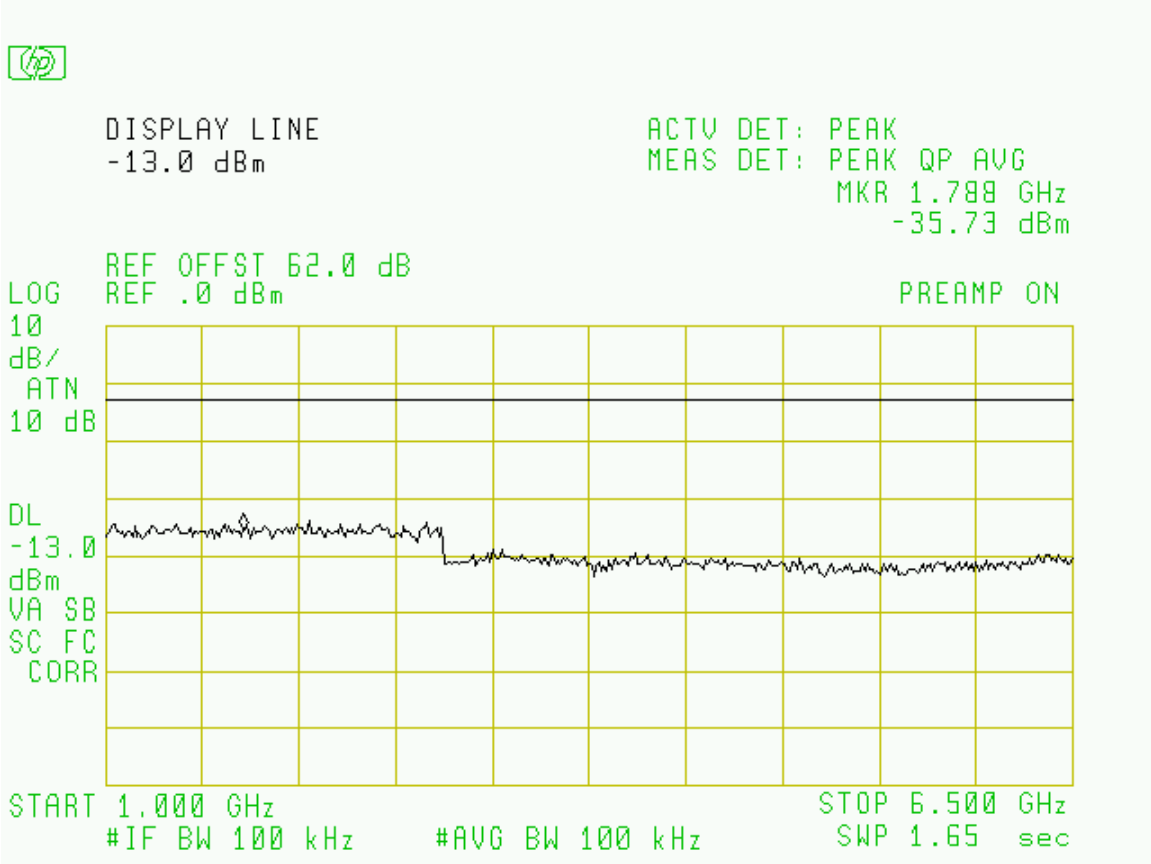
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



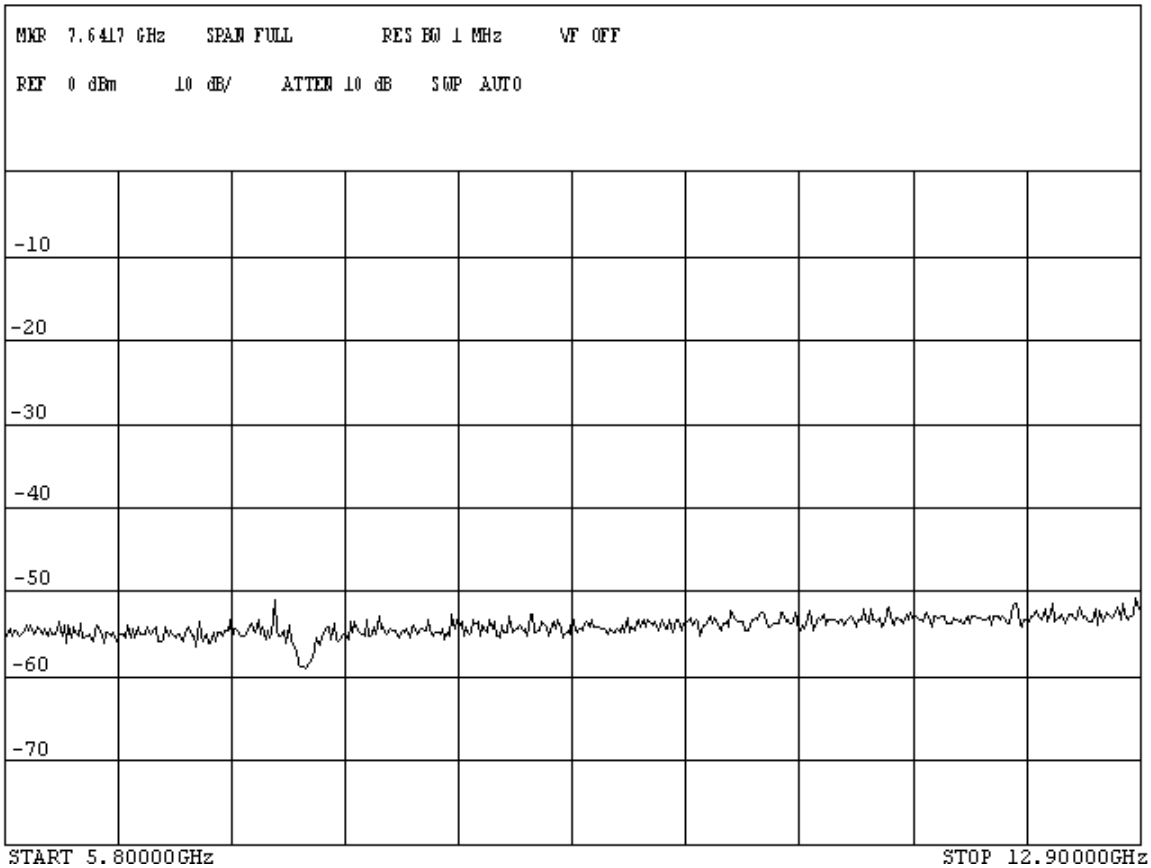
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



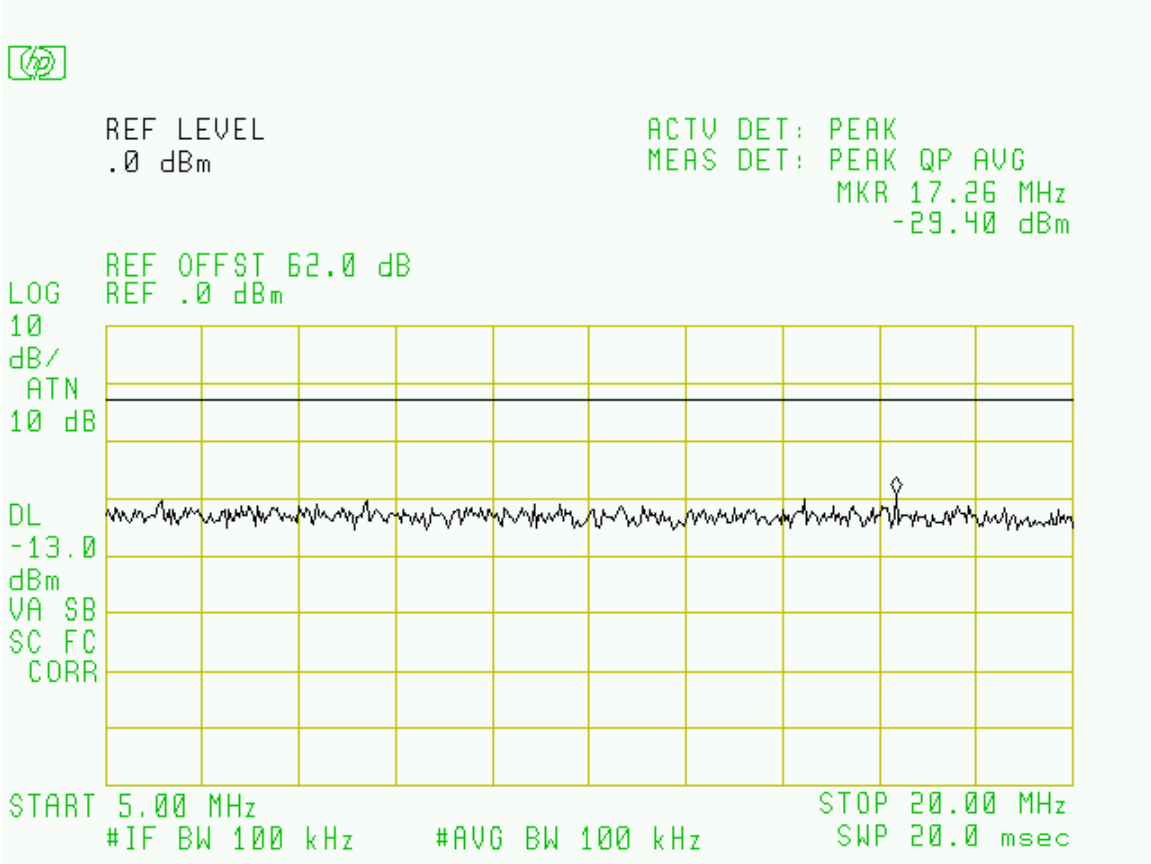
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



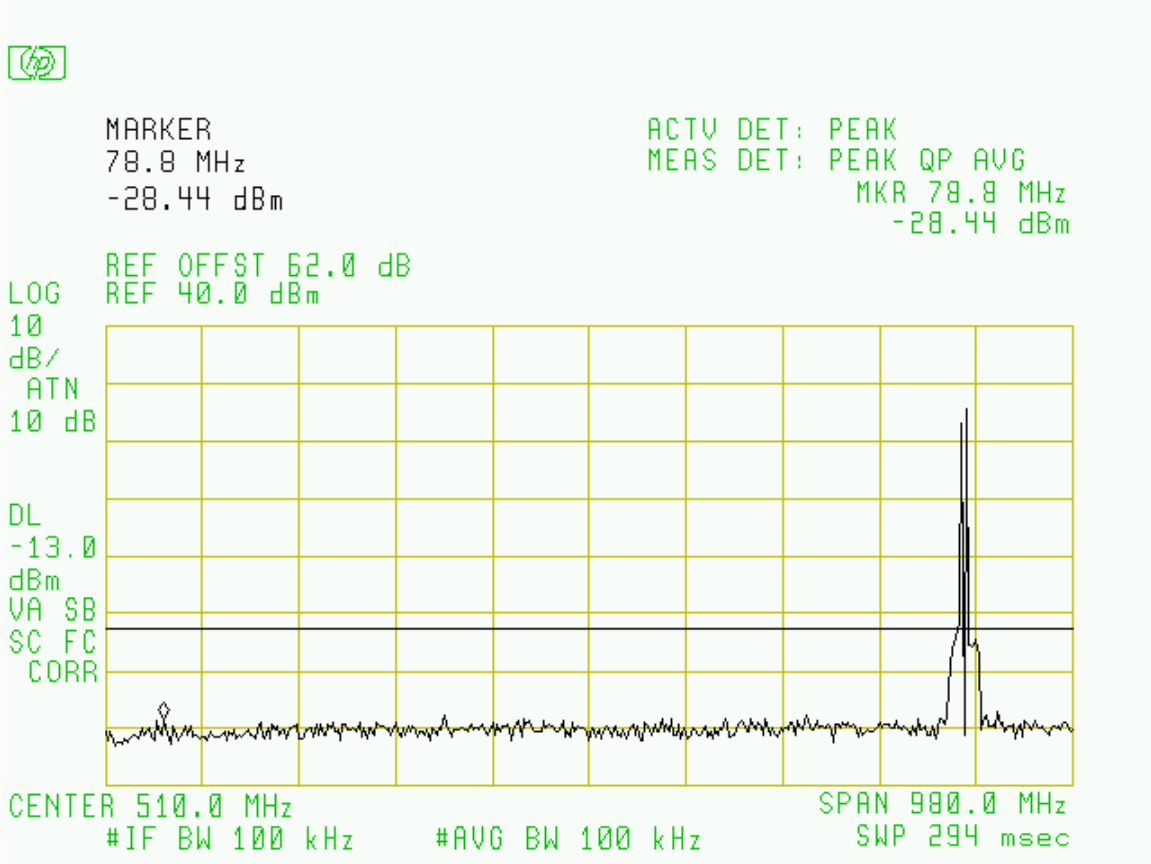
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



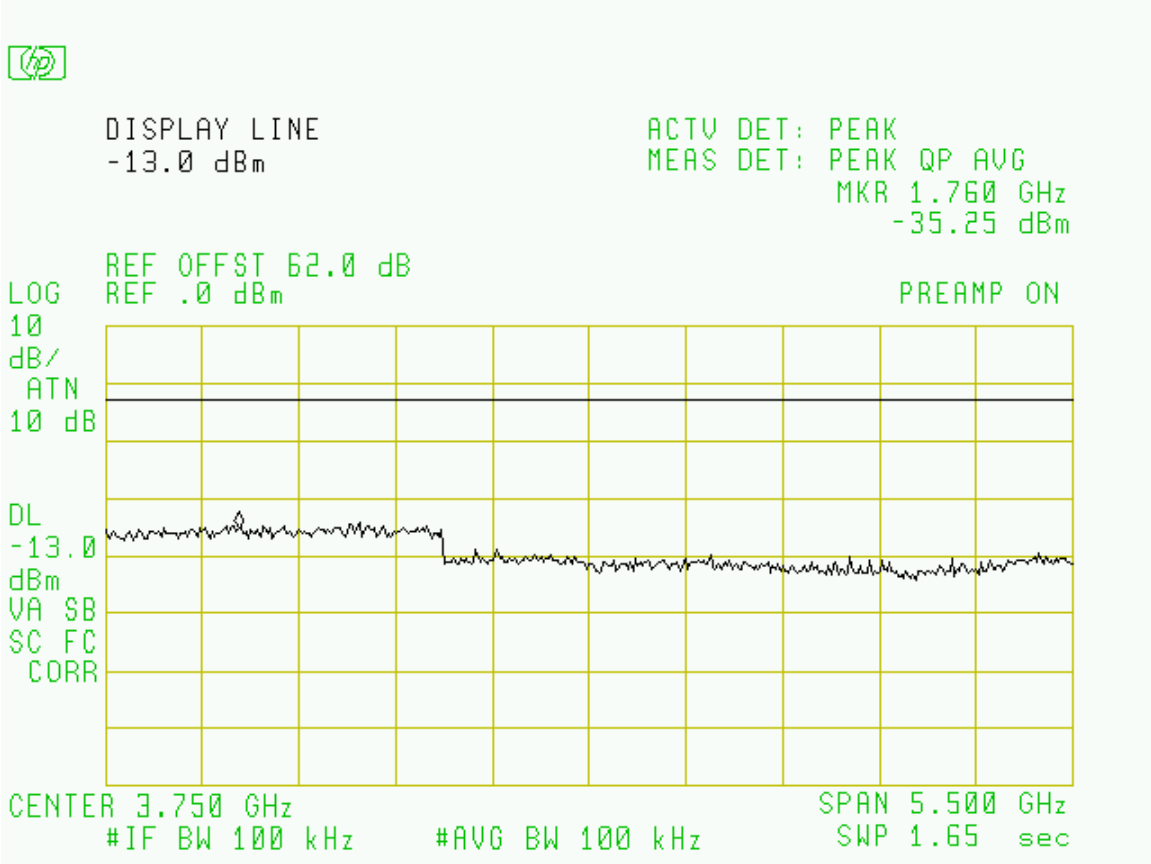
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



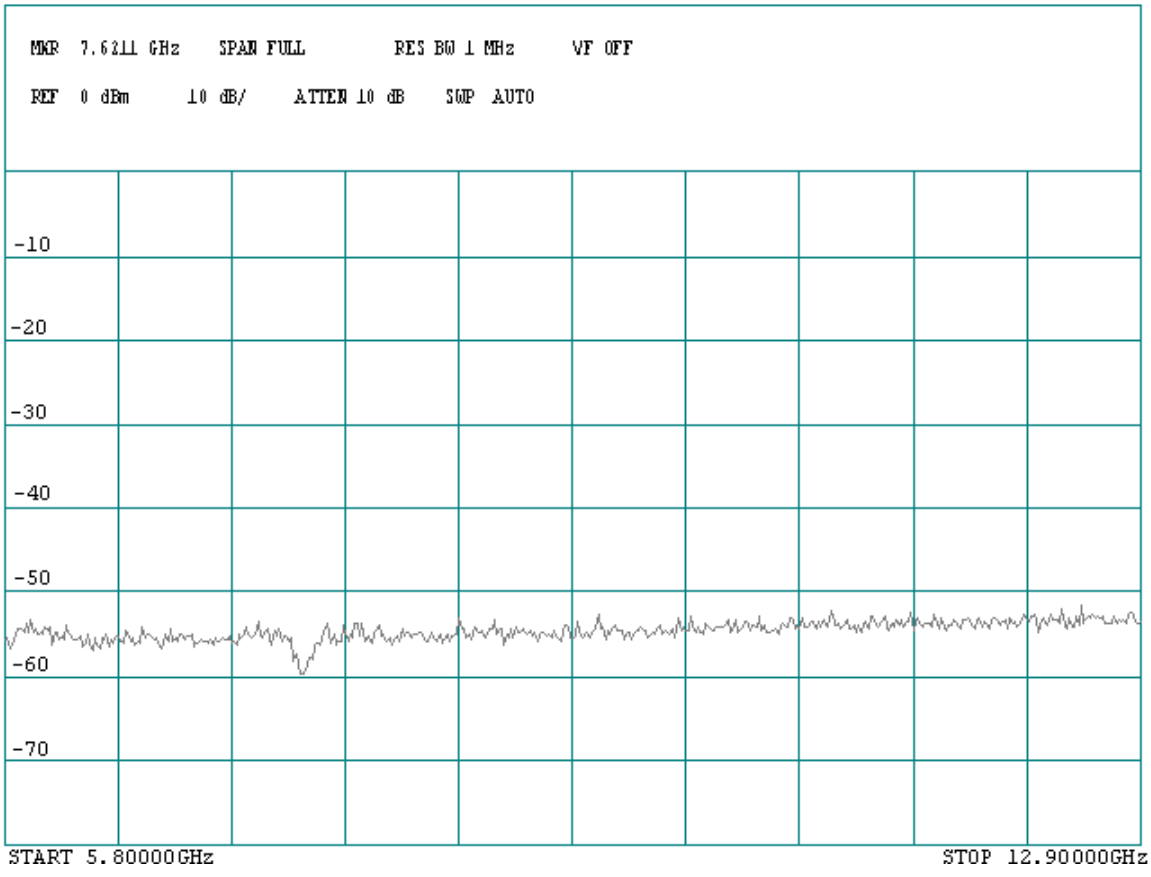
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



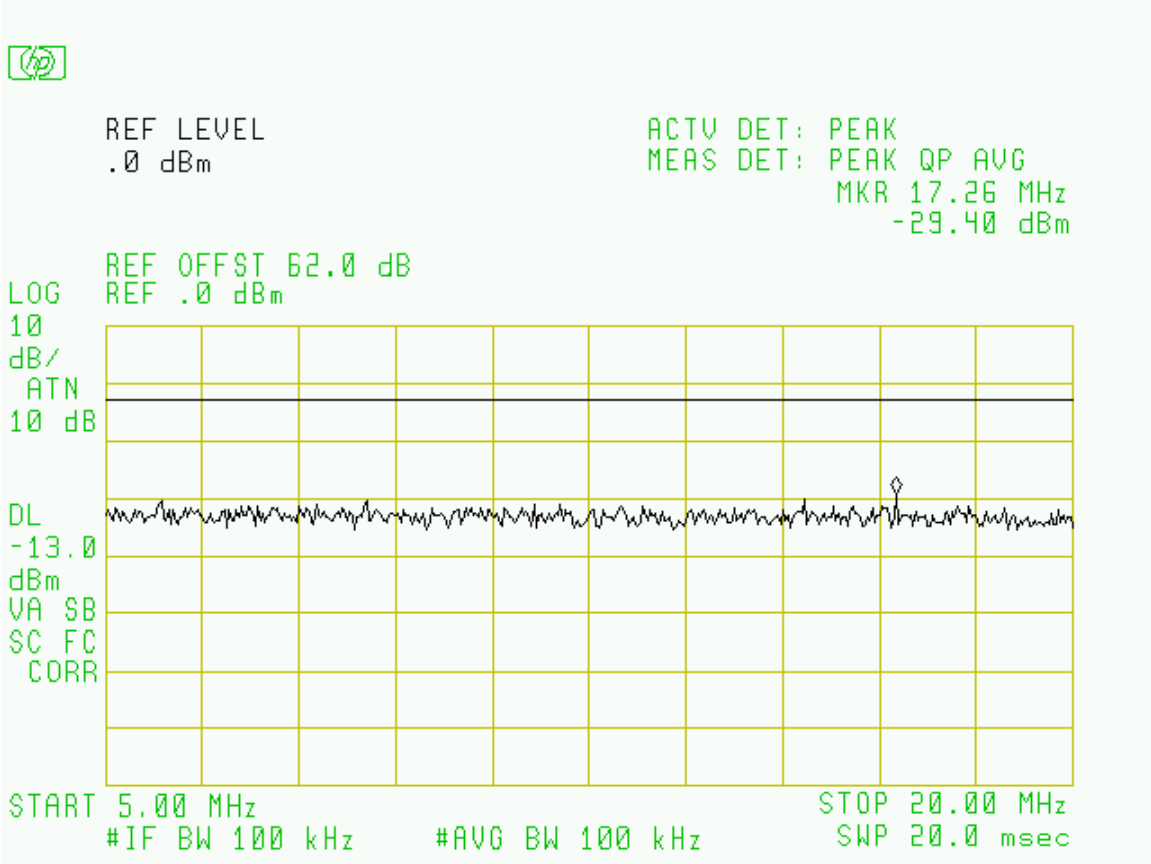
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



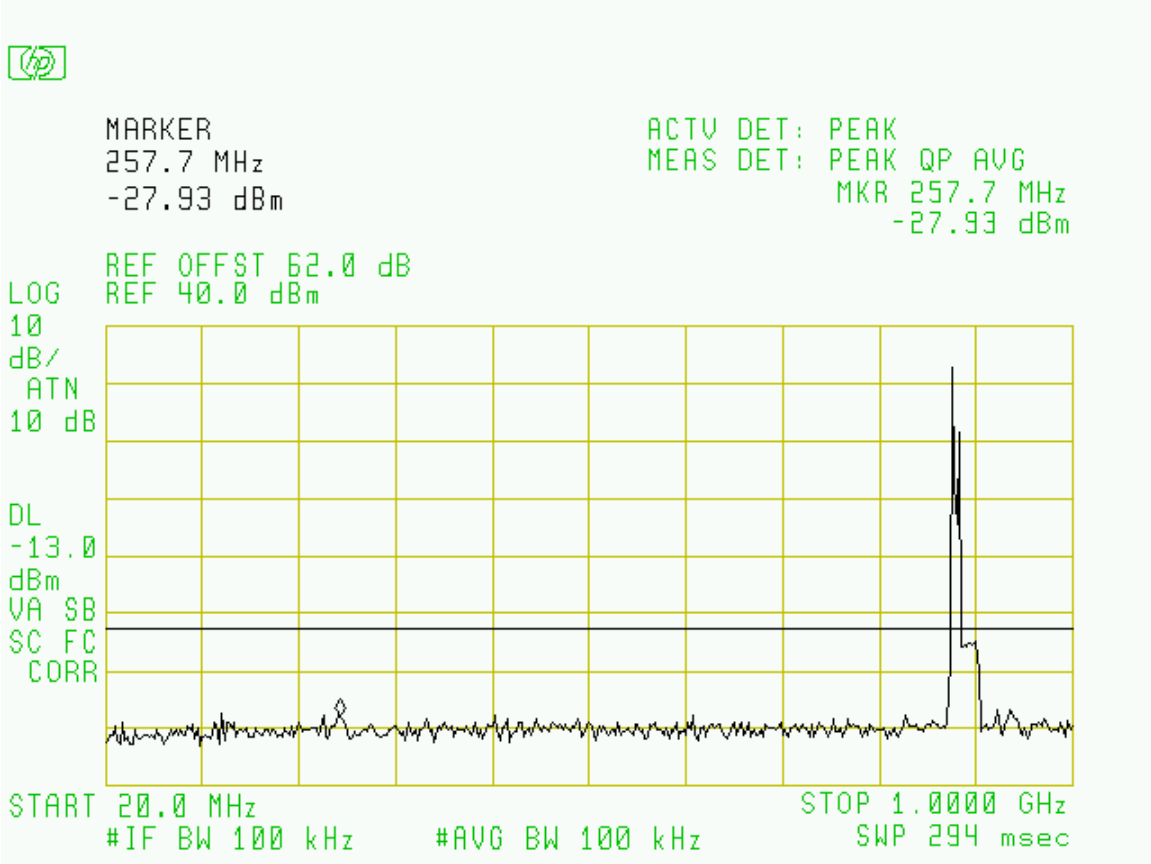
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



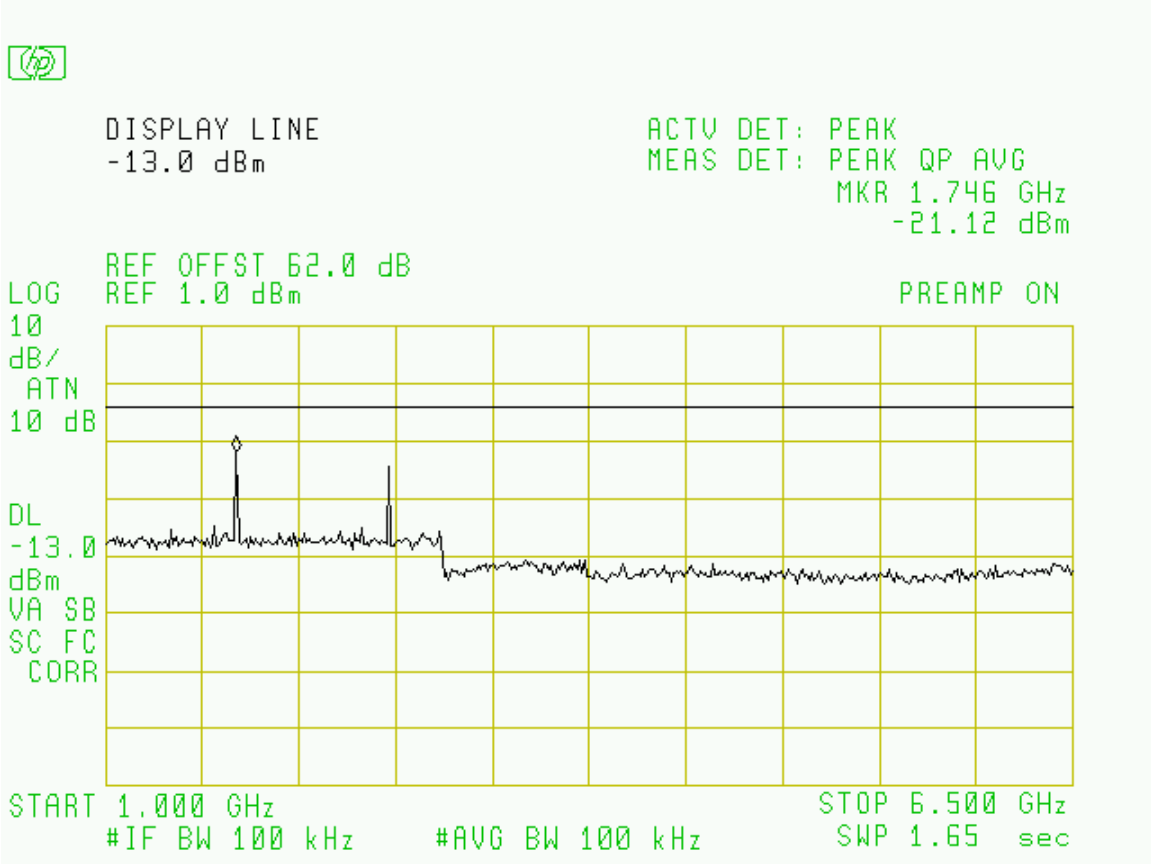
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



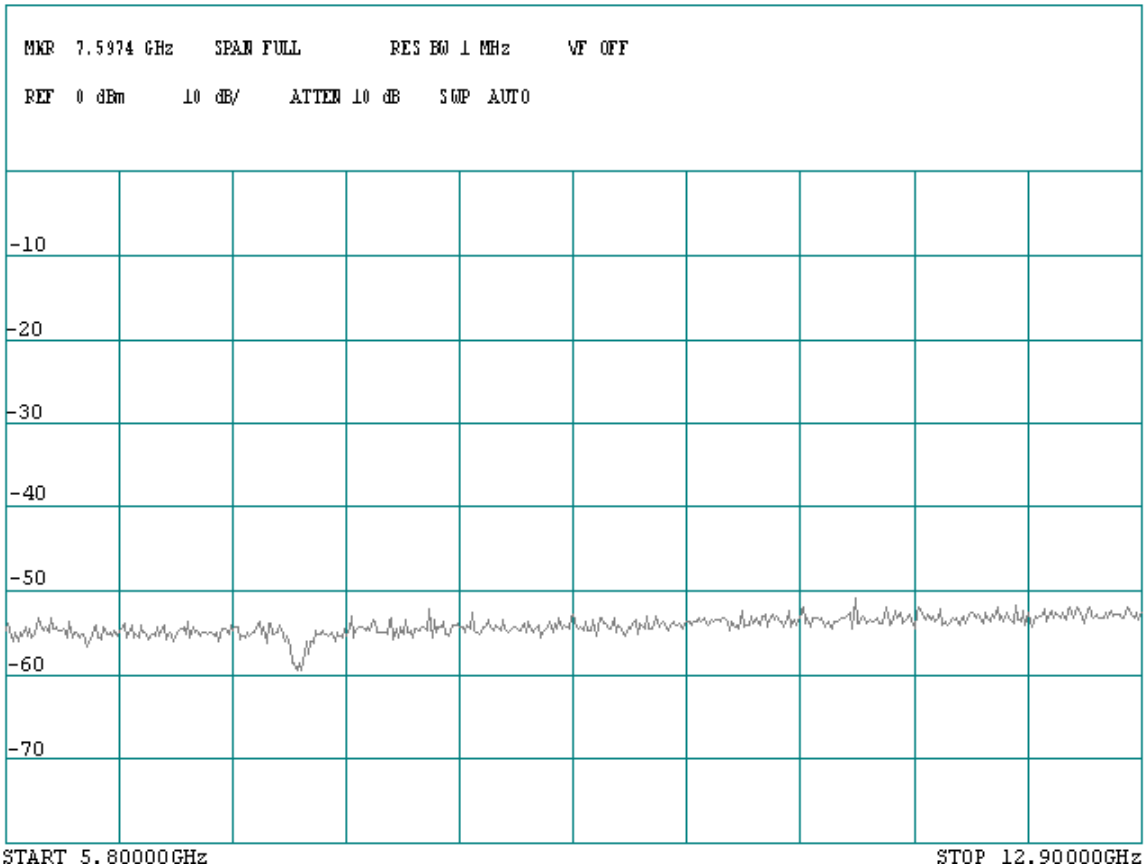
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT * 2nd Harmonic Average Reading =-21.72dBm



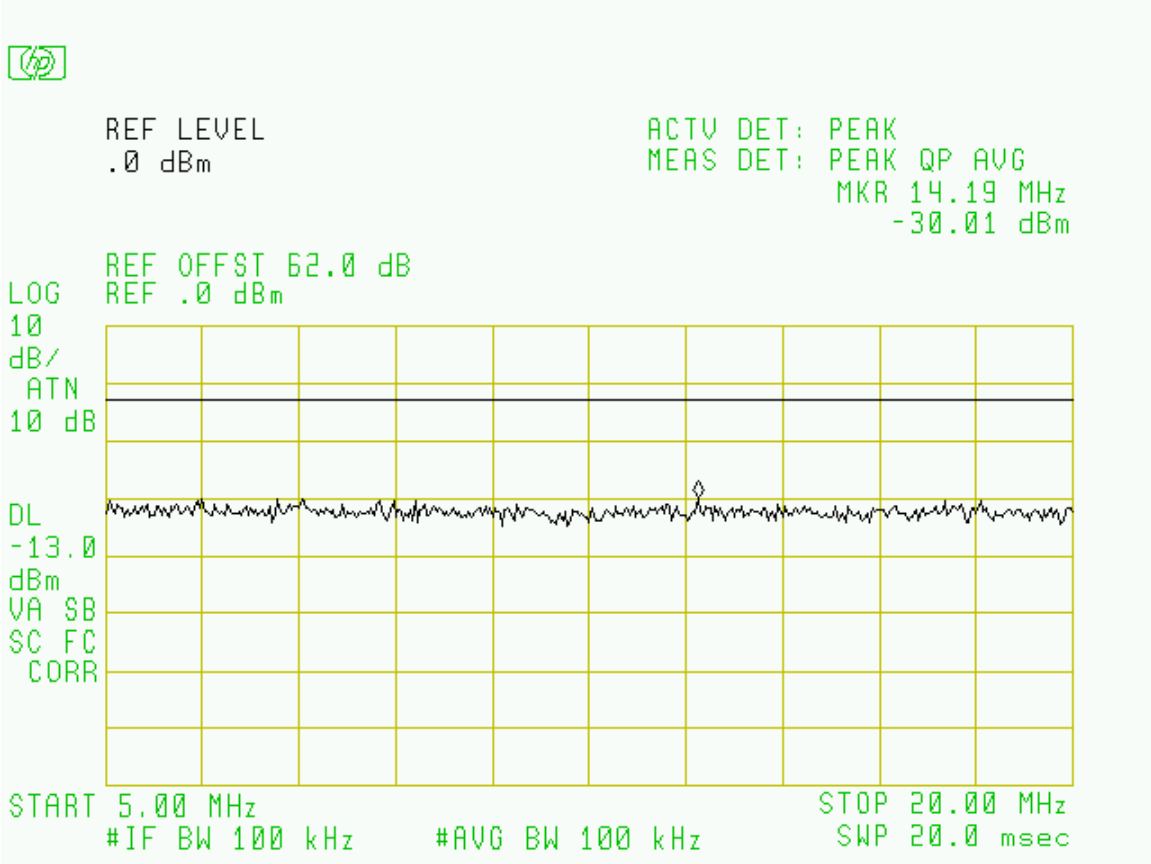
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



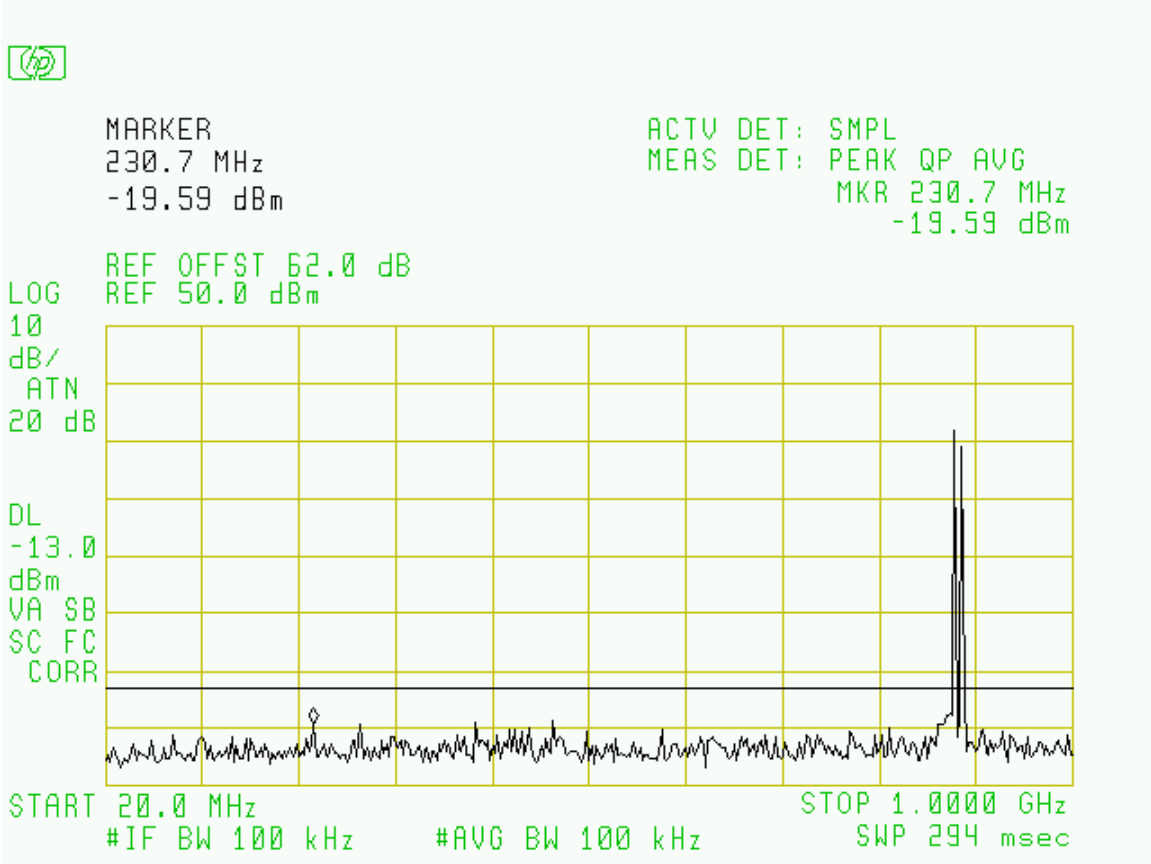
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



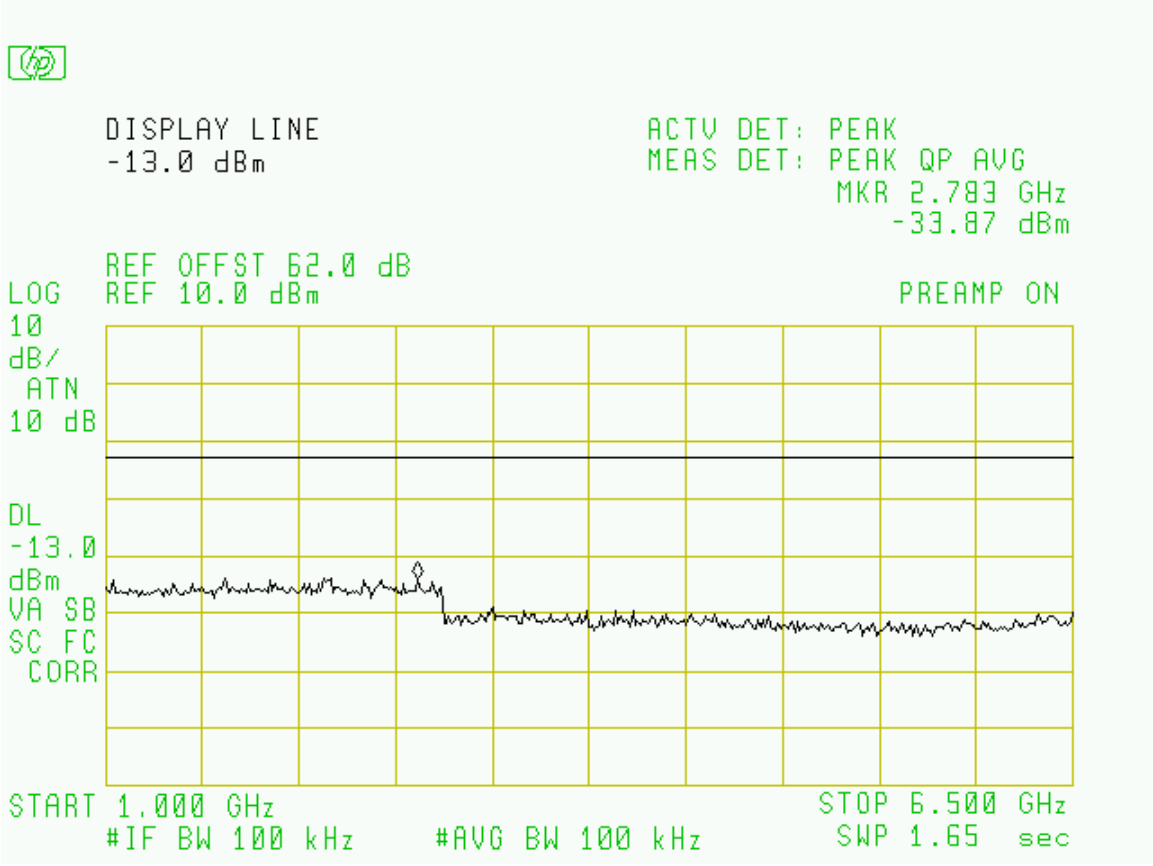
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



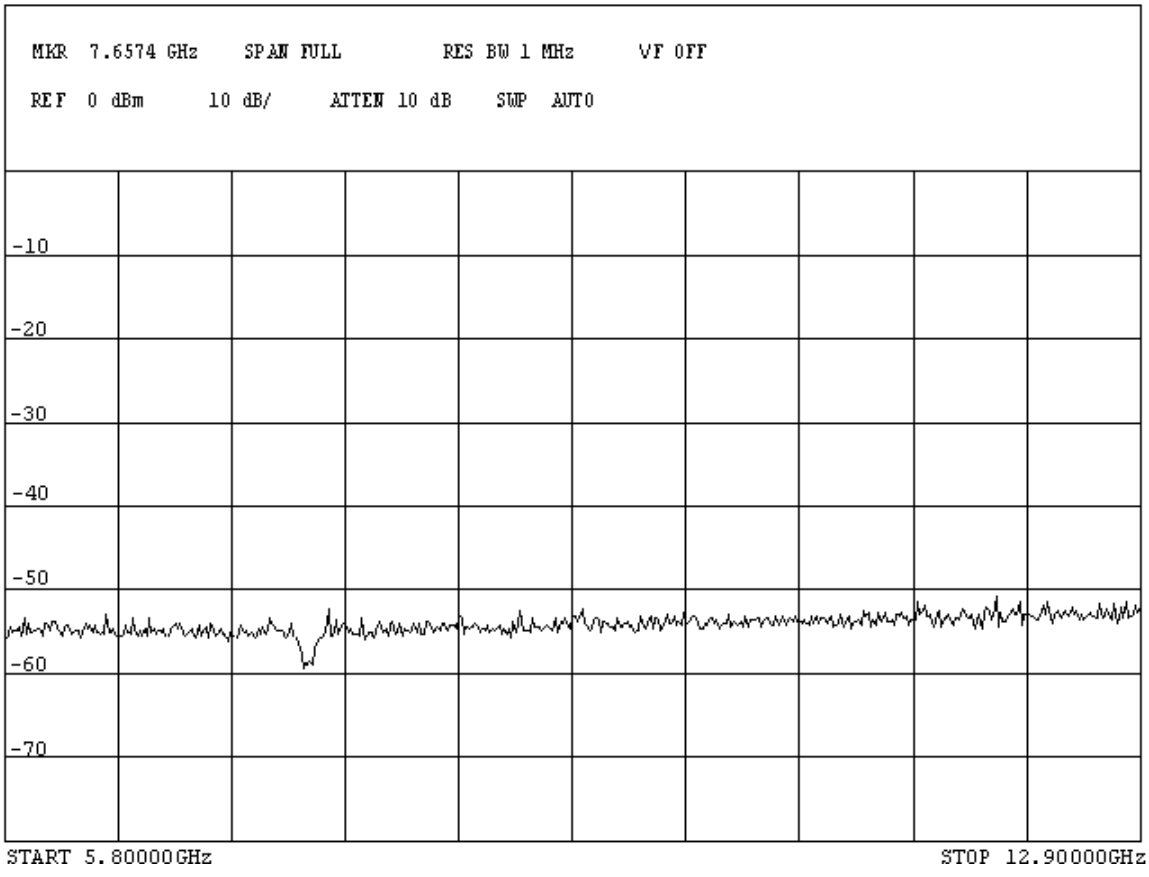
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



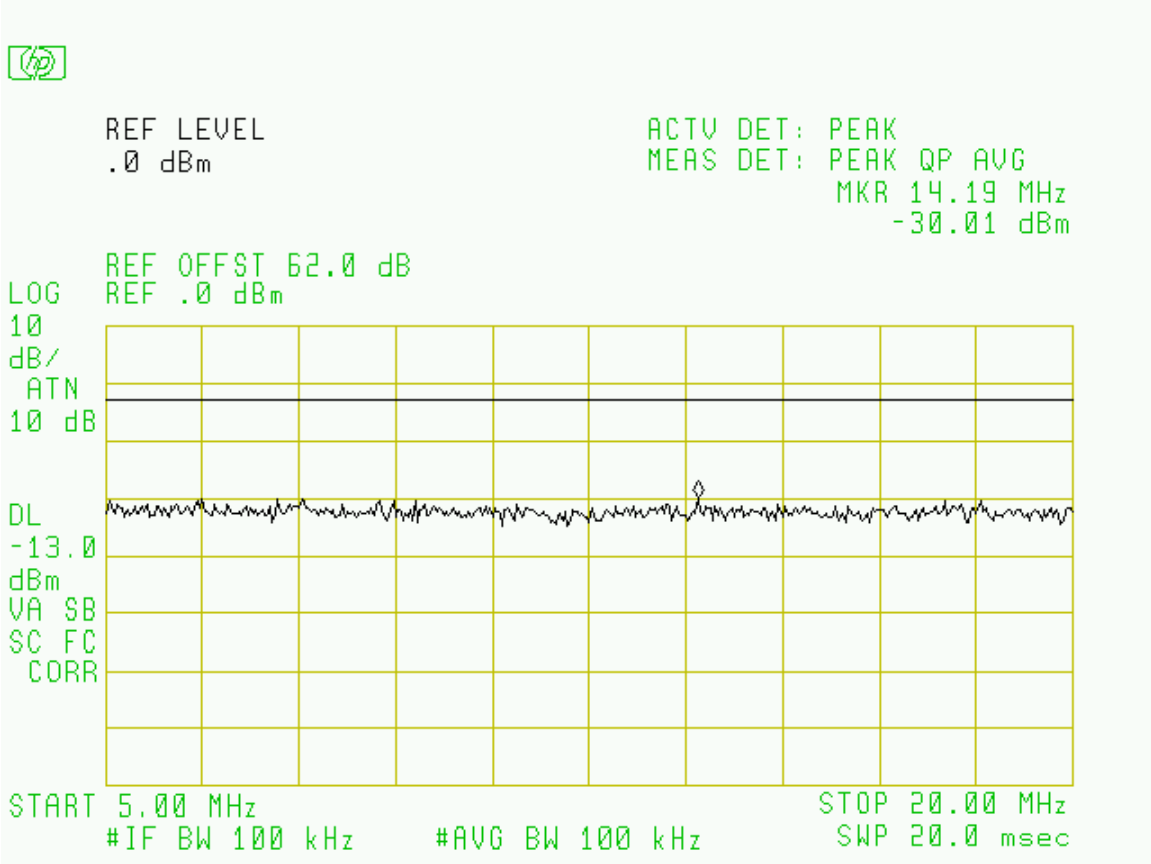
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



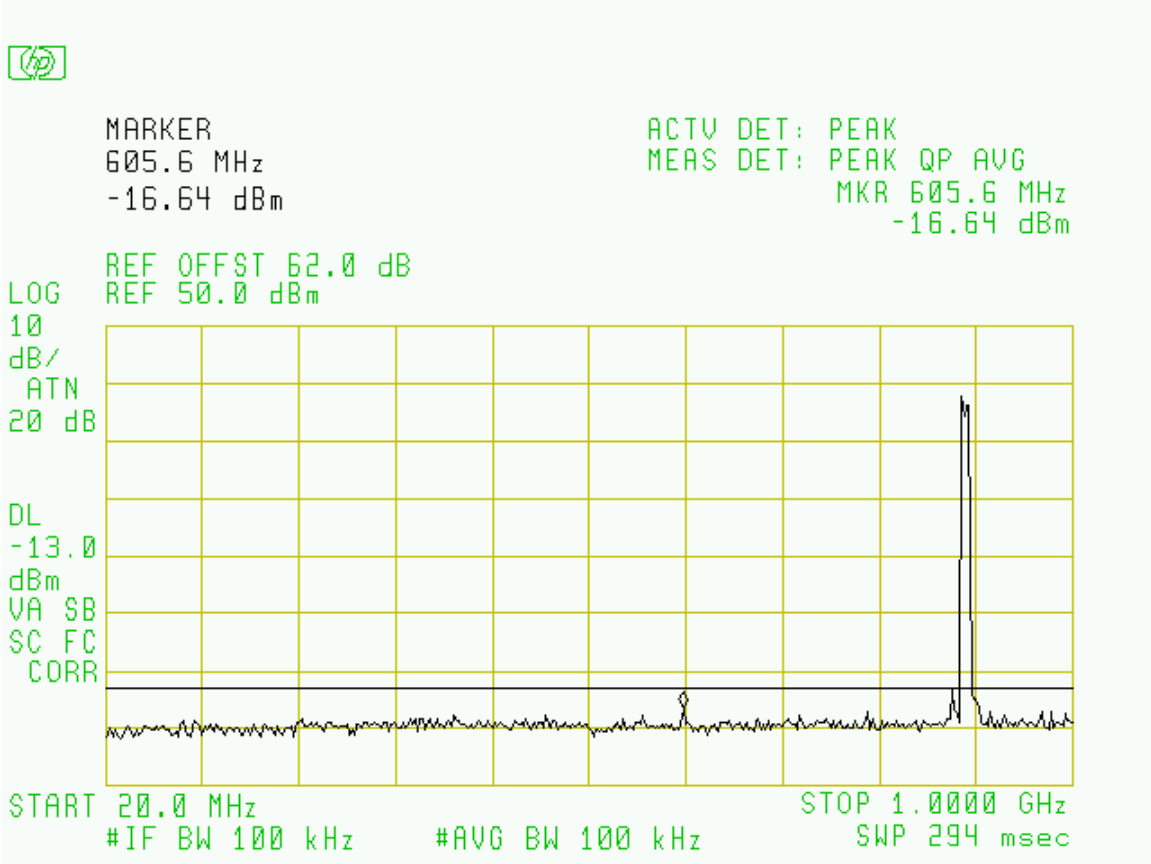
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



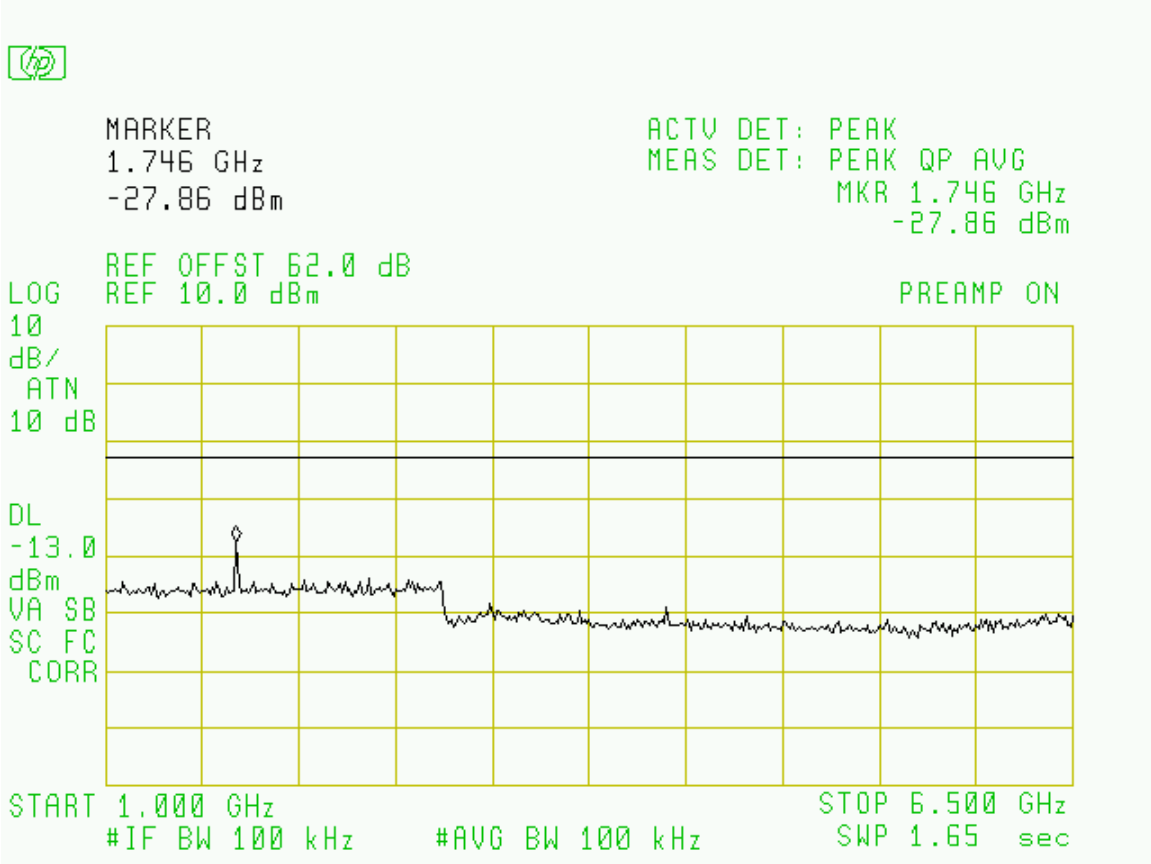
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



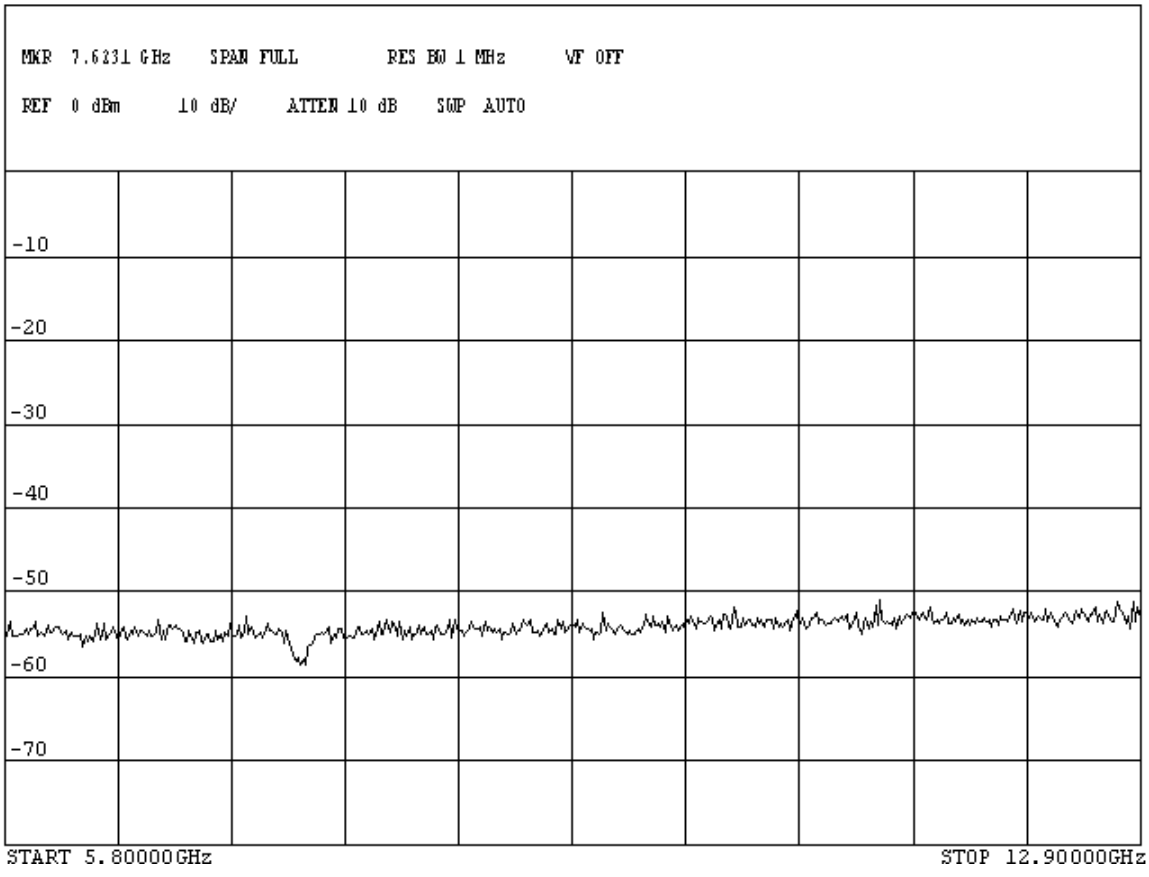
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



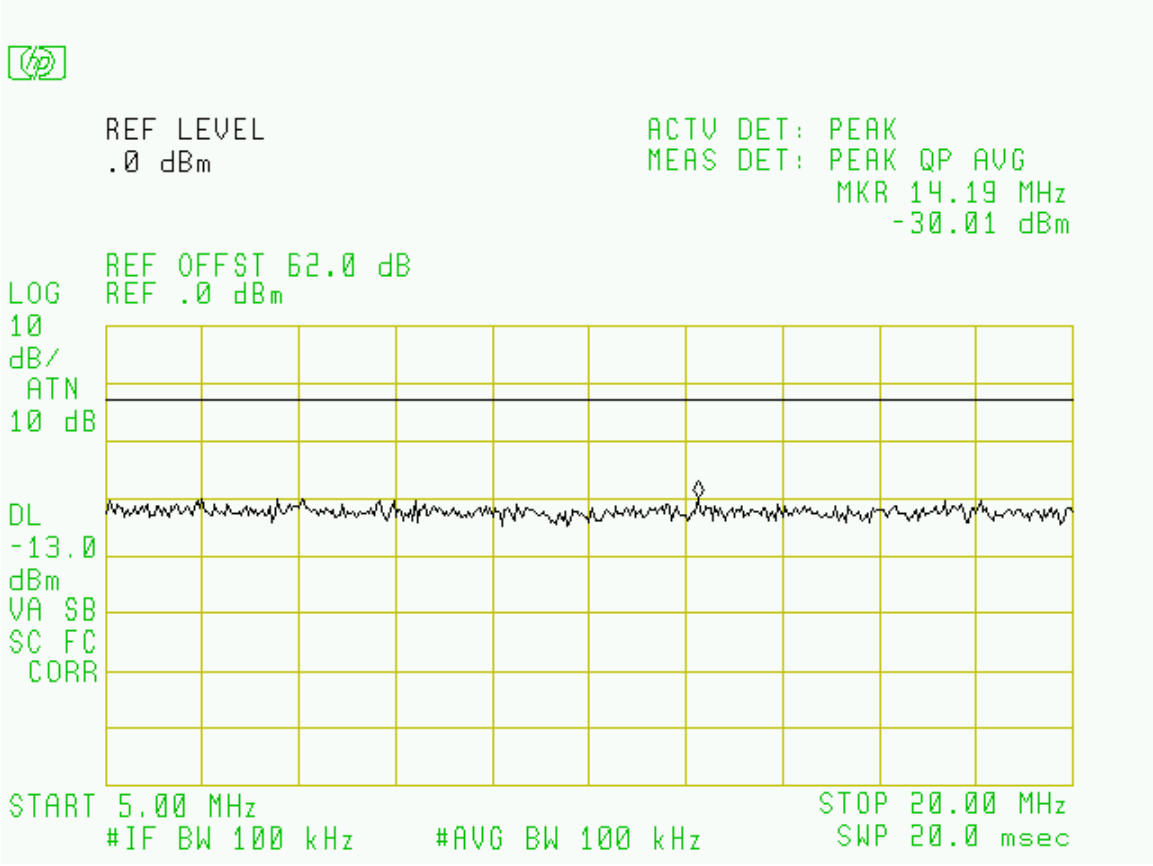
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



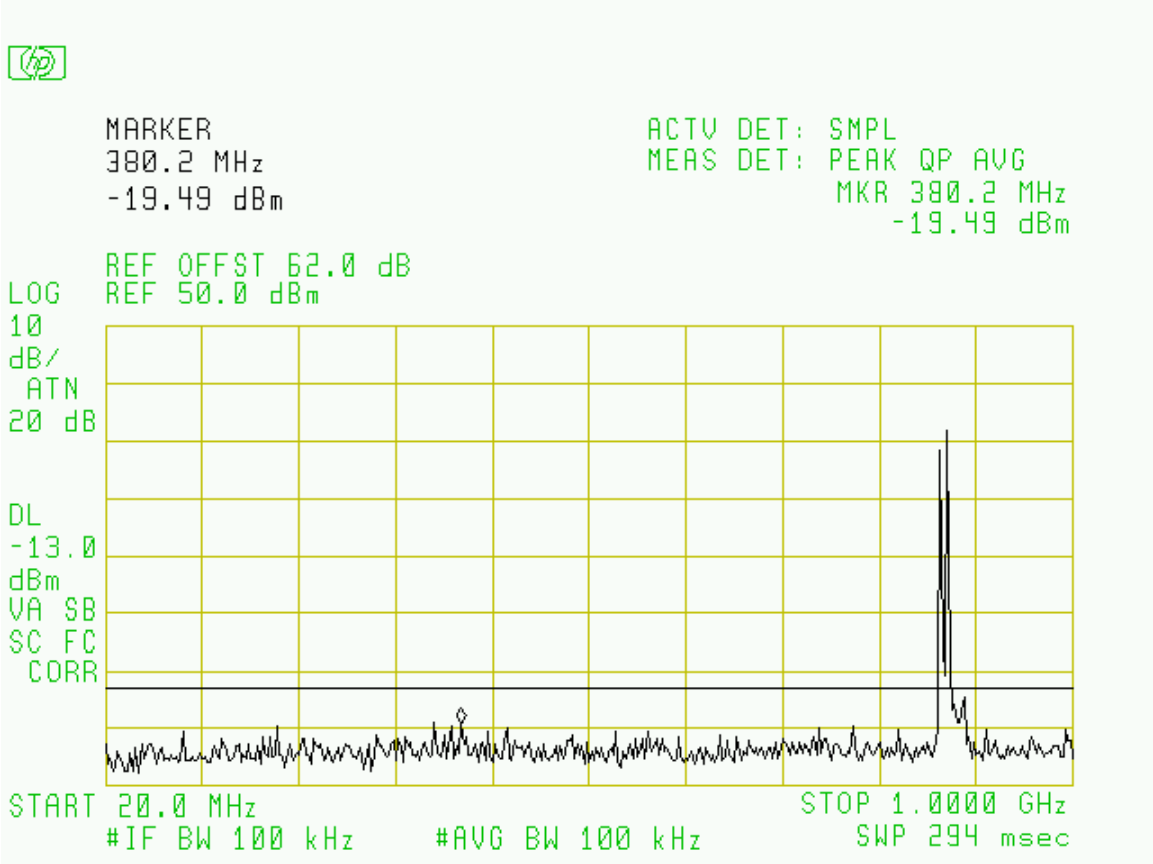
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



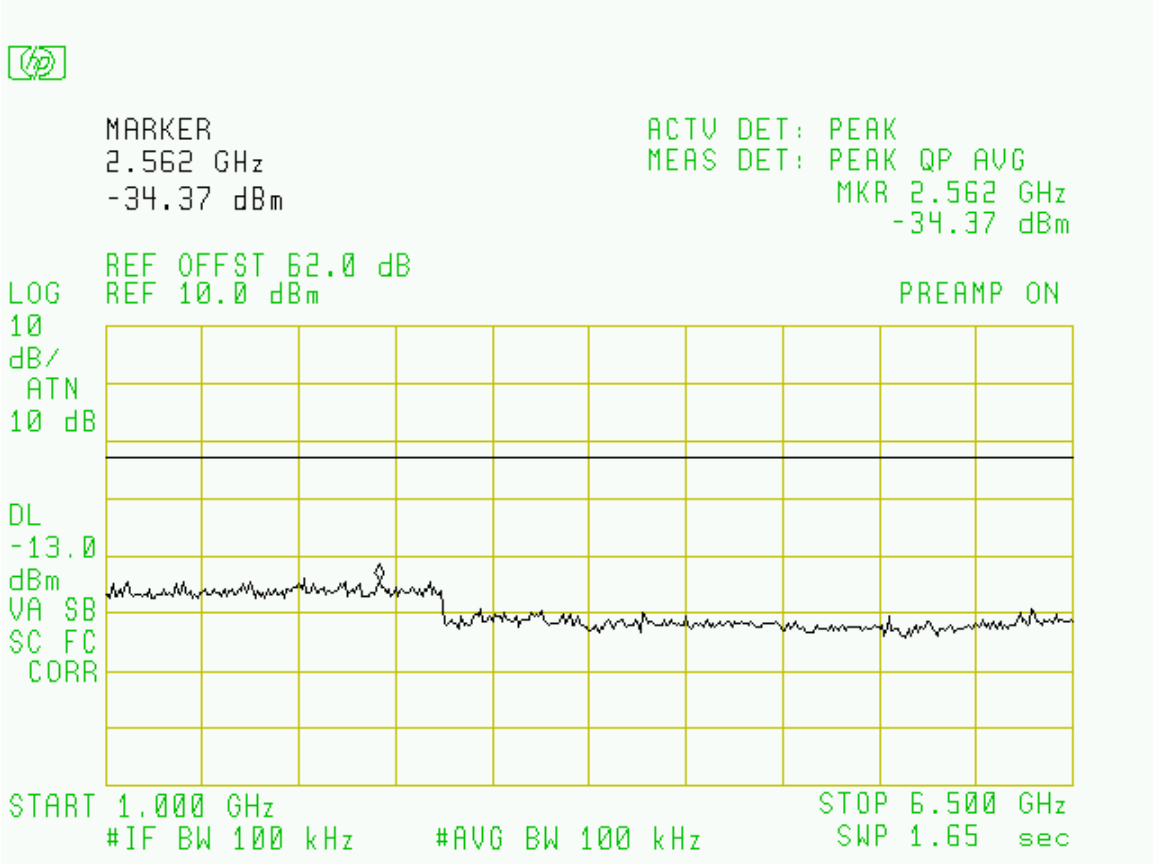
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



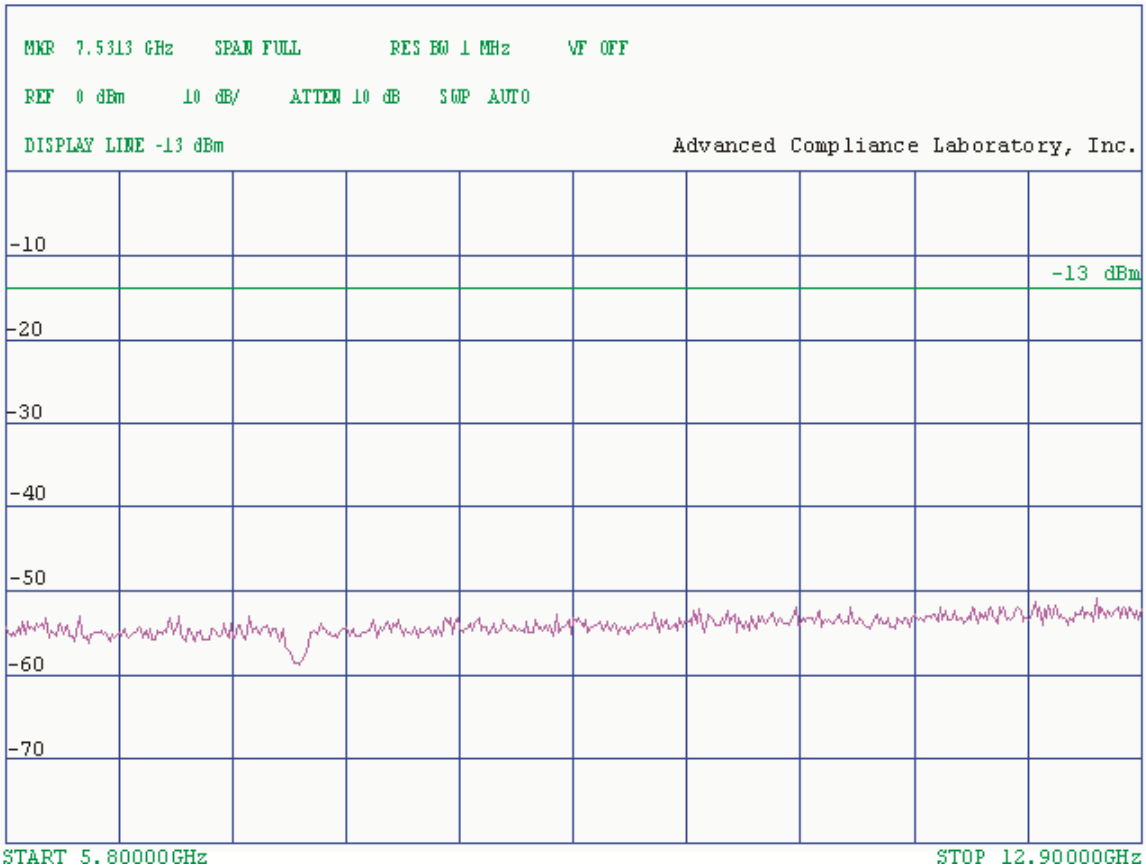
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



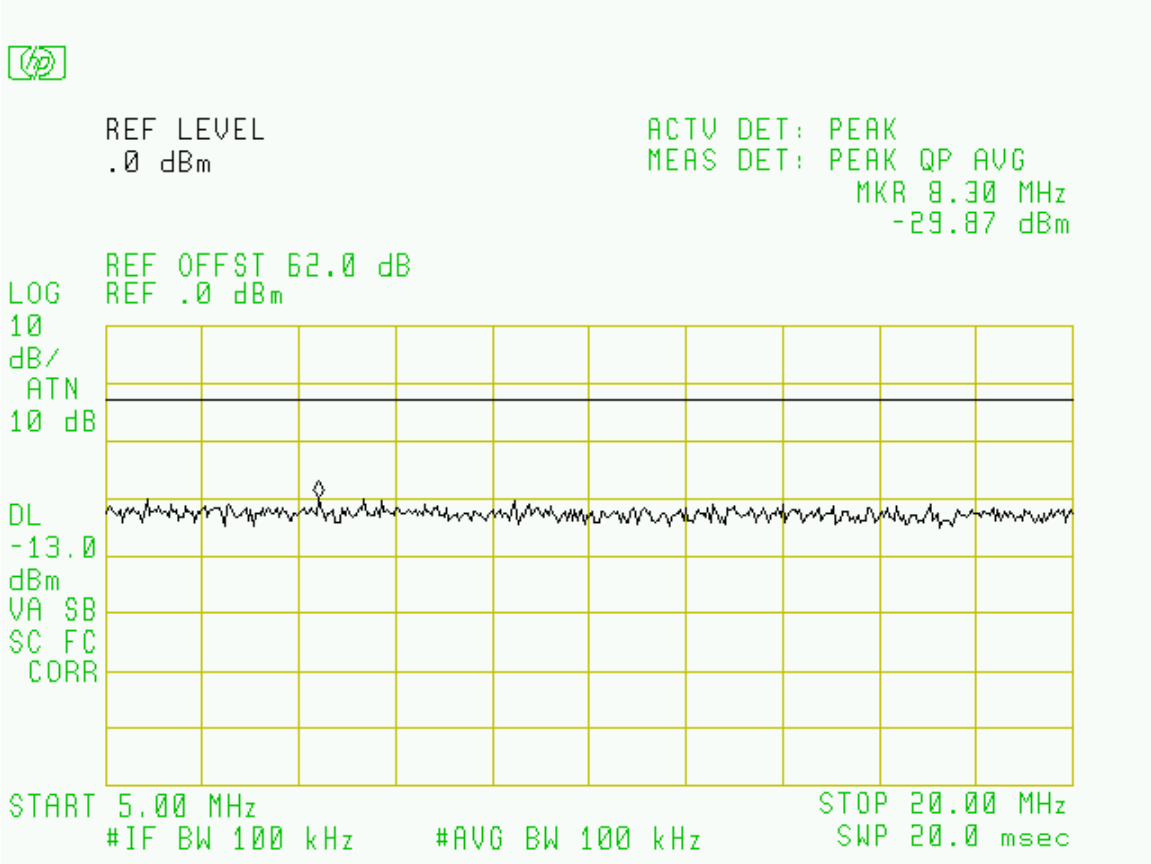
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



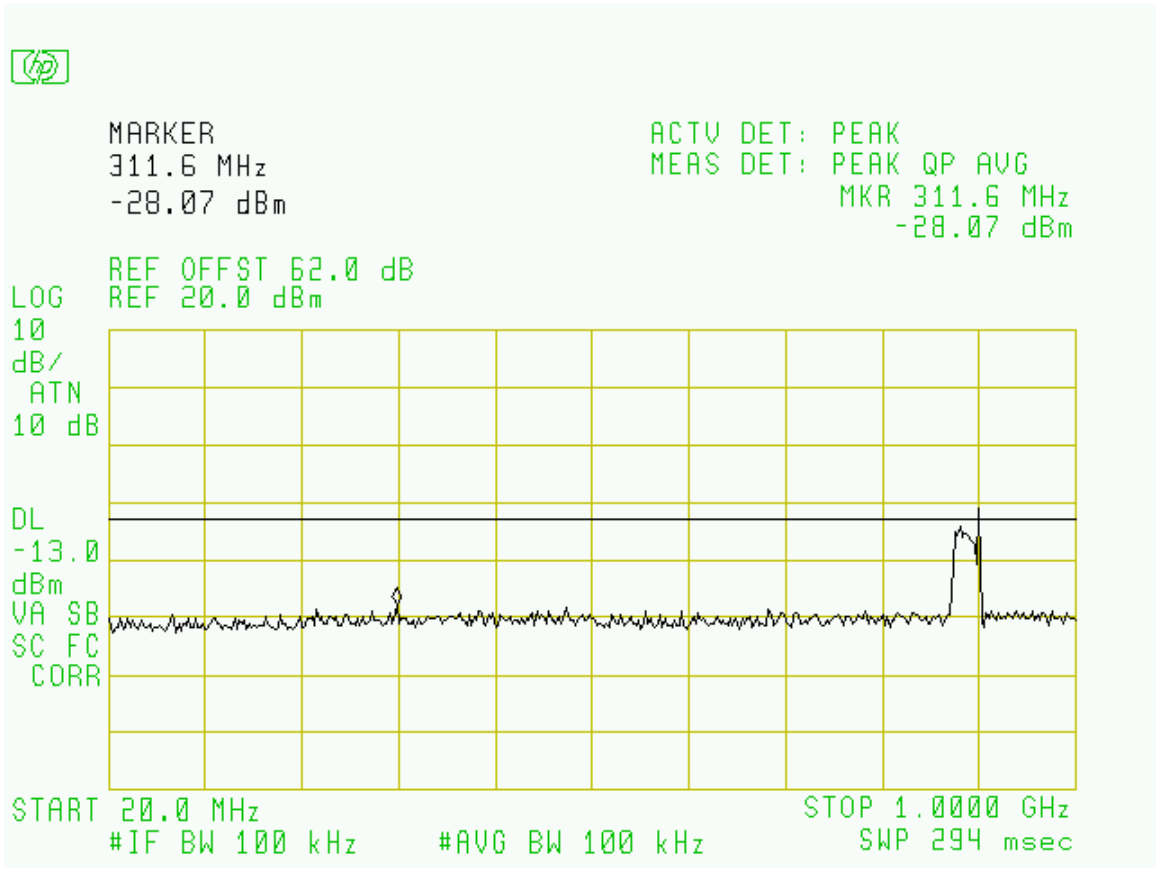
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



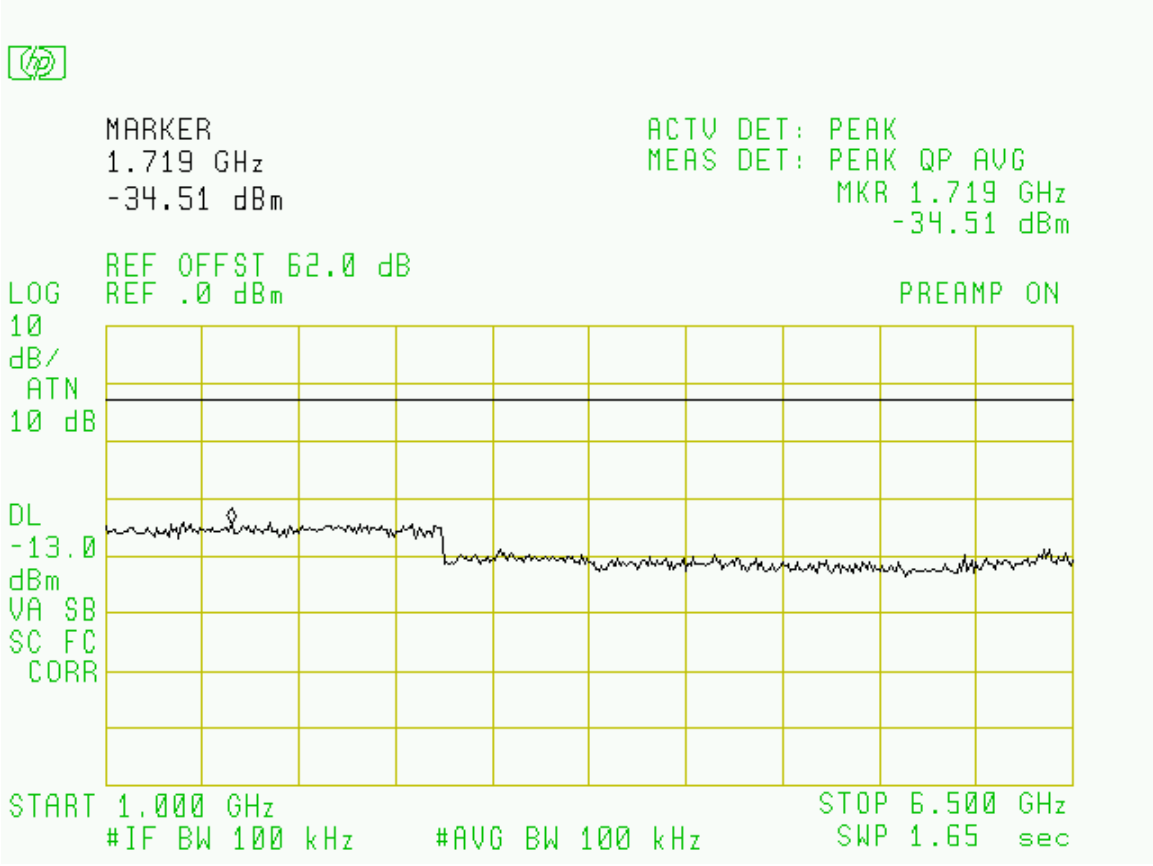
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



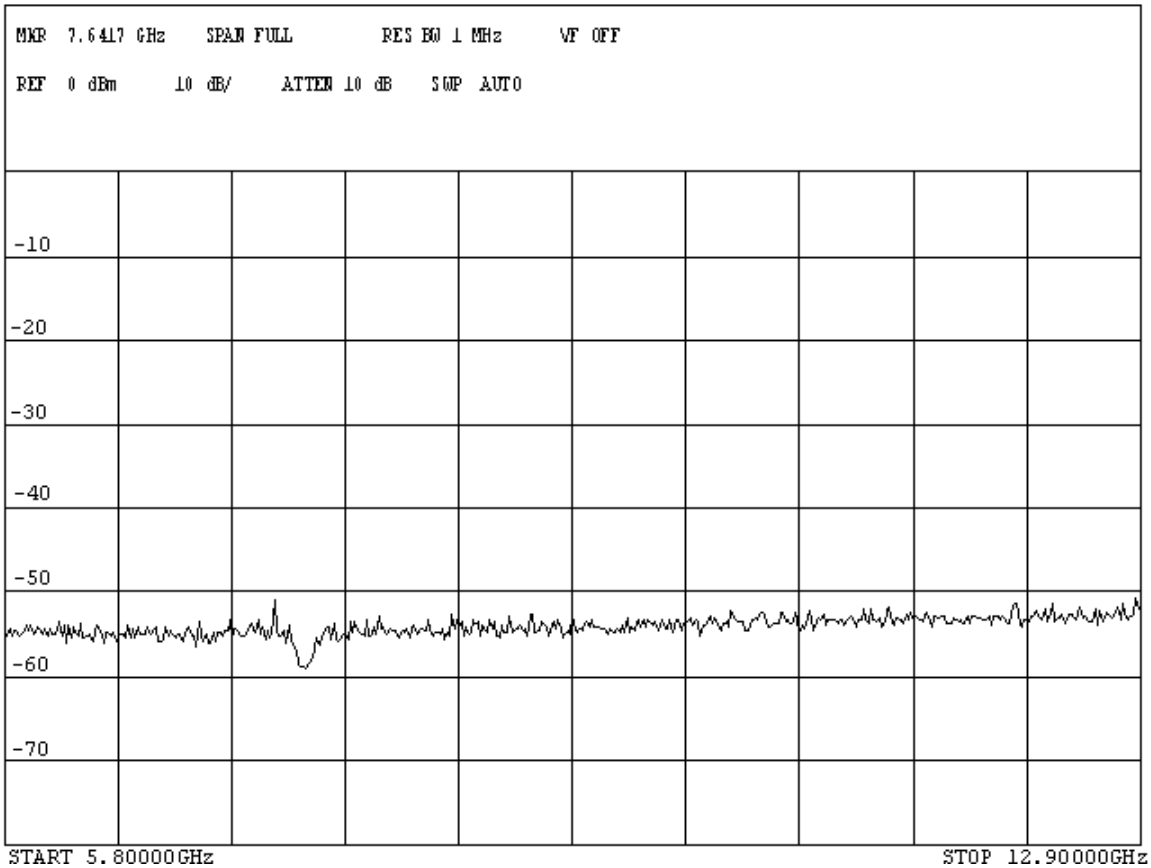
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



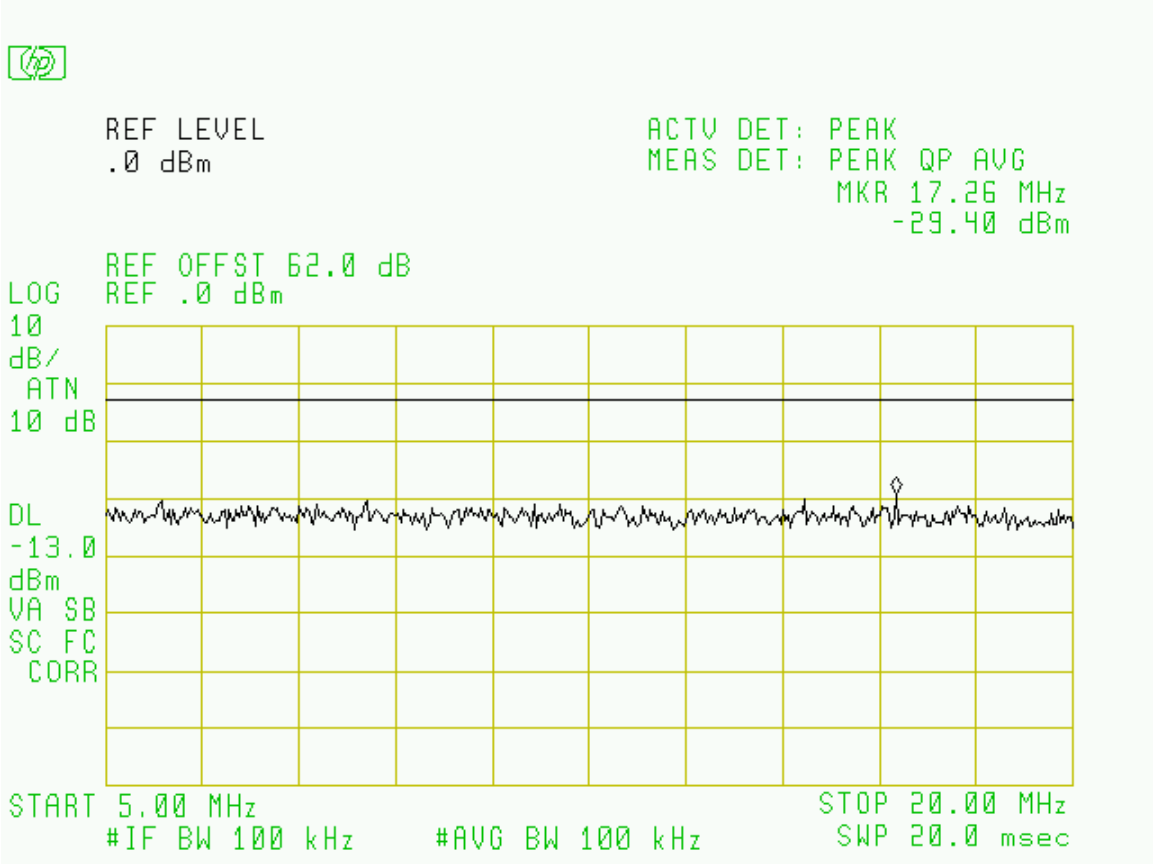
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



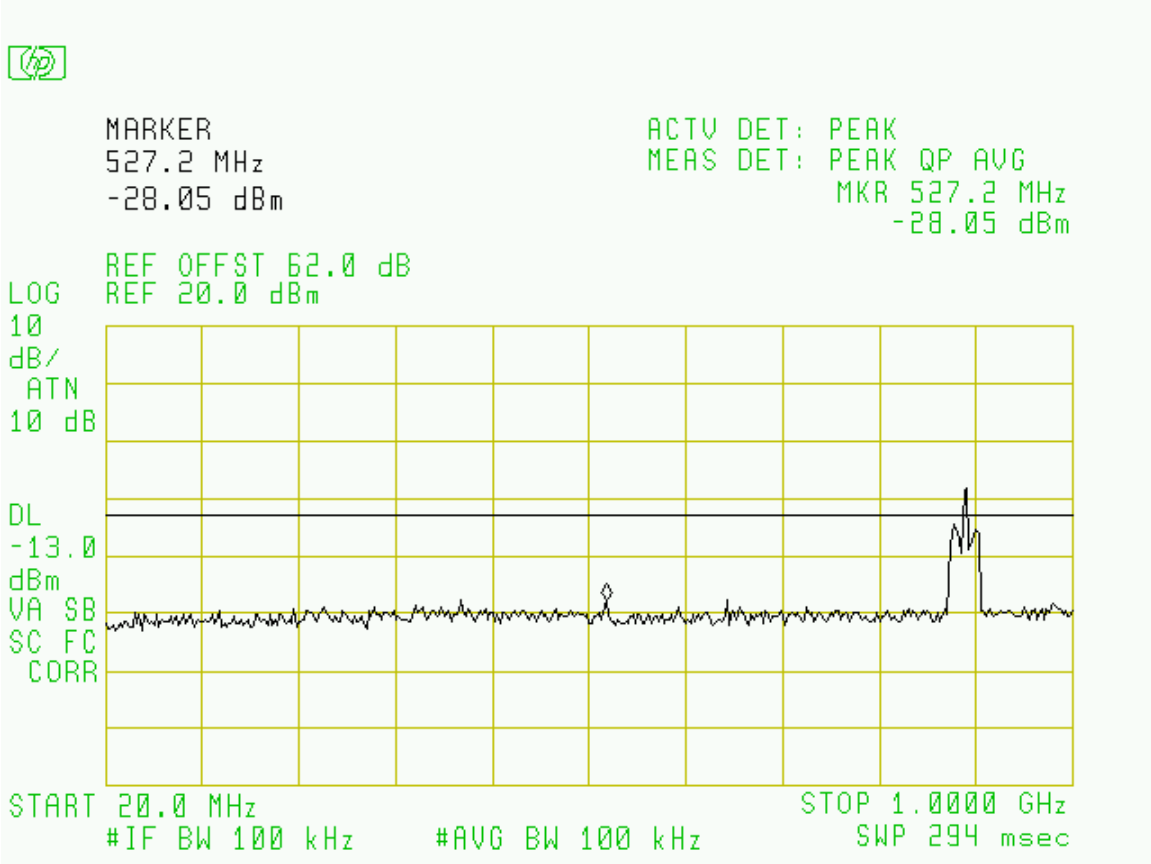
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



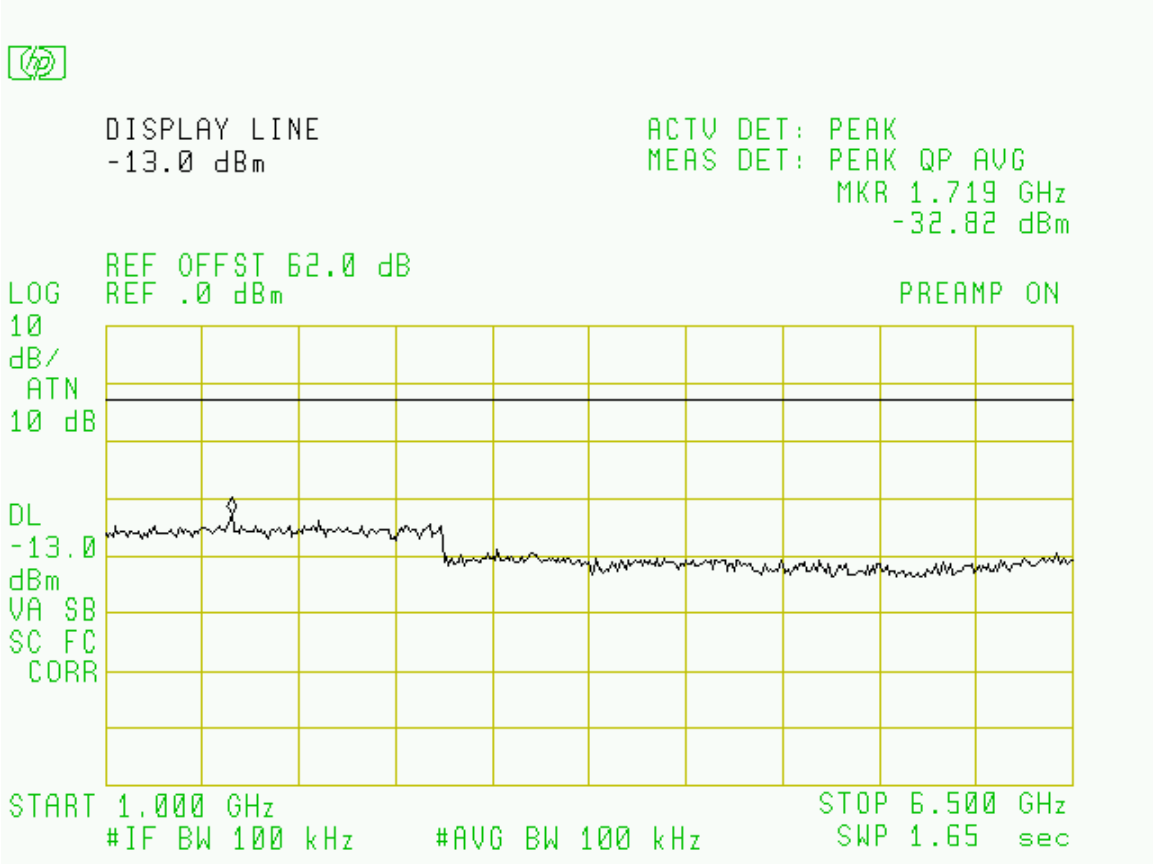
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



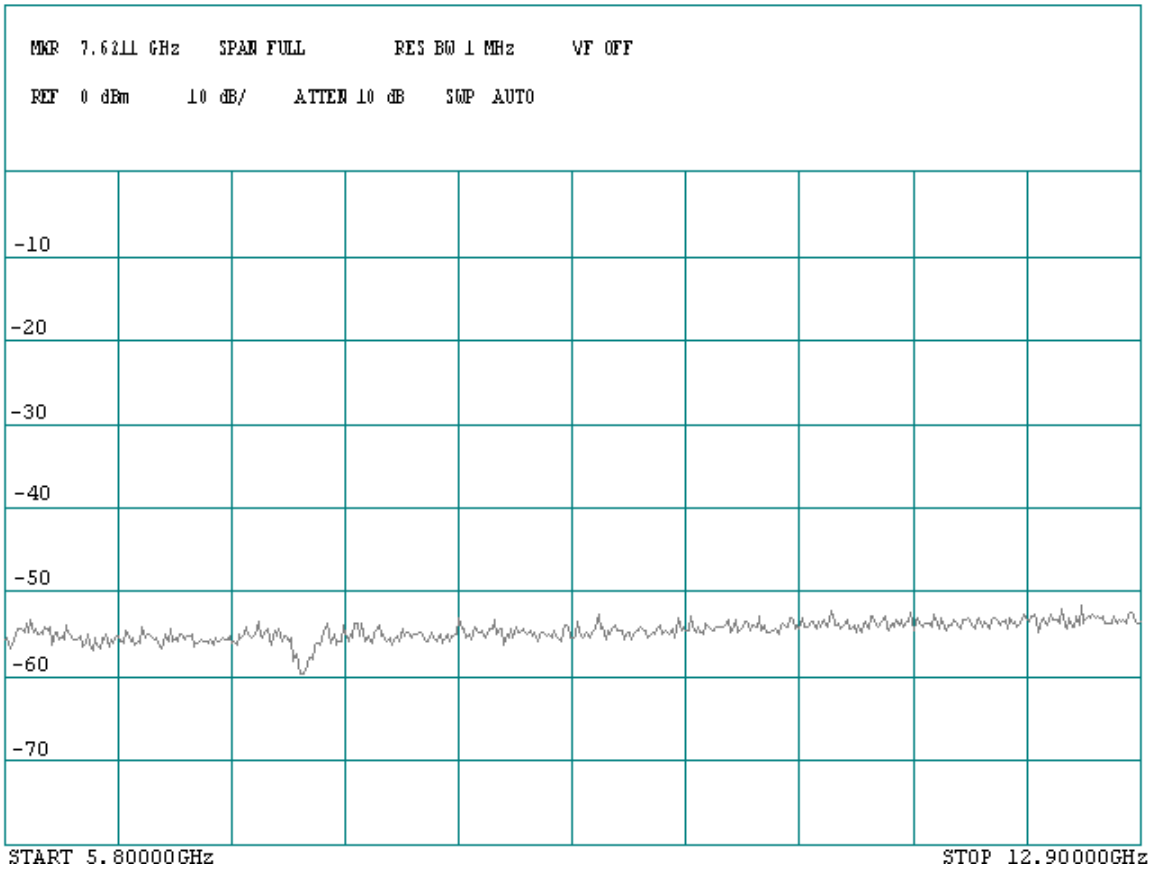
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



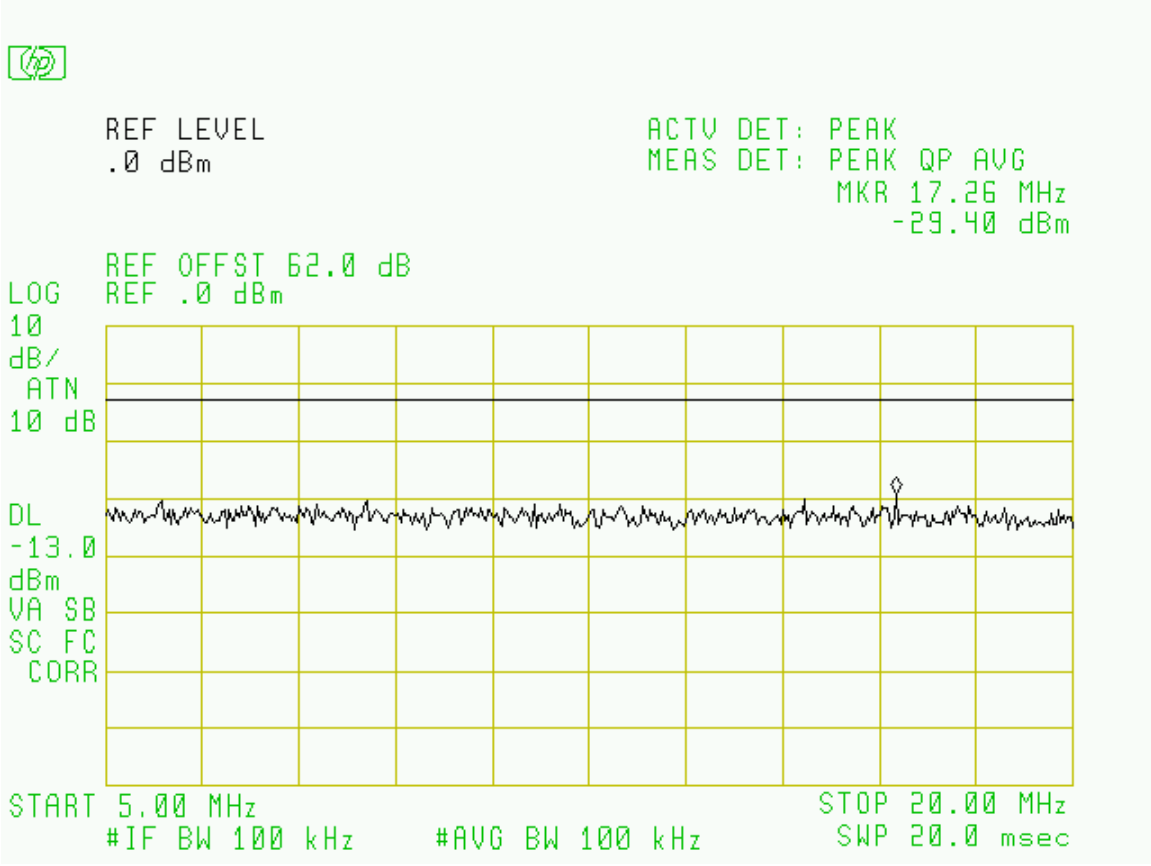
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



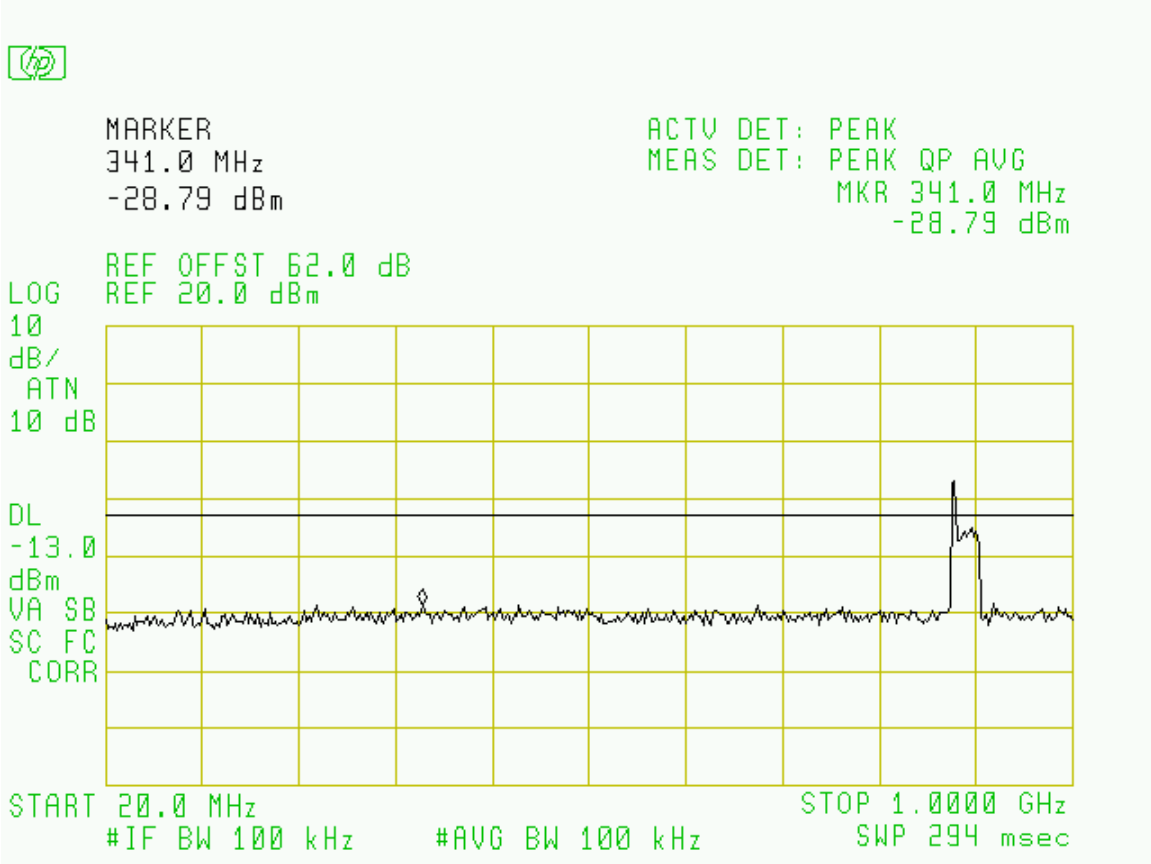
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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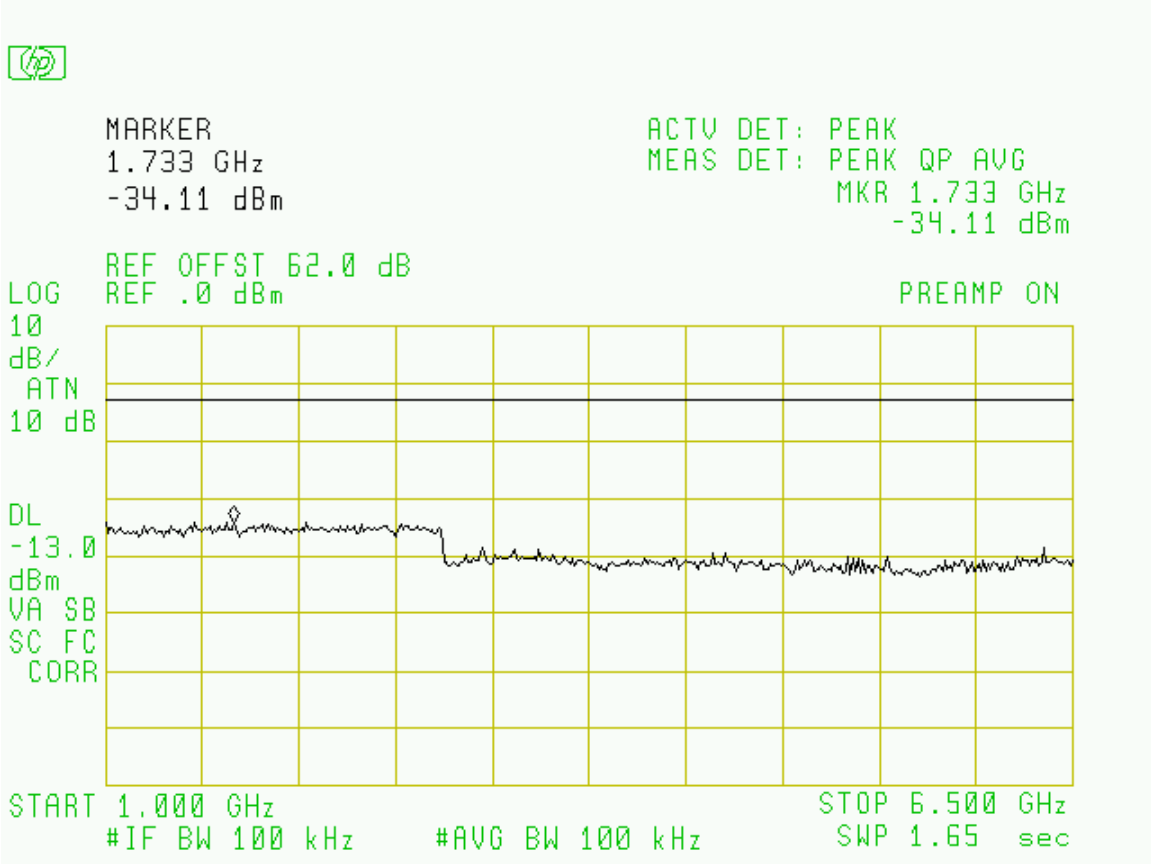
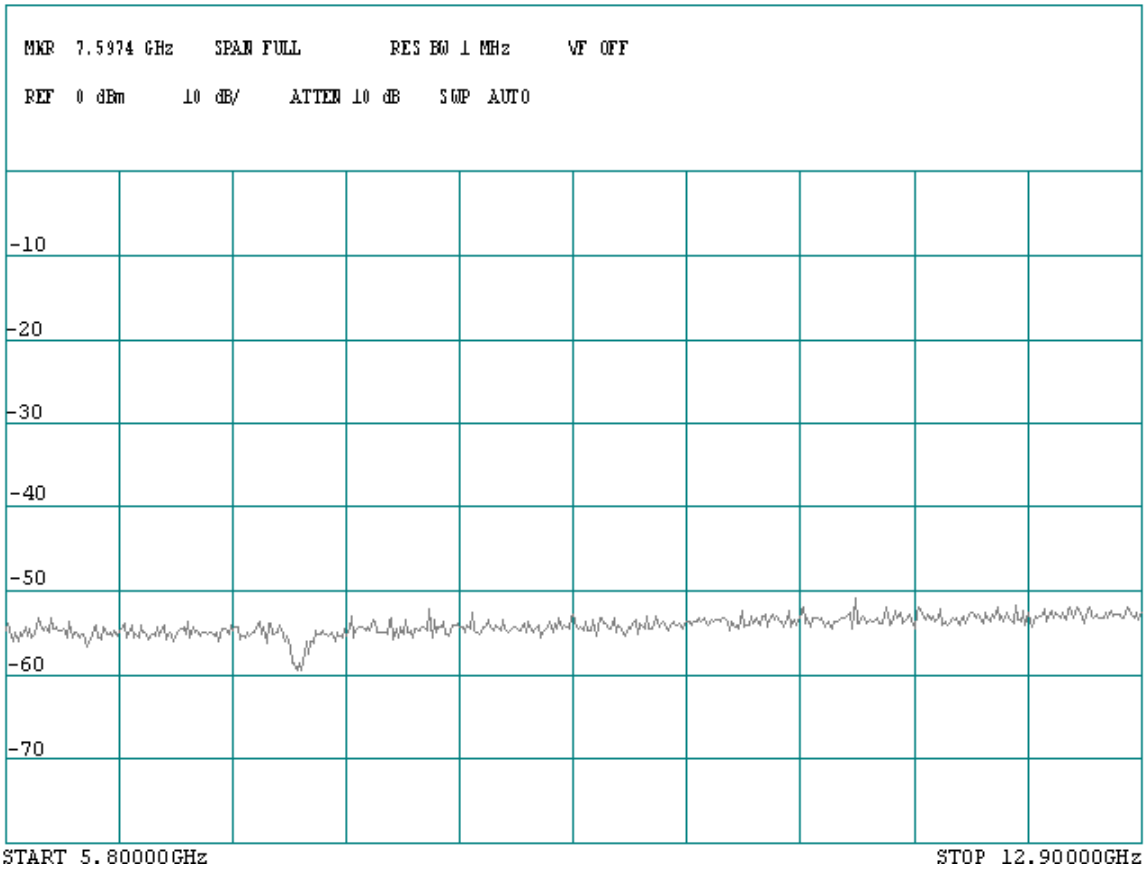
Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



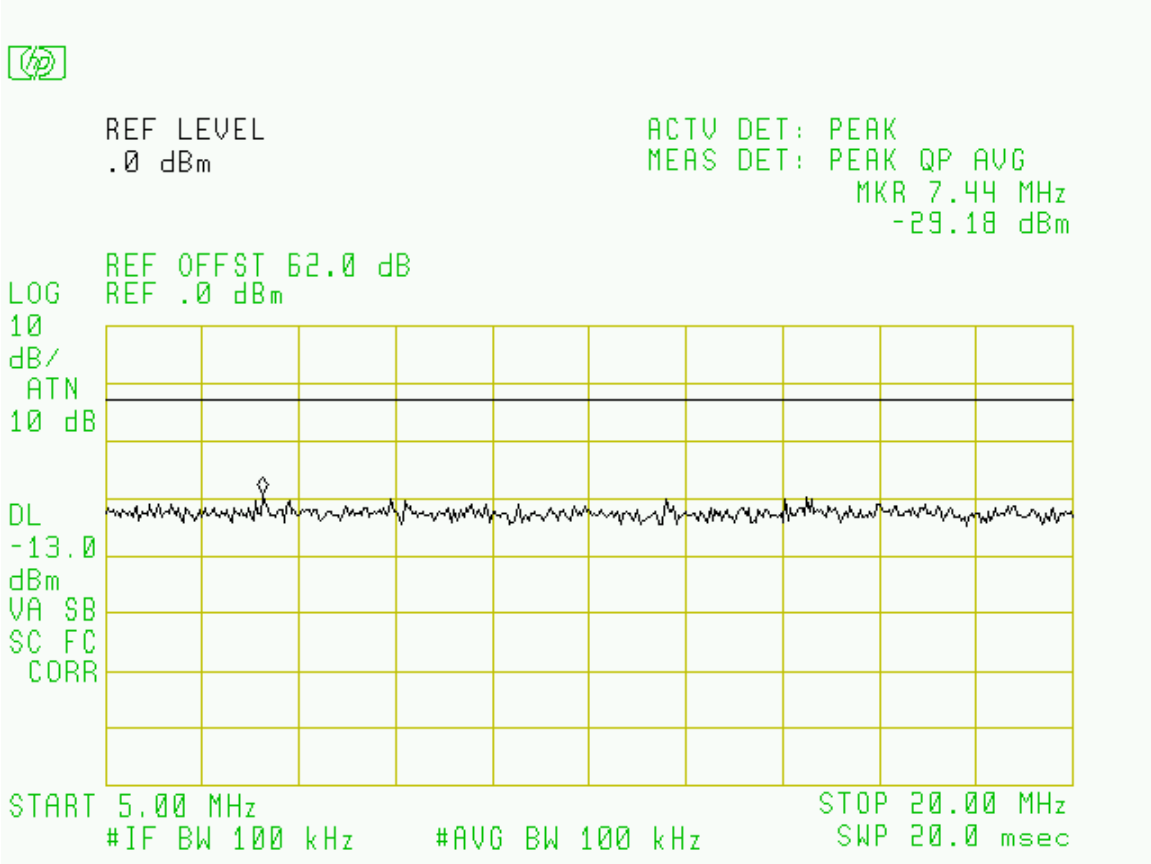
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



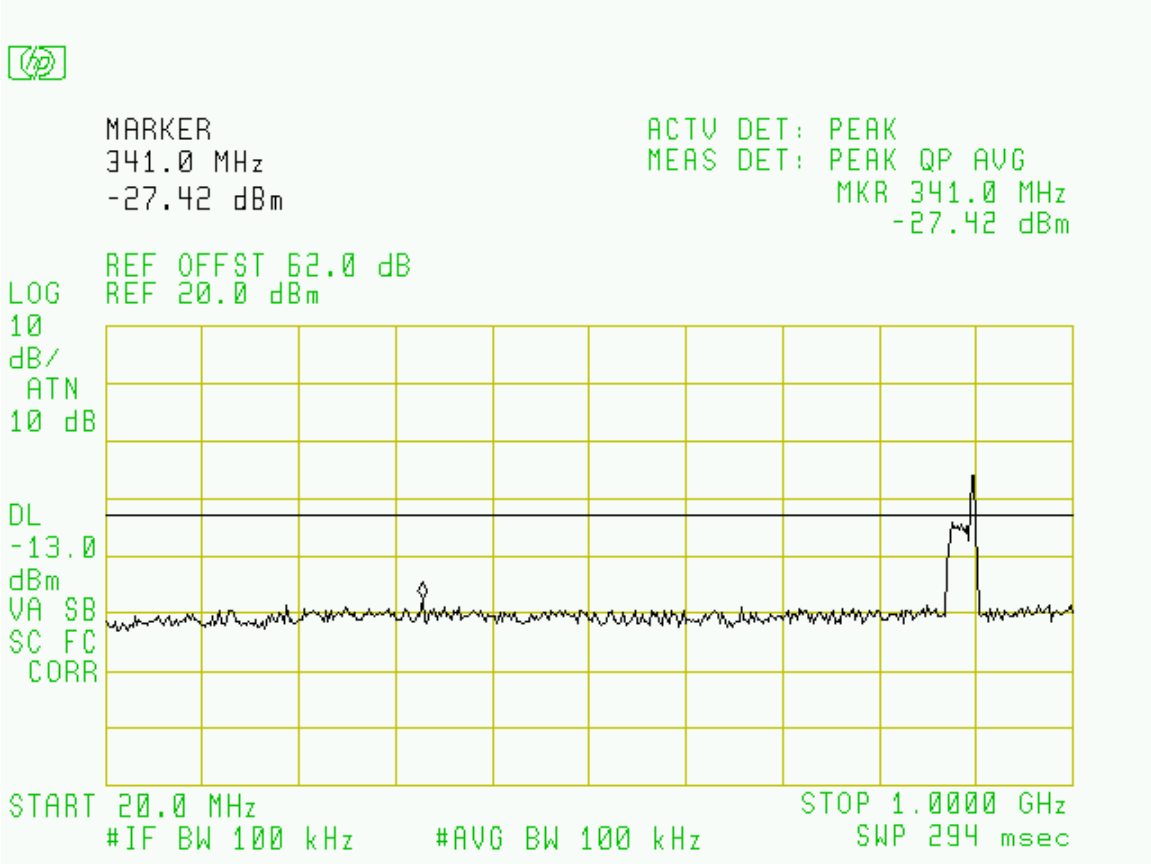
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



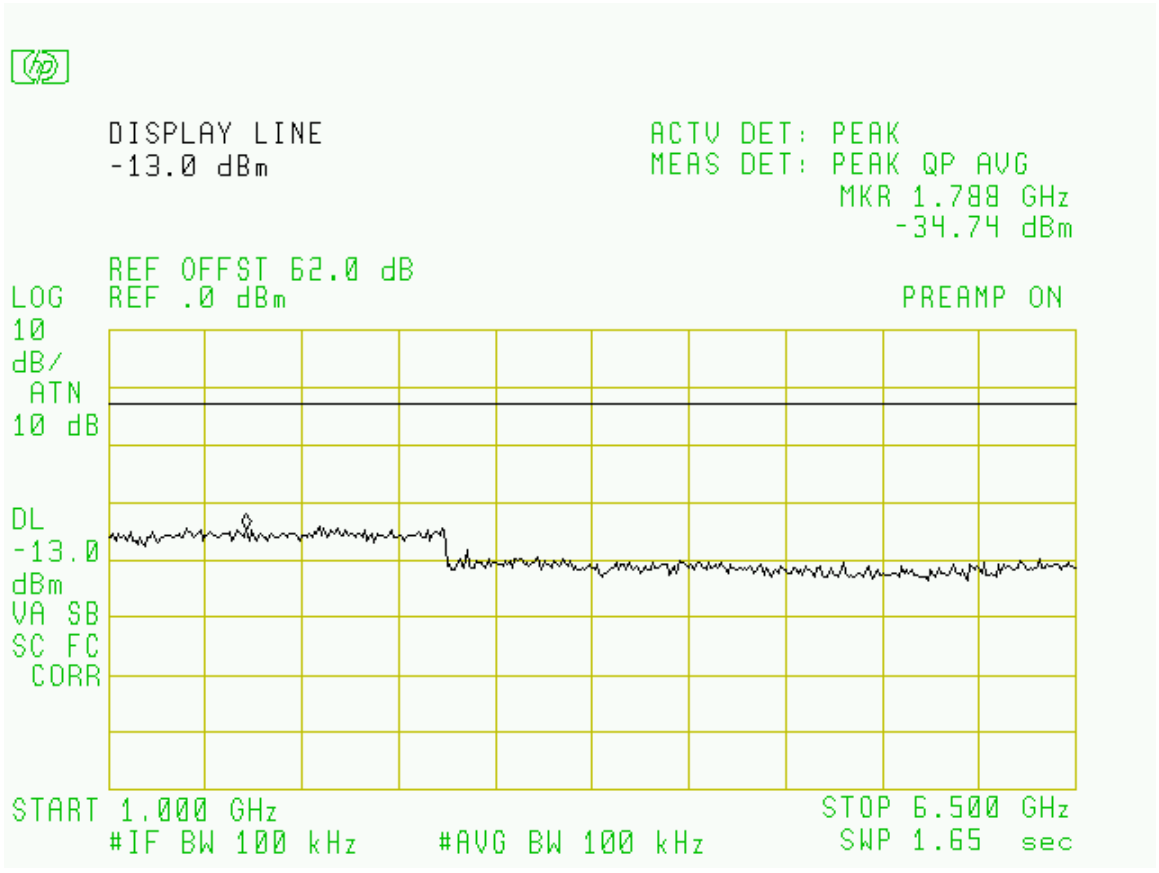
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



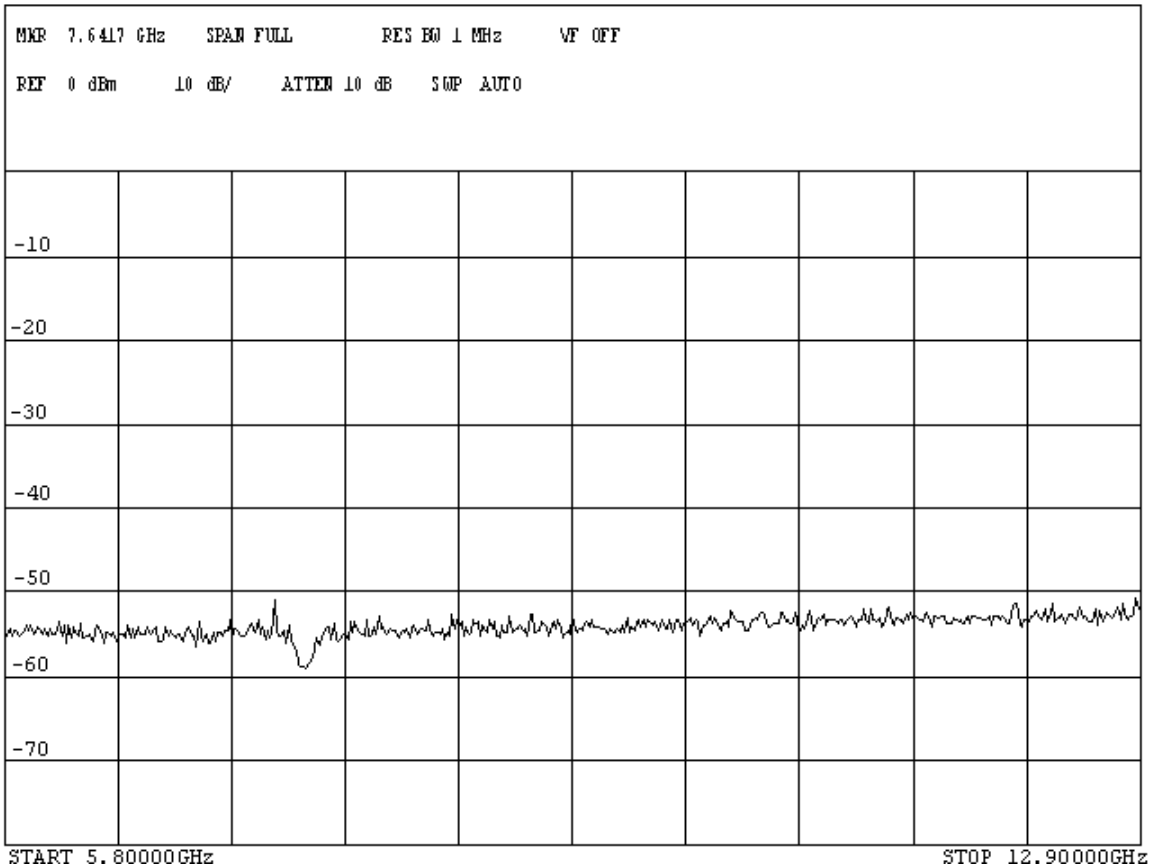
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



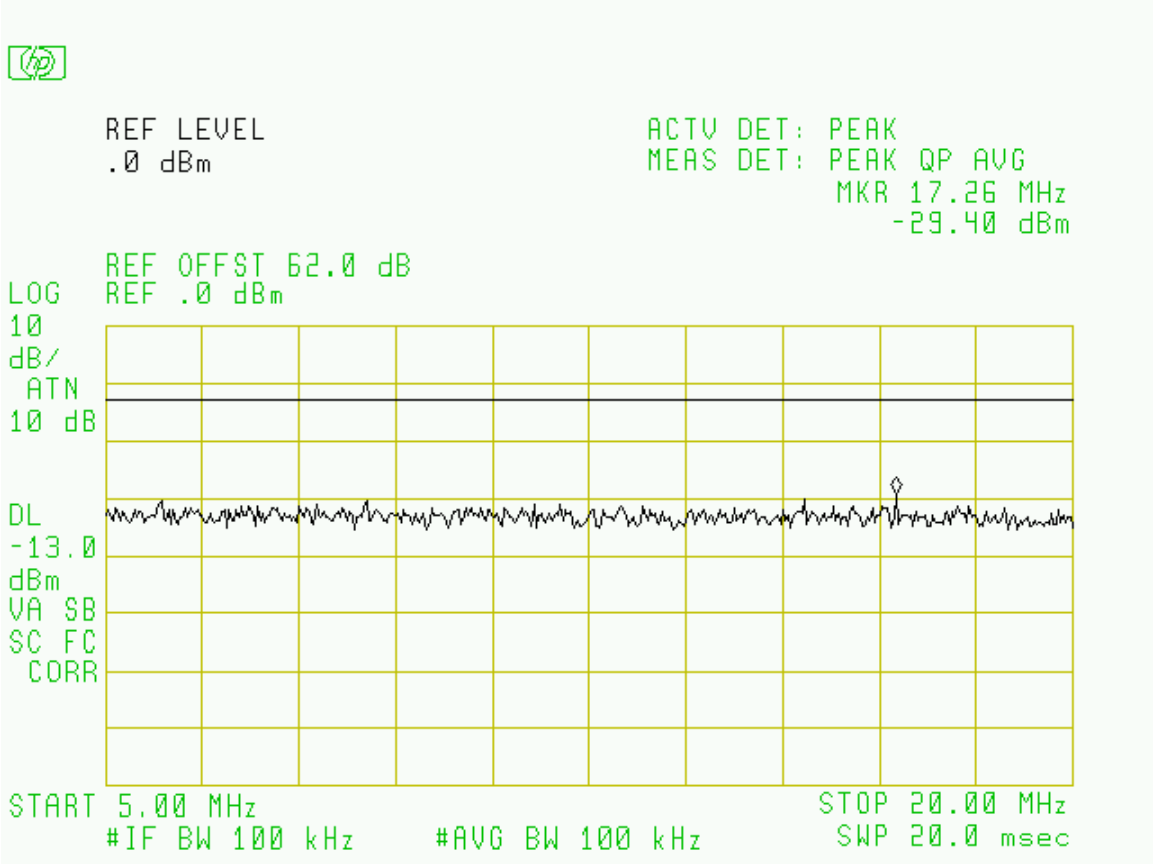
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



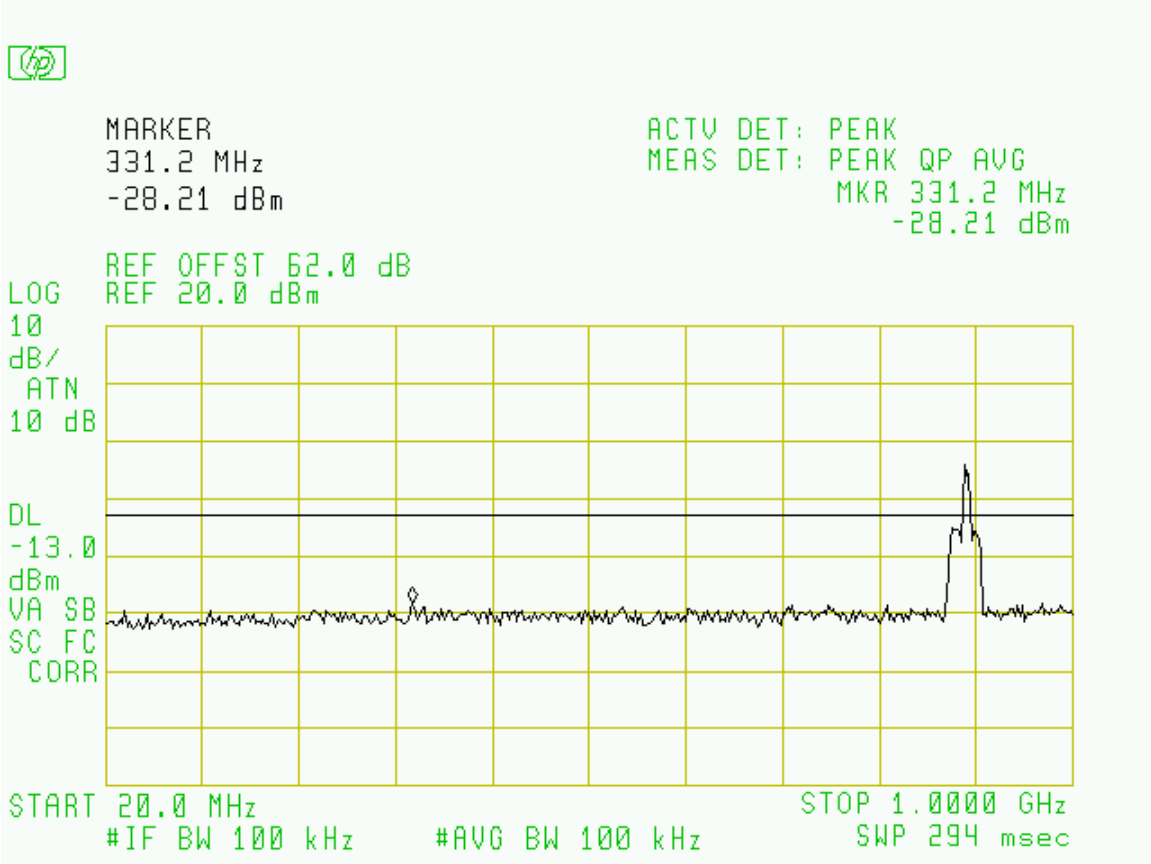
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



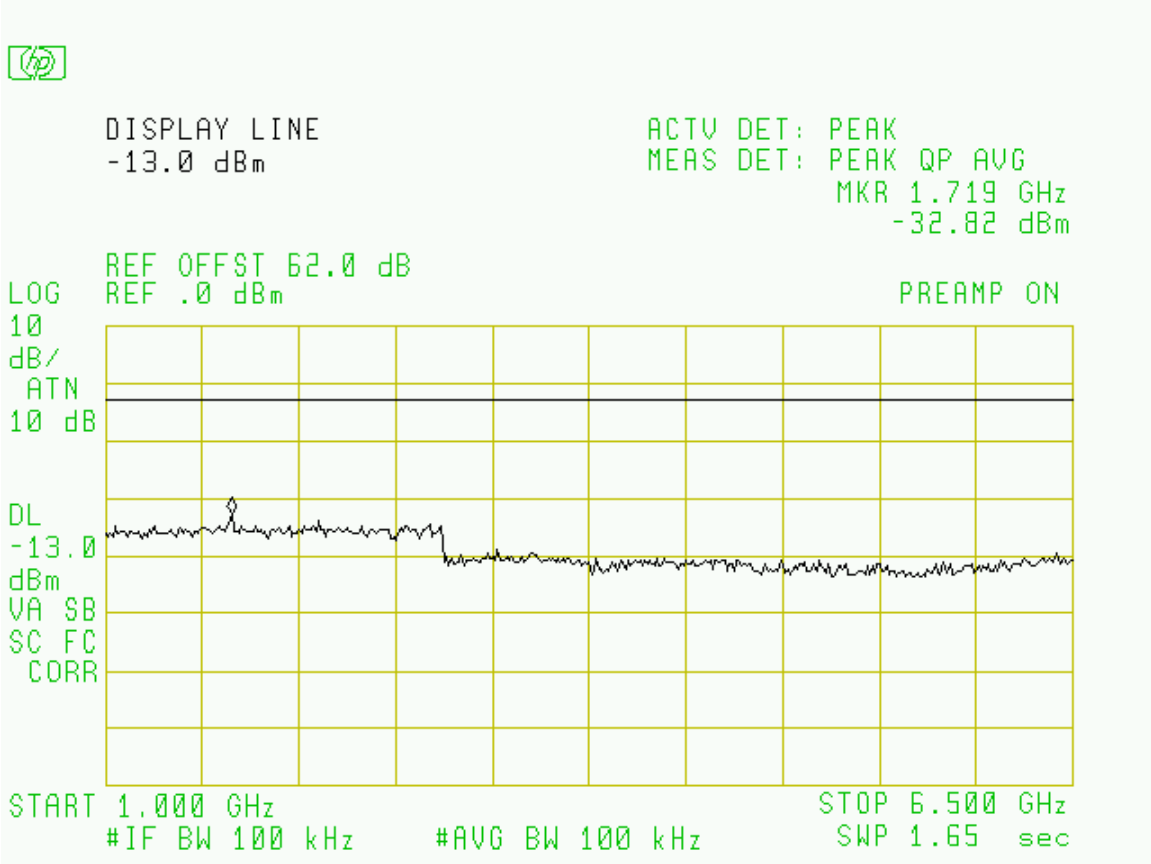
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



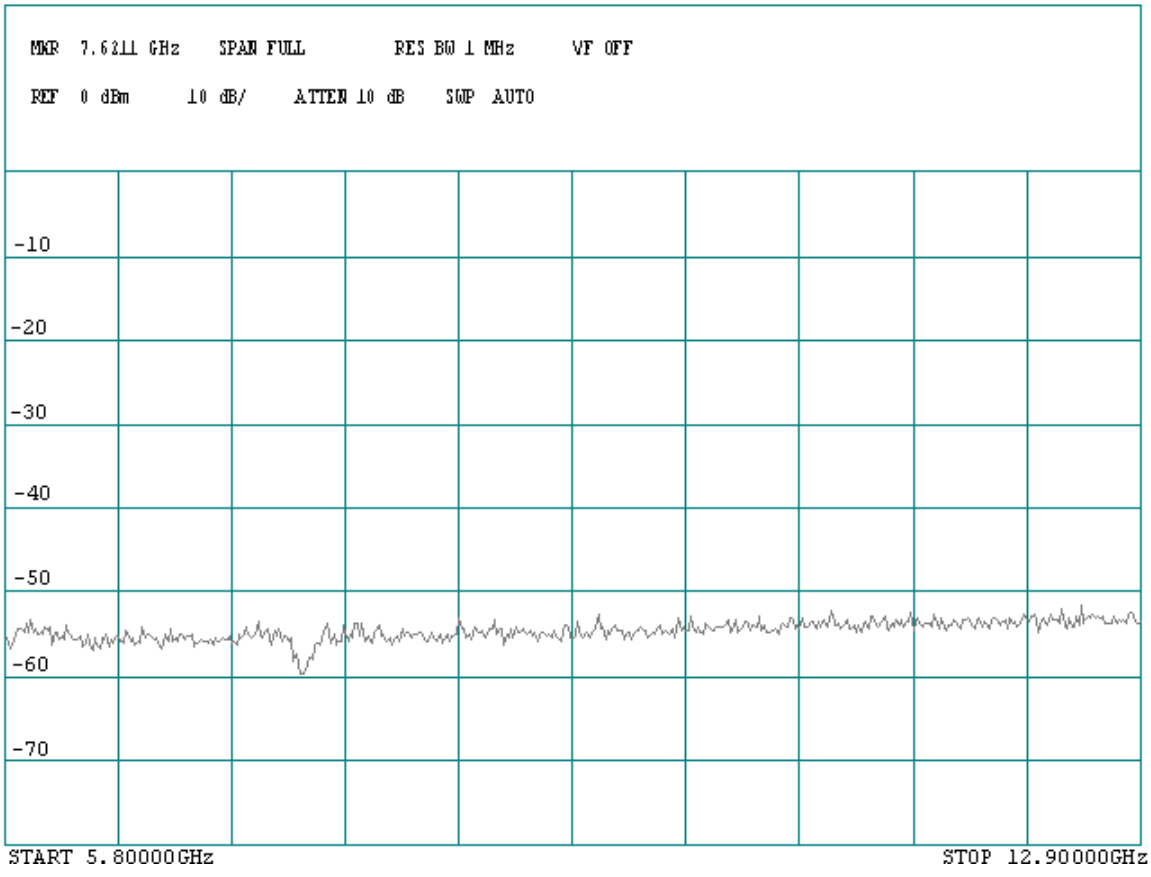
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



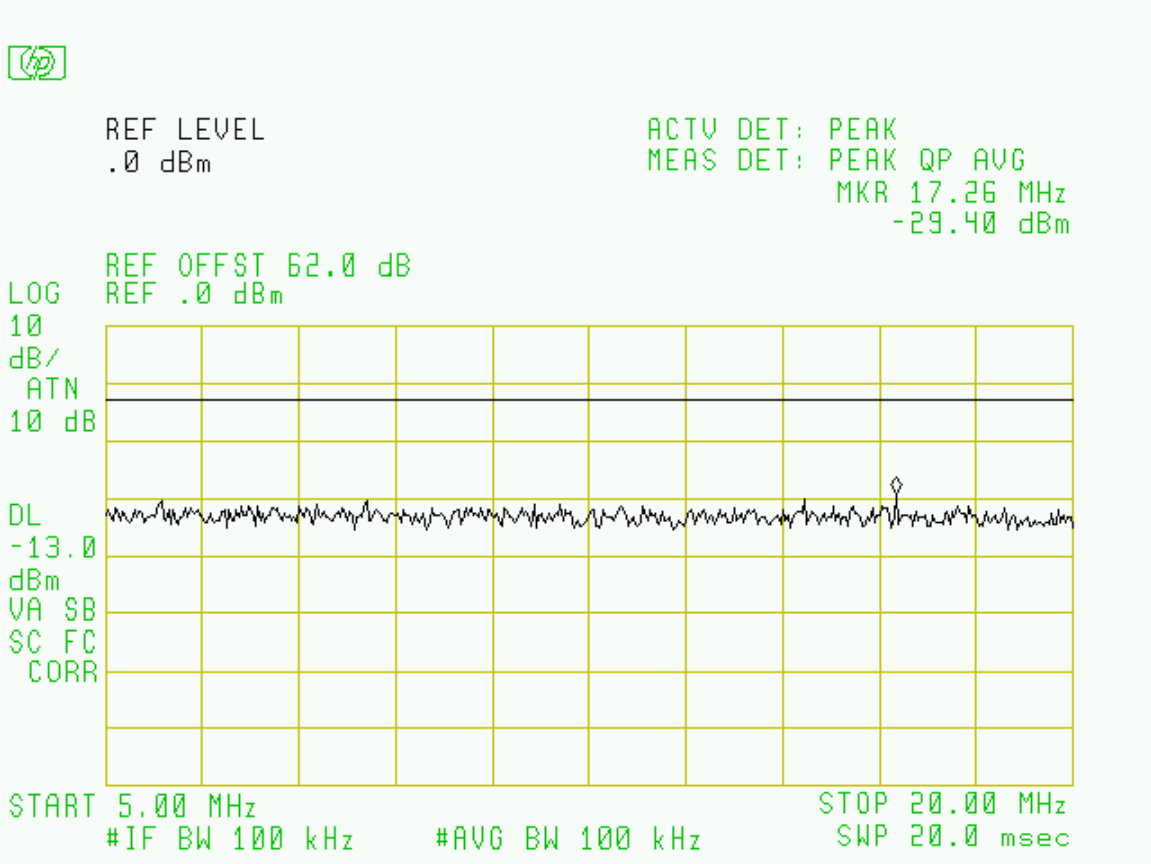
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



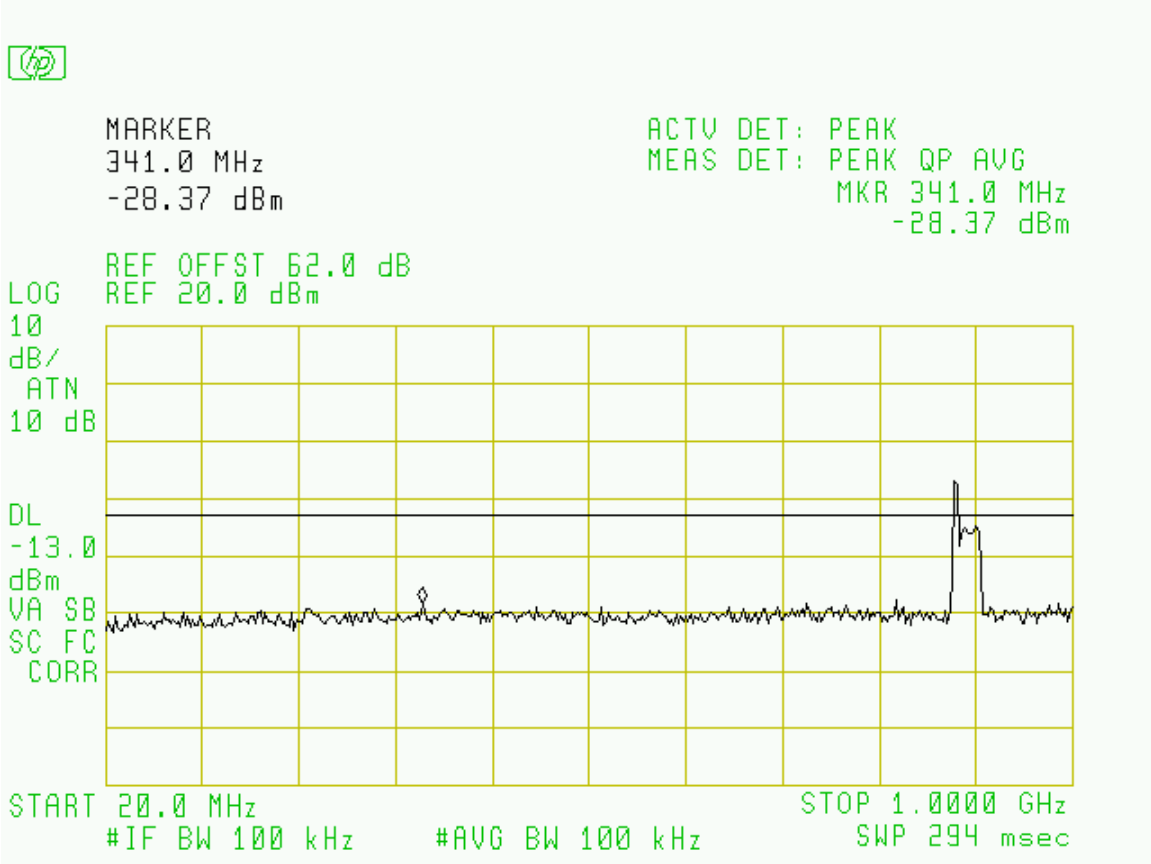
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



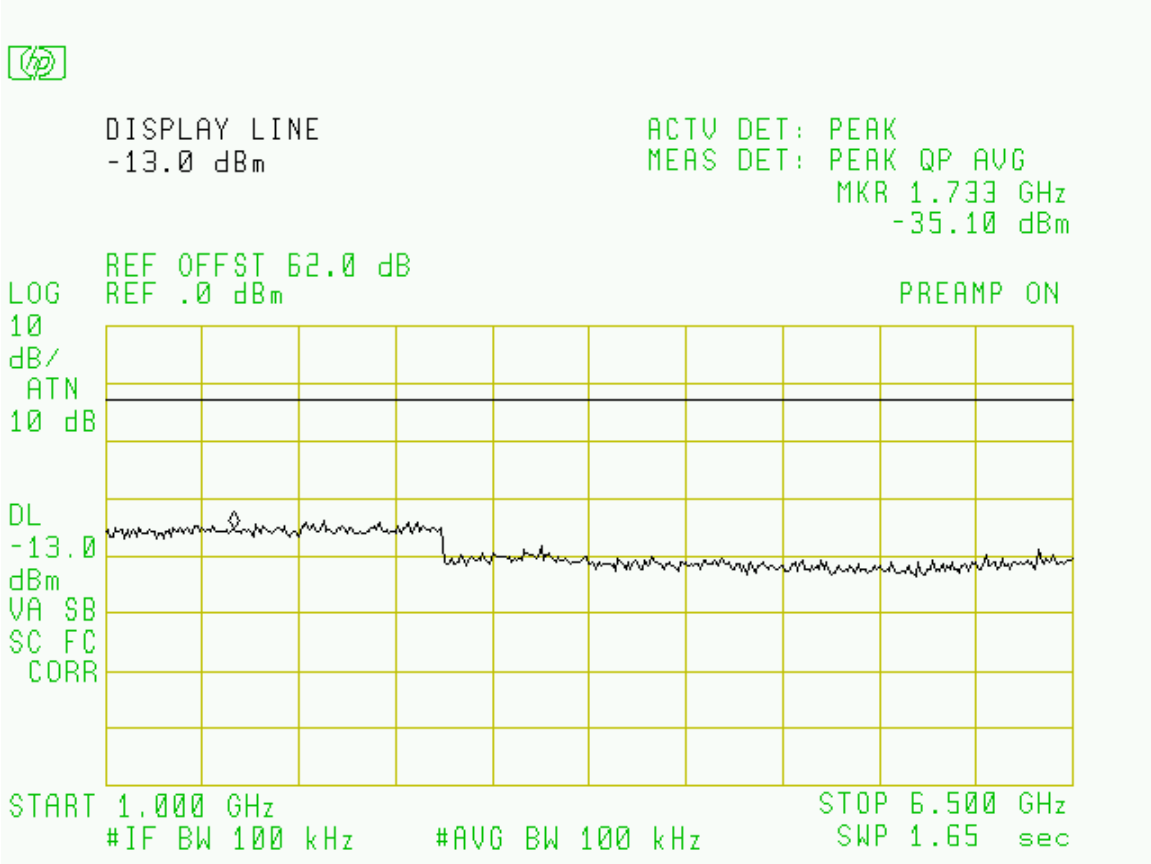
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



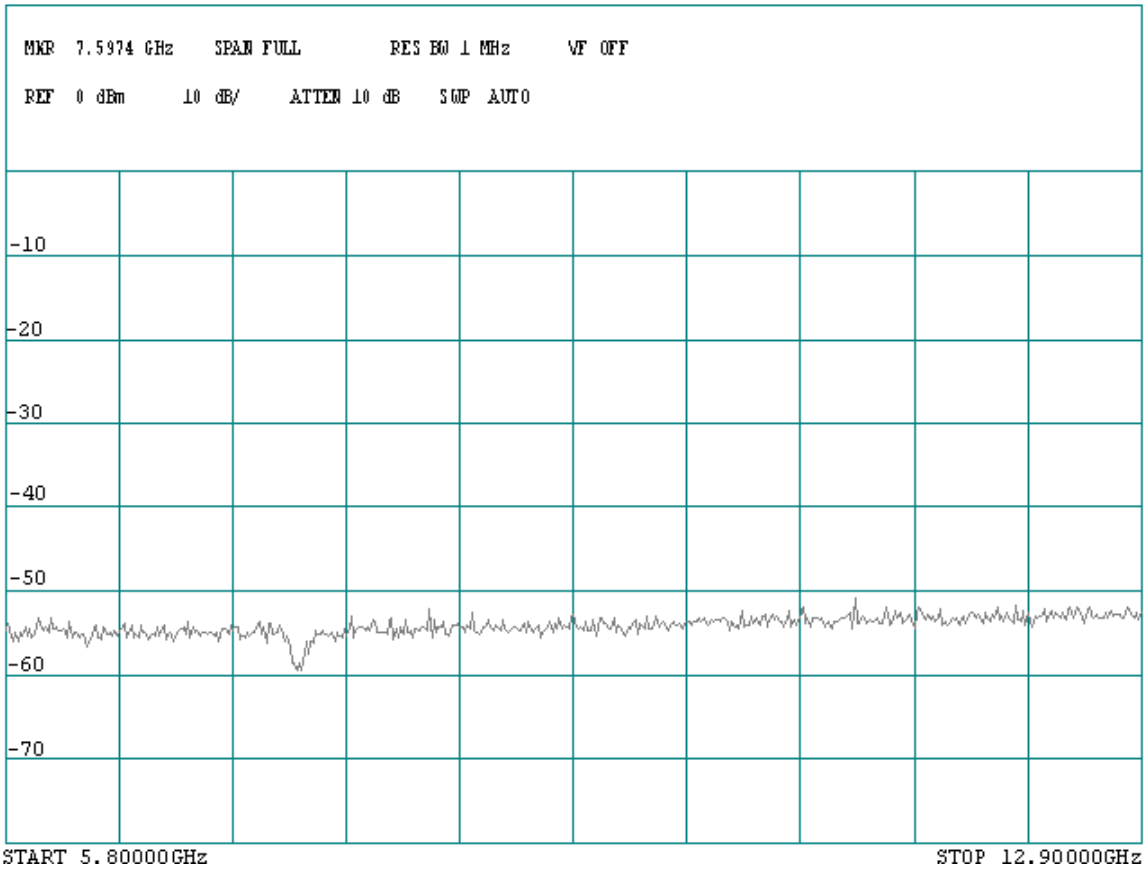
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT * 2nd Harmonic Average Reading =-21.72dBm



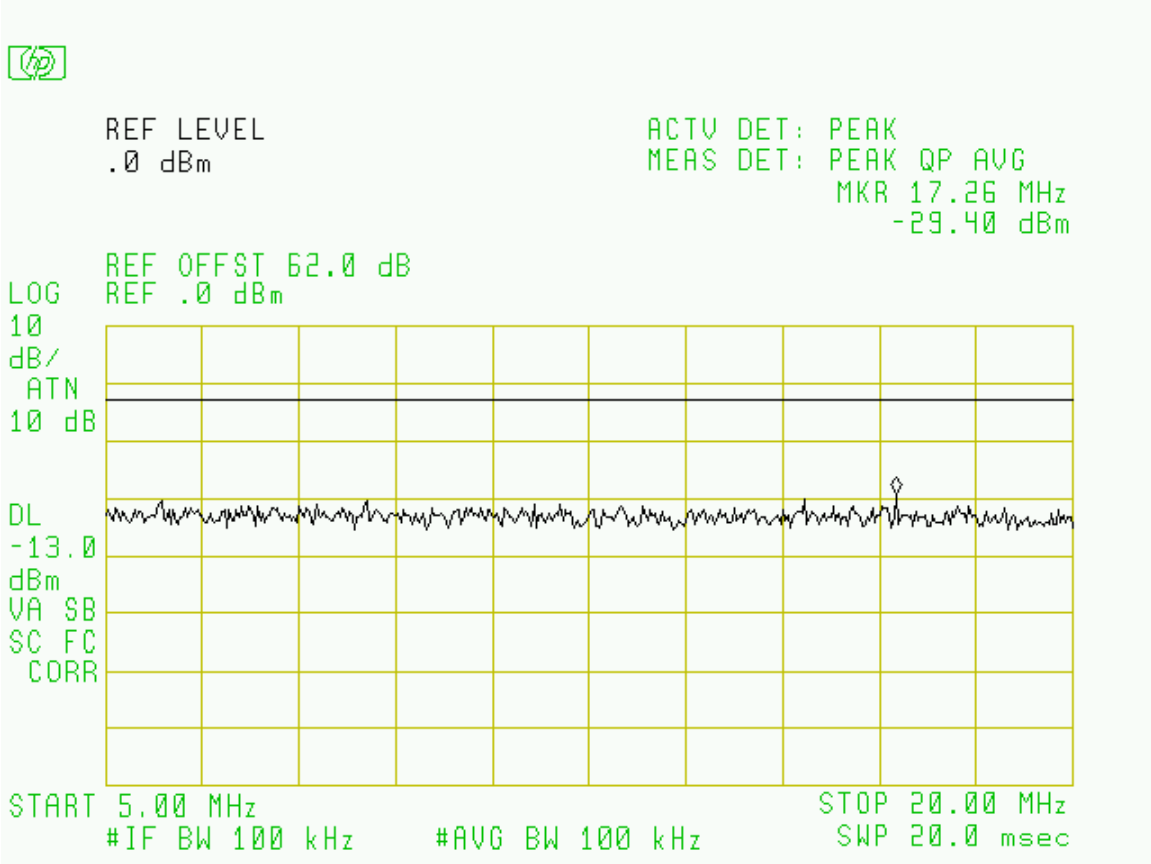
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



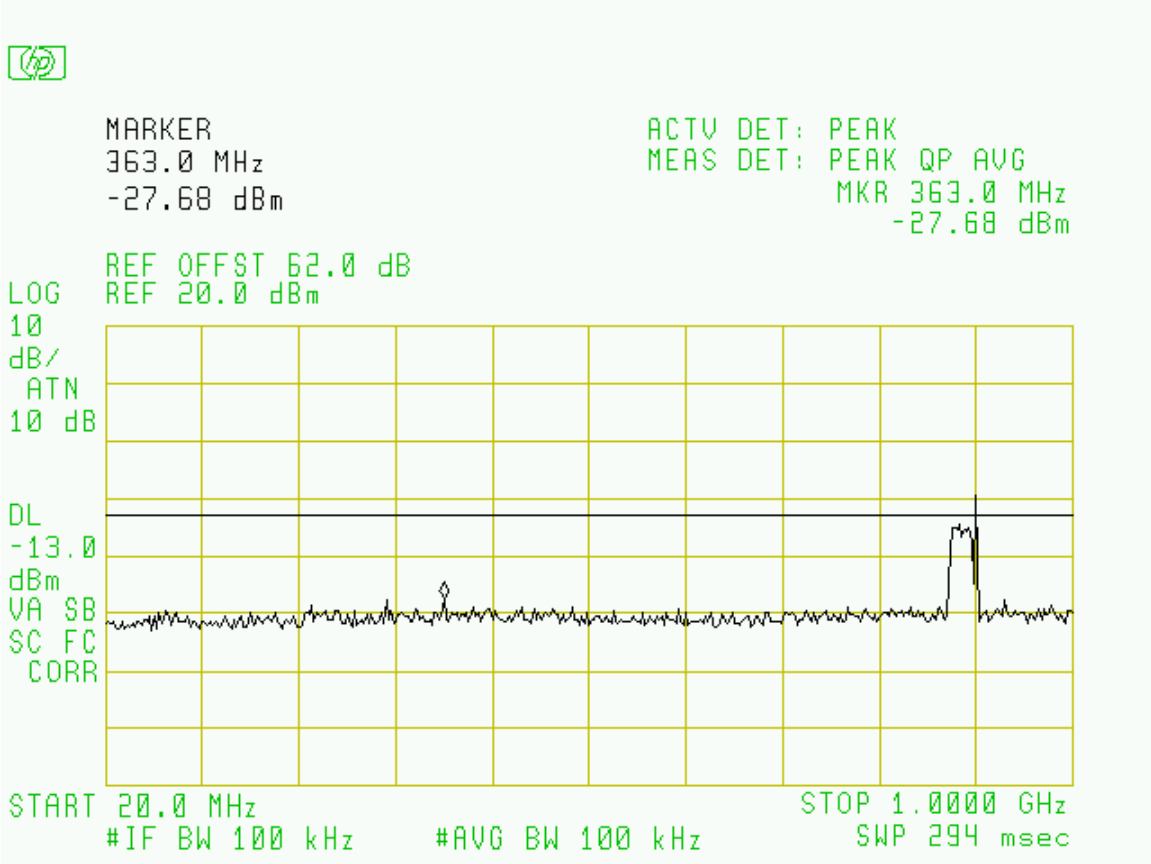
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



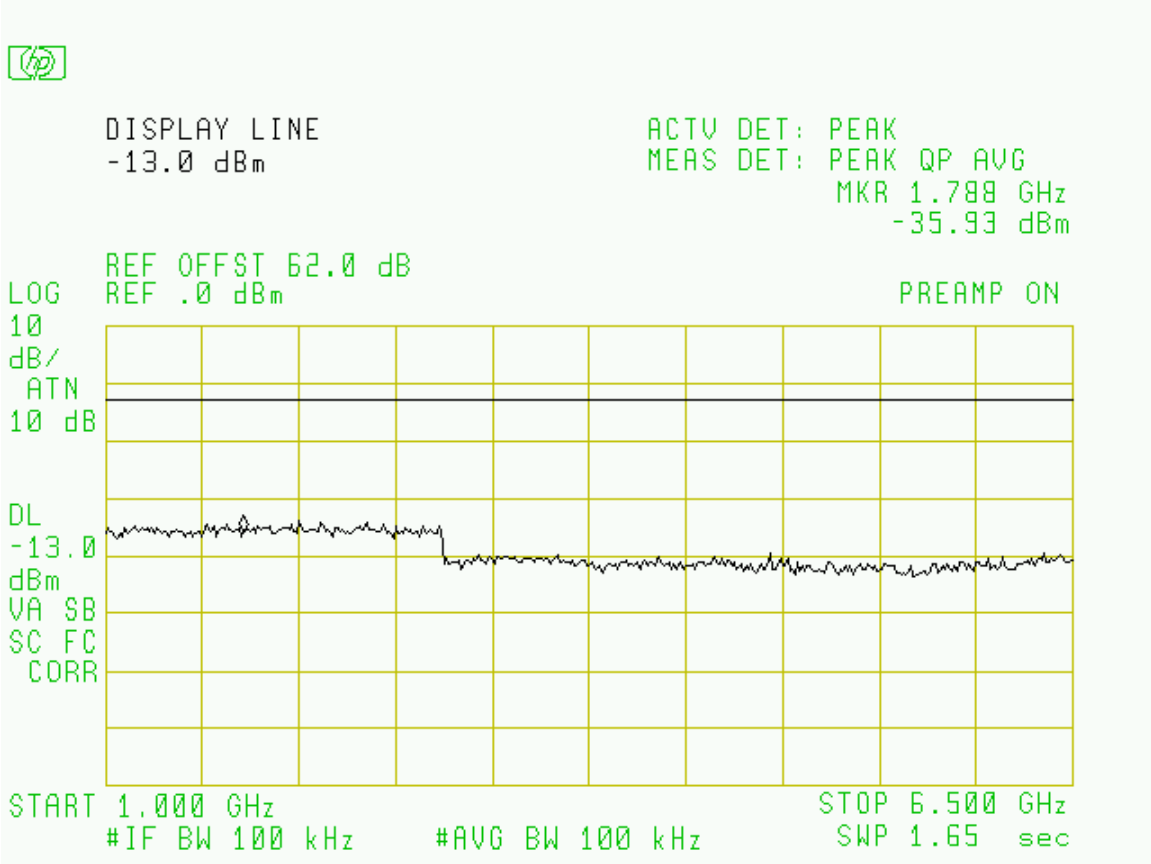
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



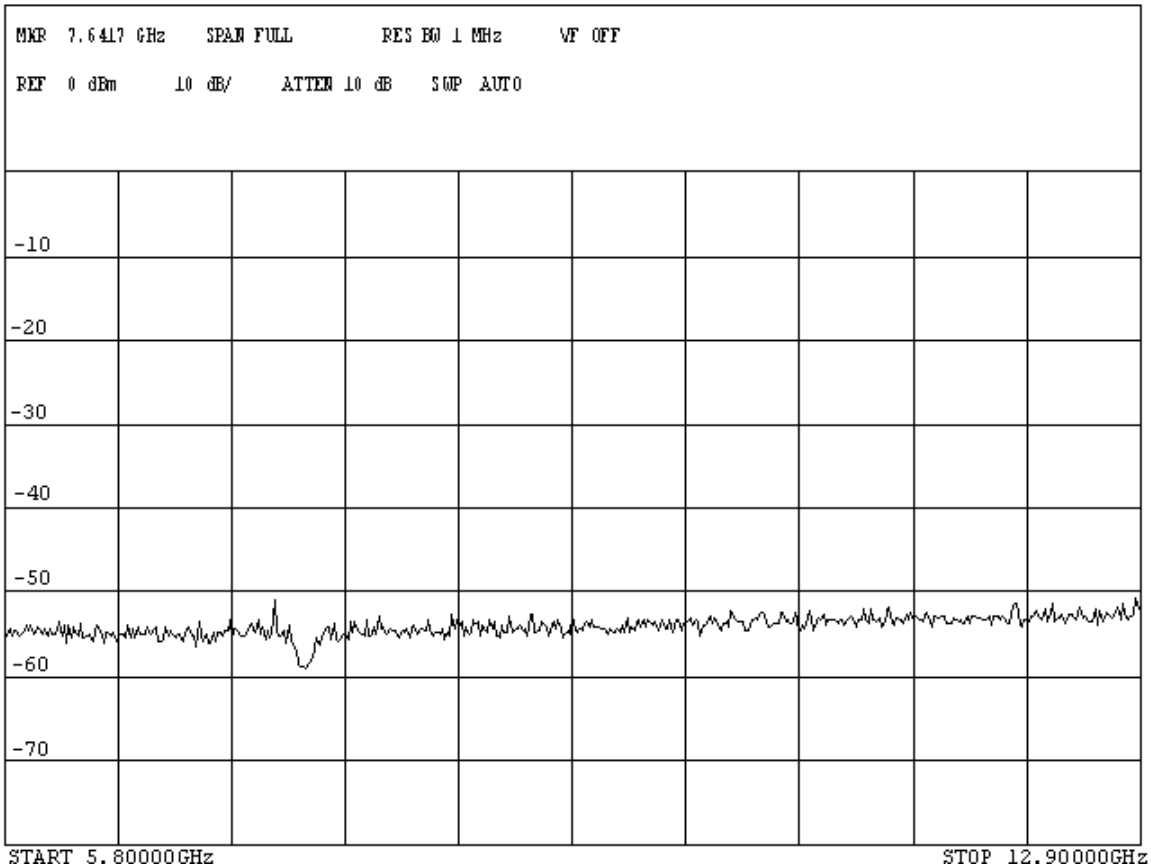
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



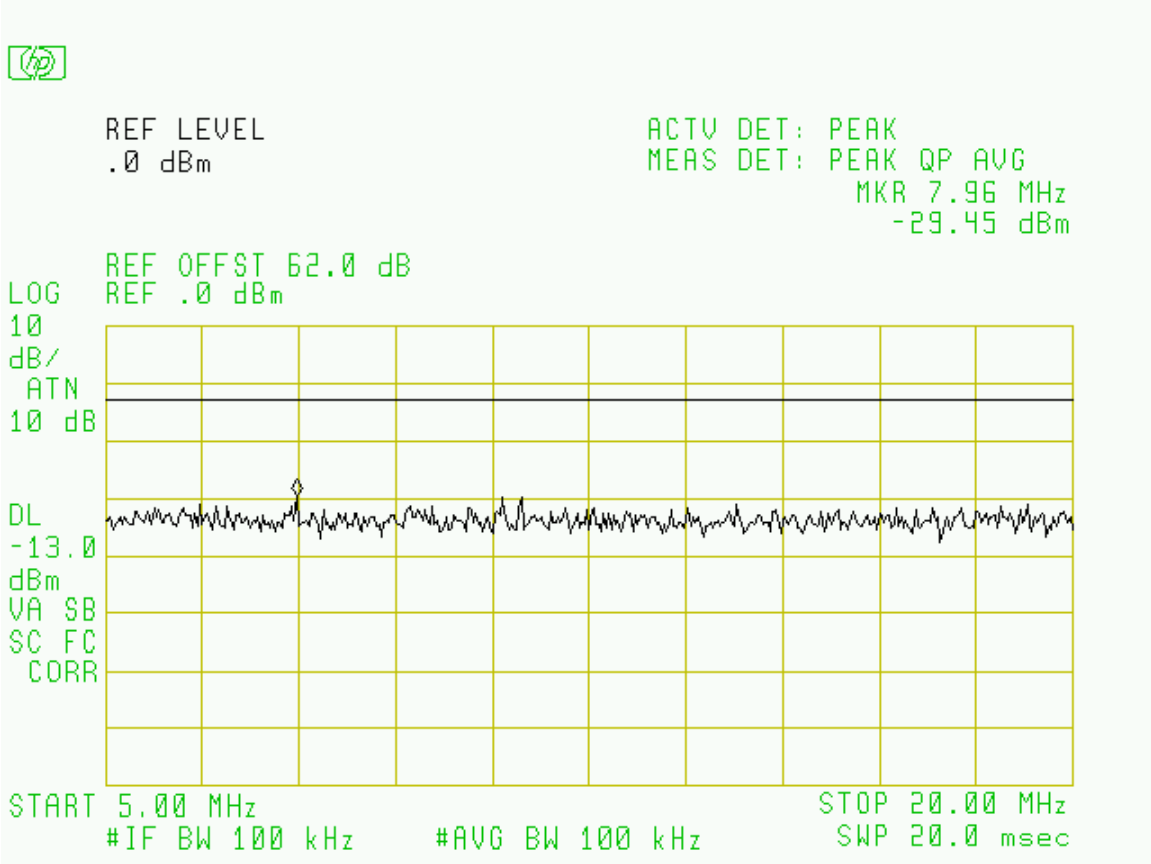
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



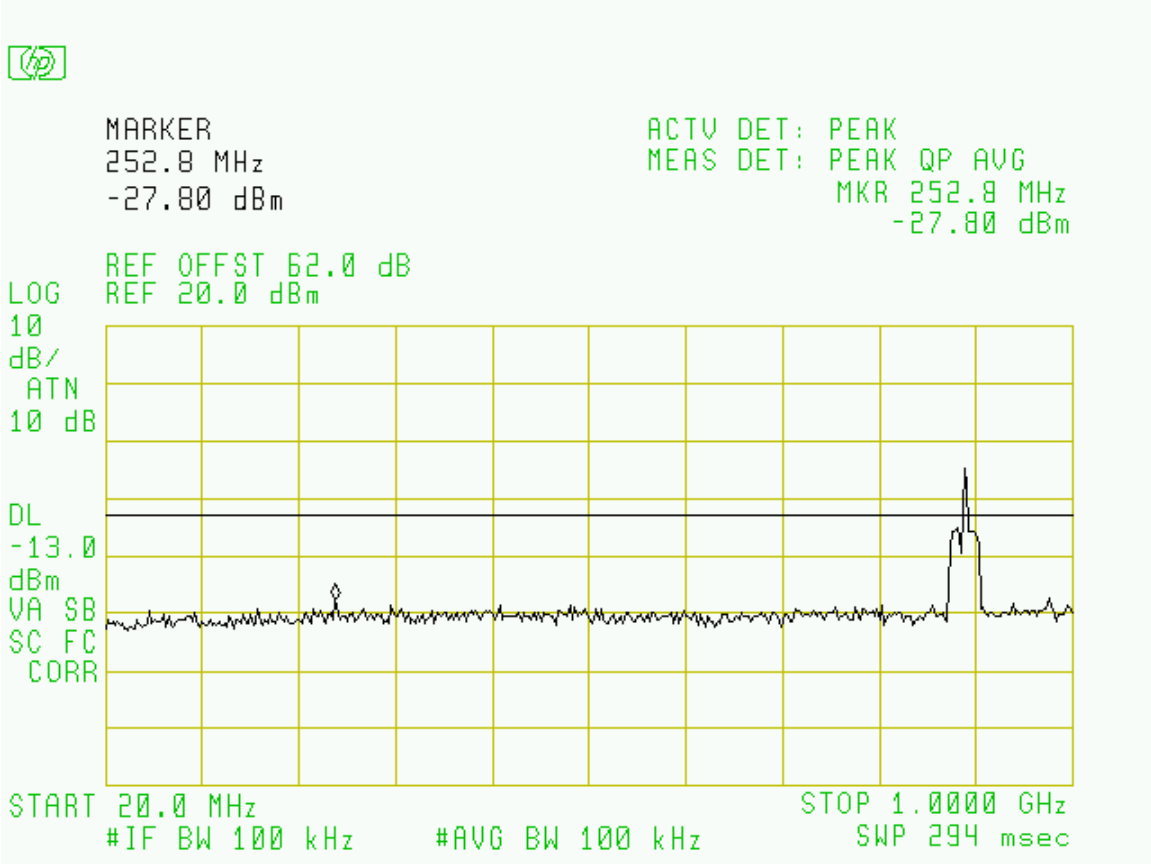
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



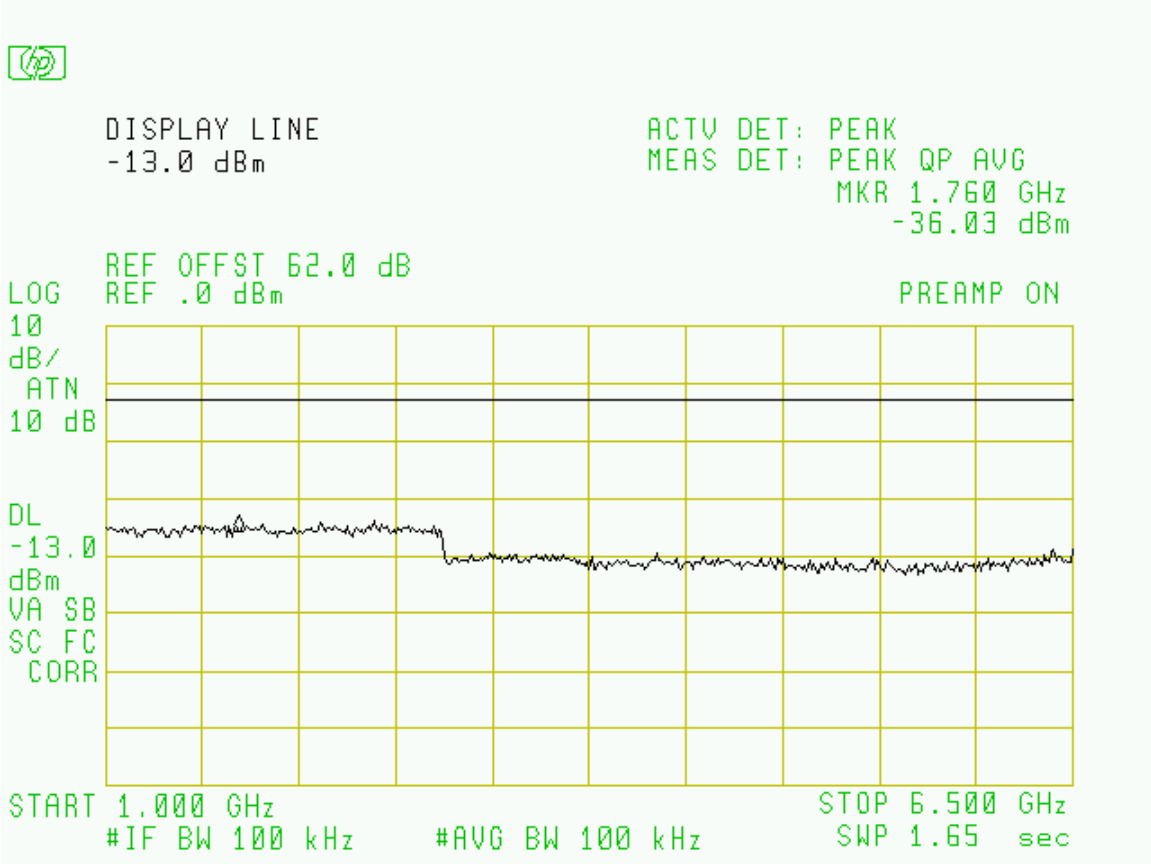
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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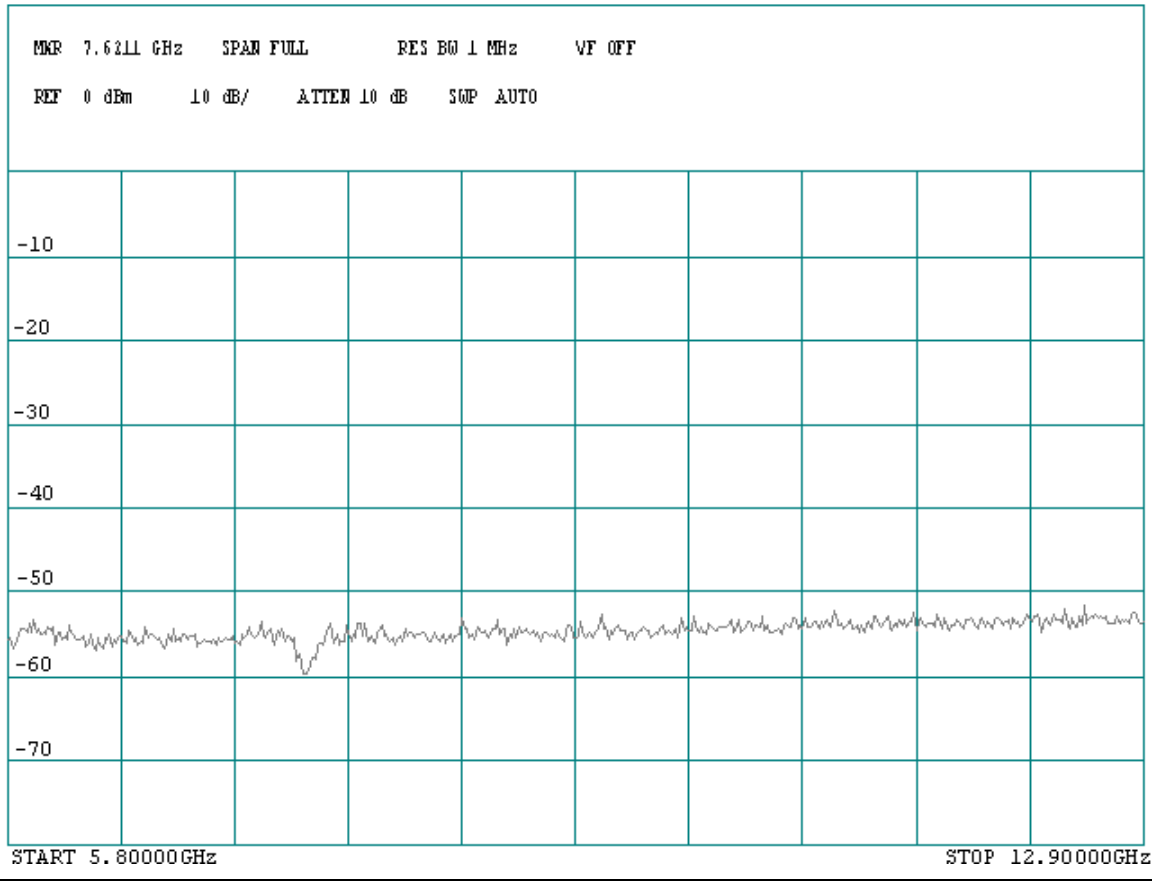
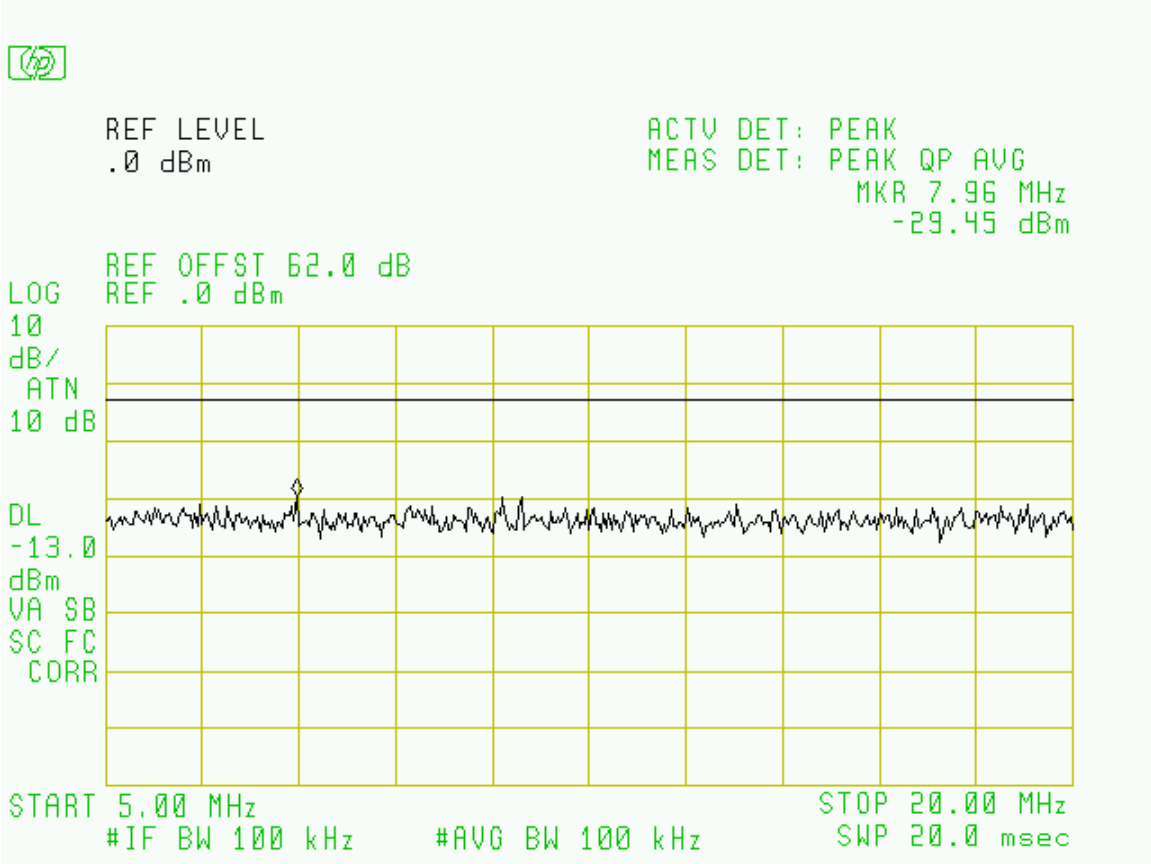
Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



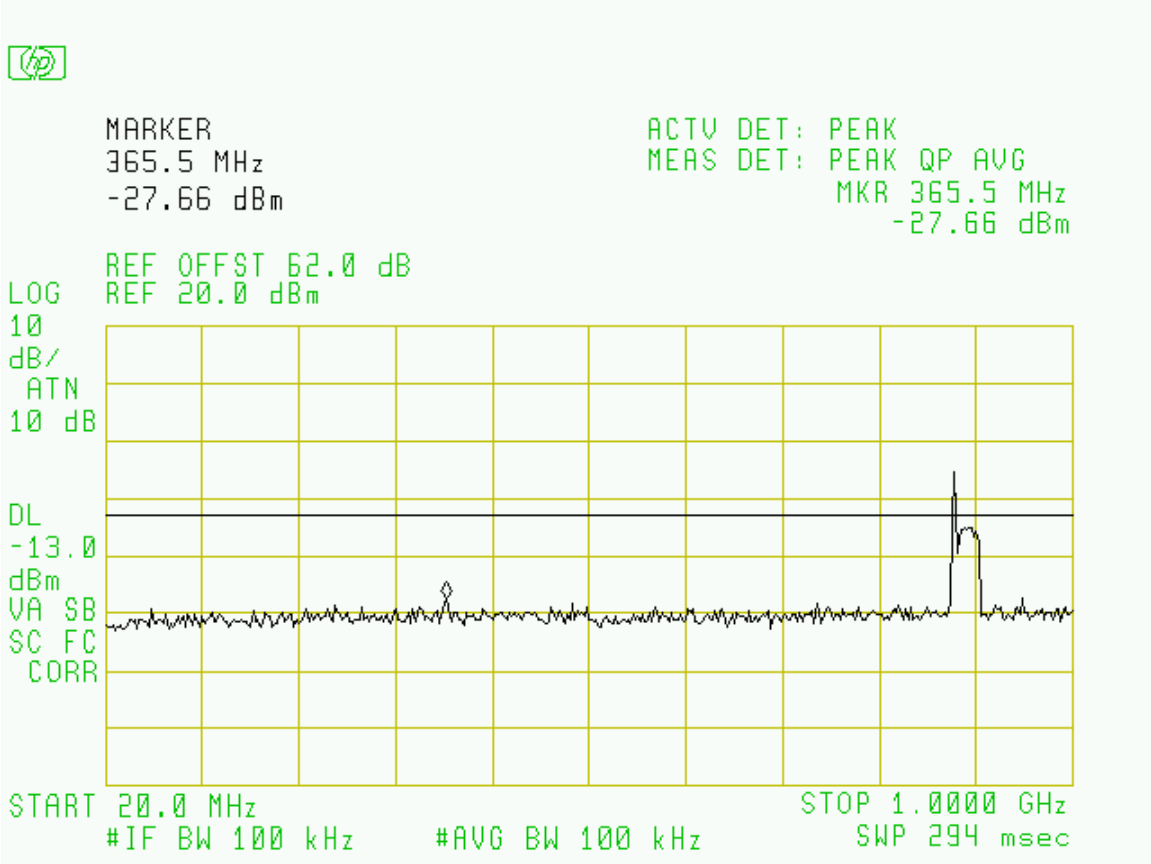
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



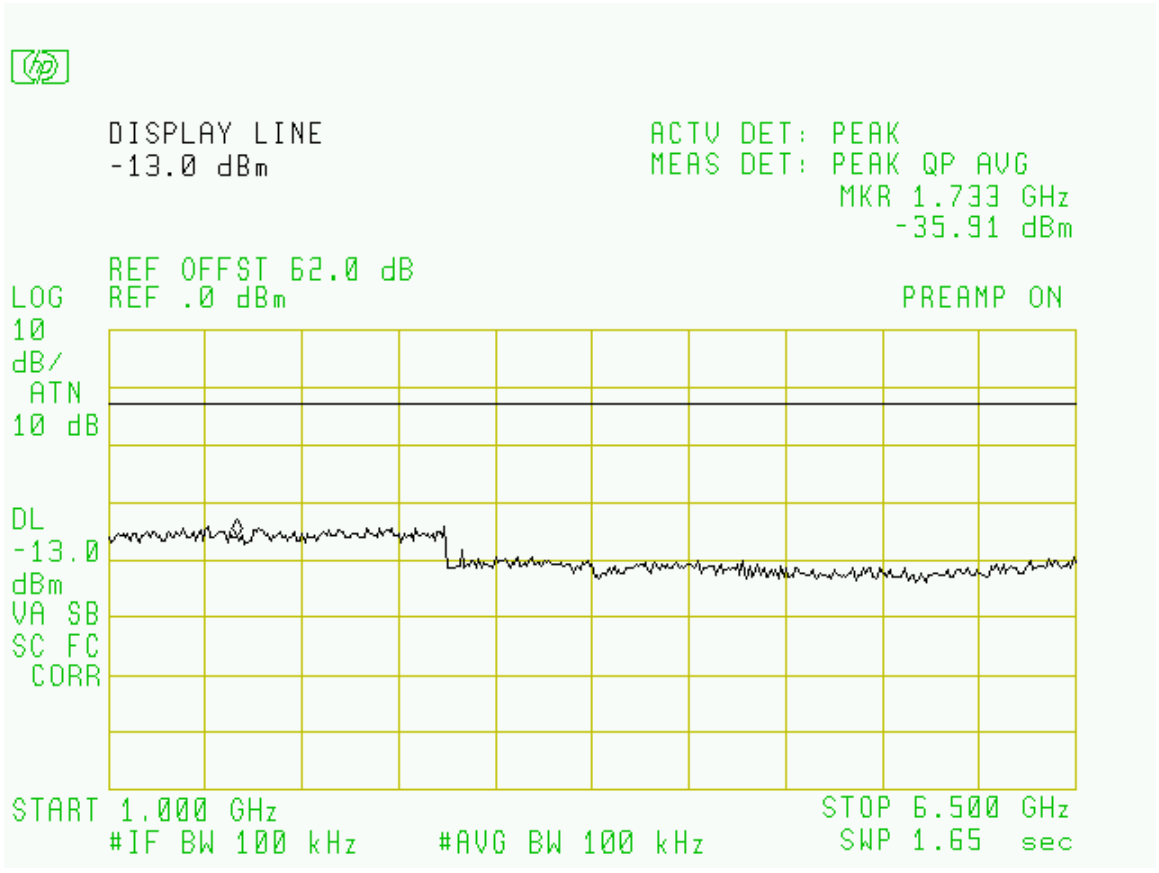
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



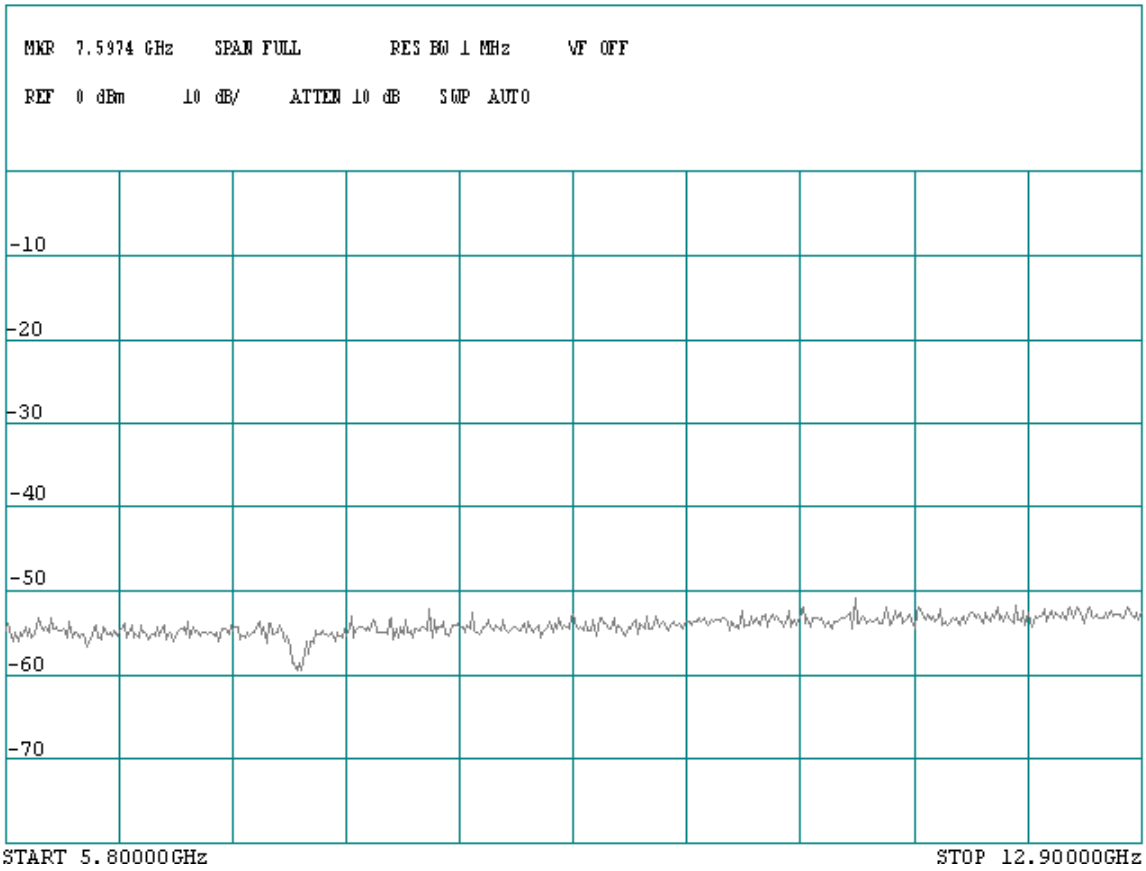
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT * 2nd Harmonic Average Reading =-21.72dBm



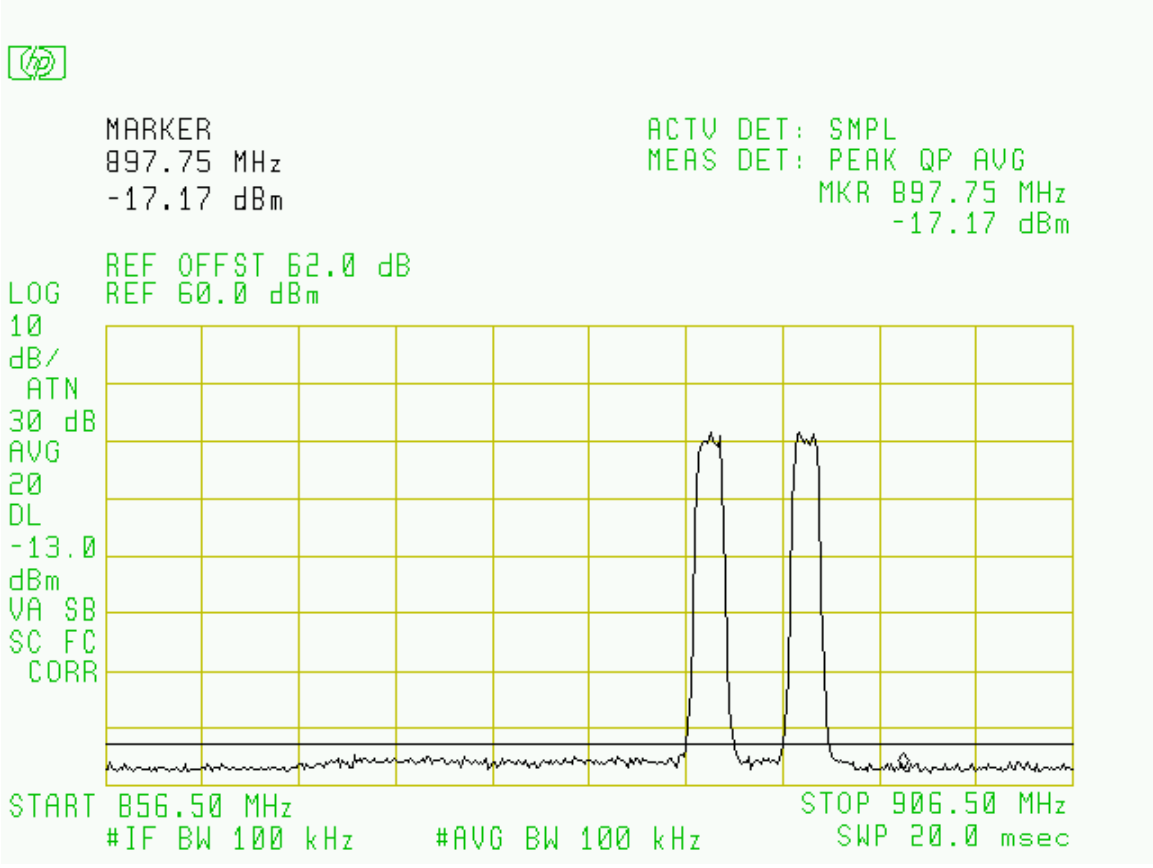
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



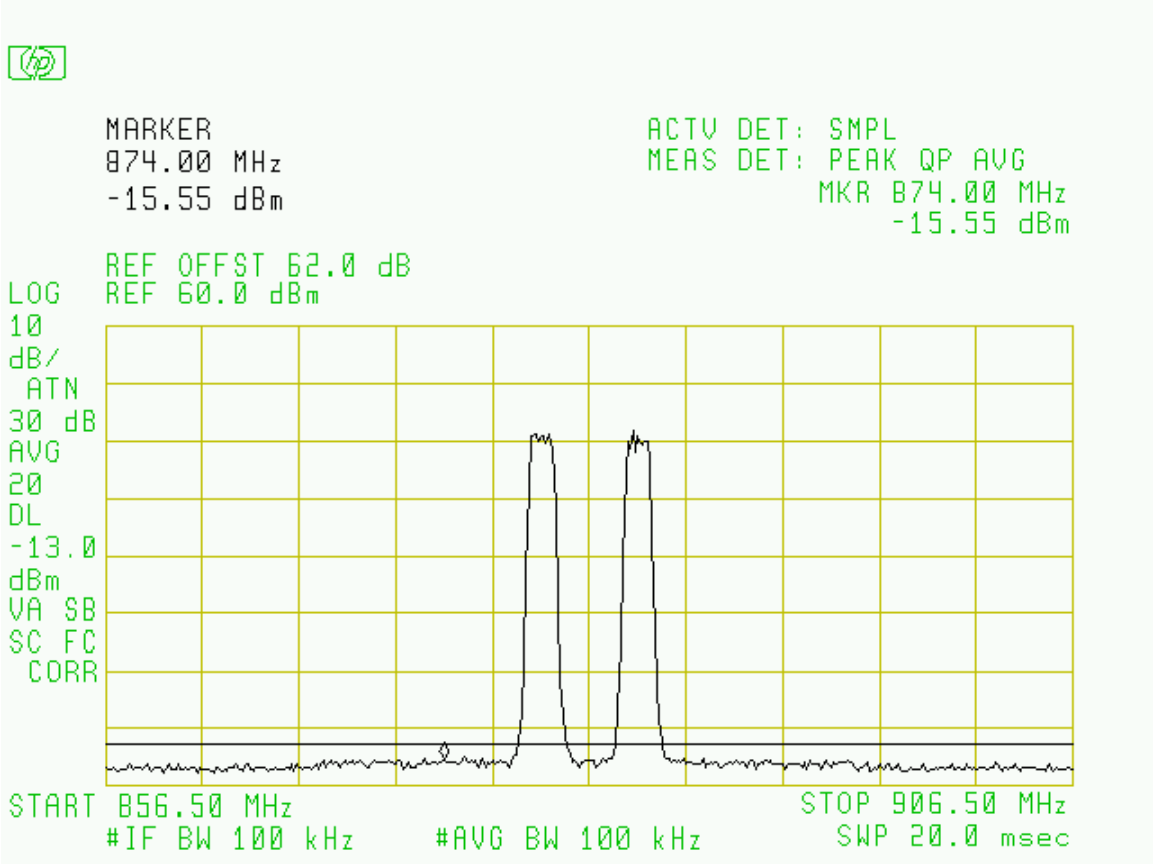
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



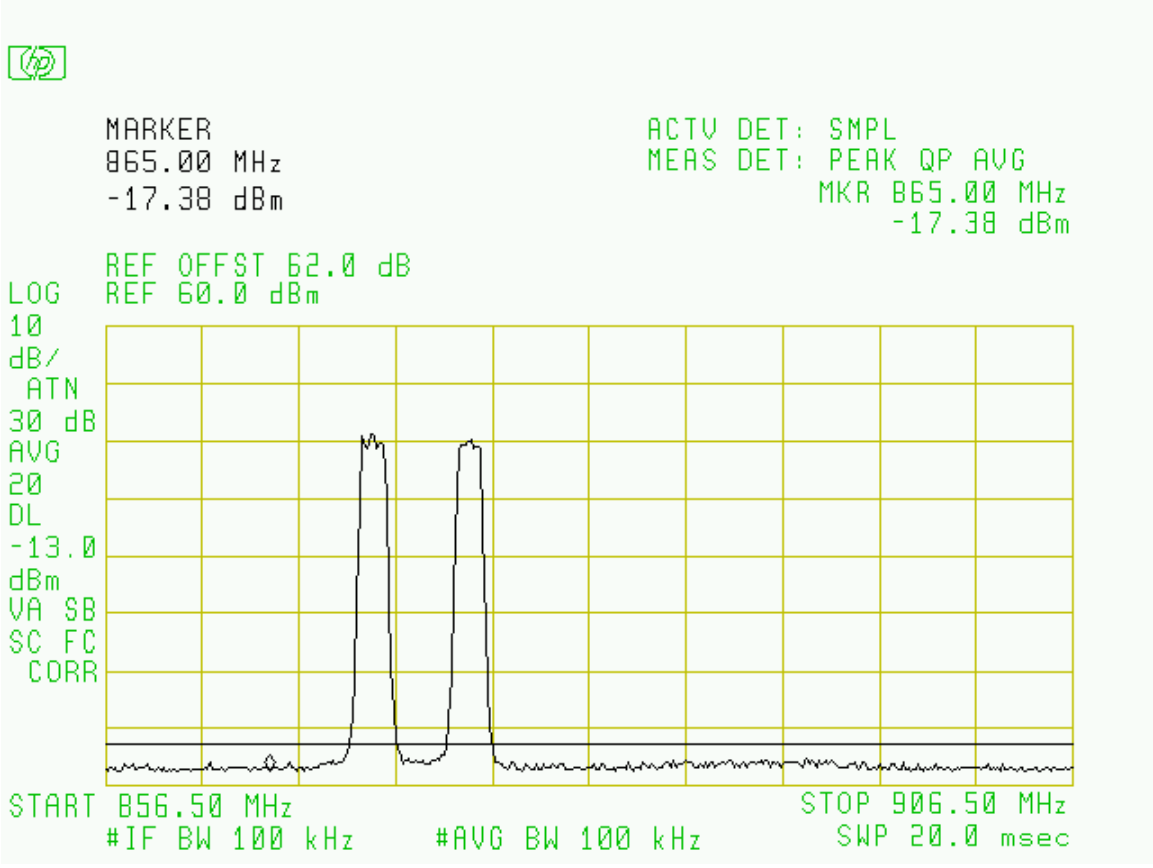
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Inter-modulation, M Ch**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



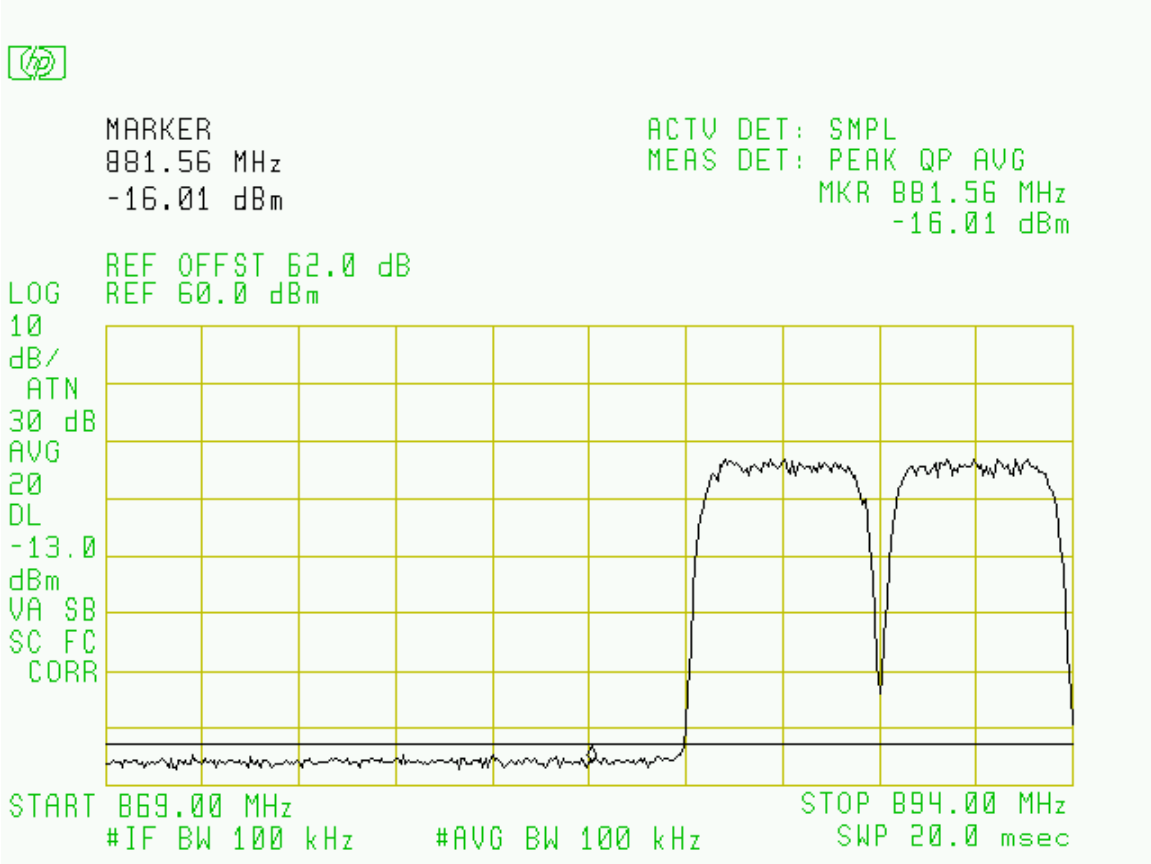
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



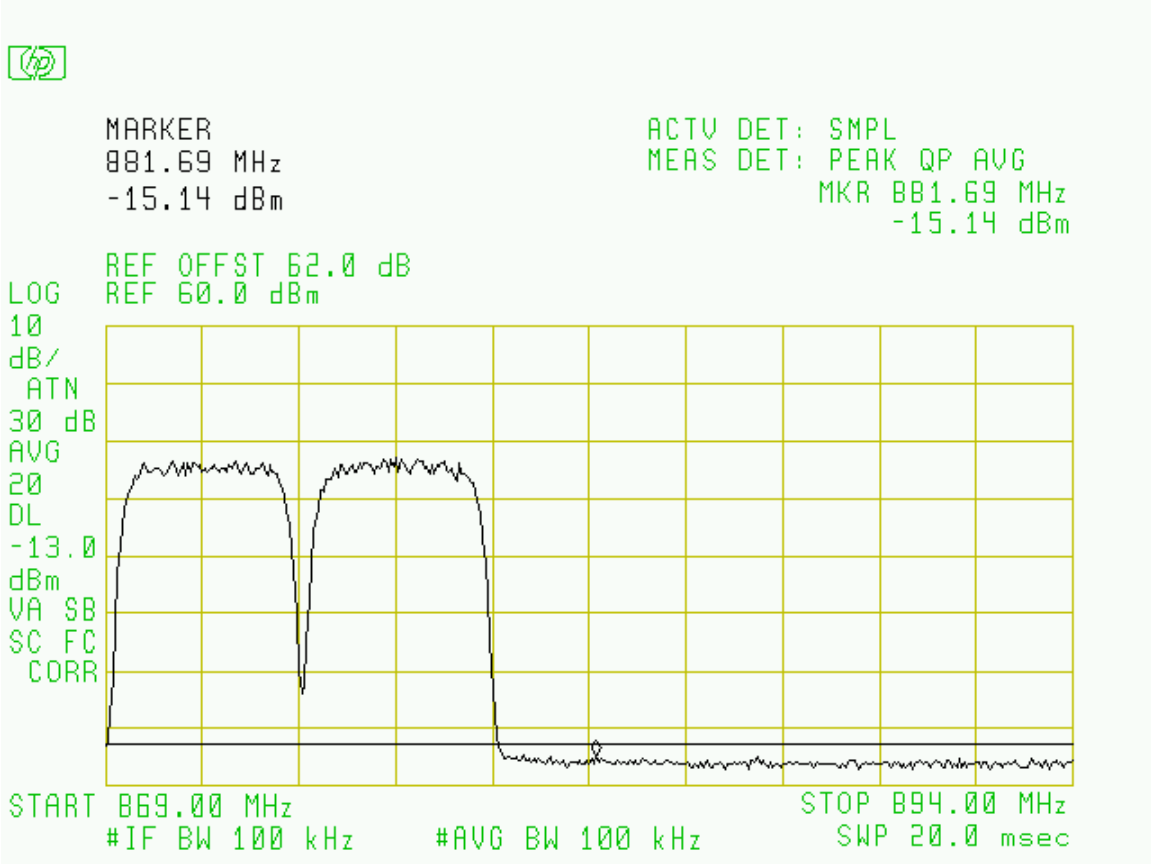
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



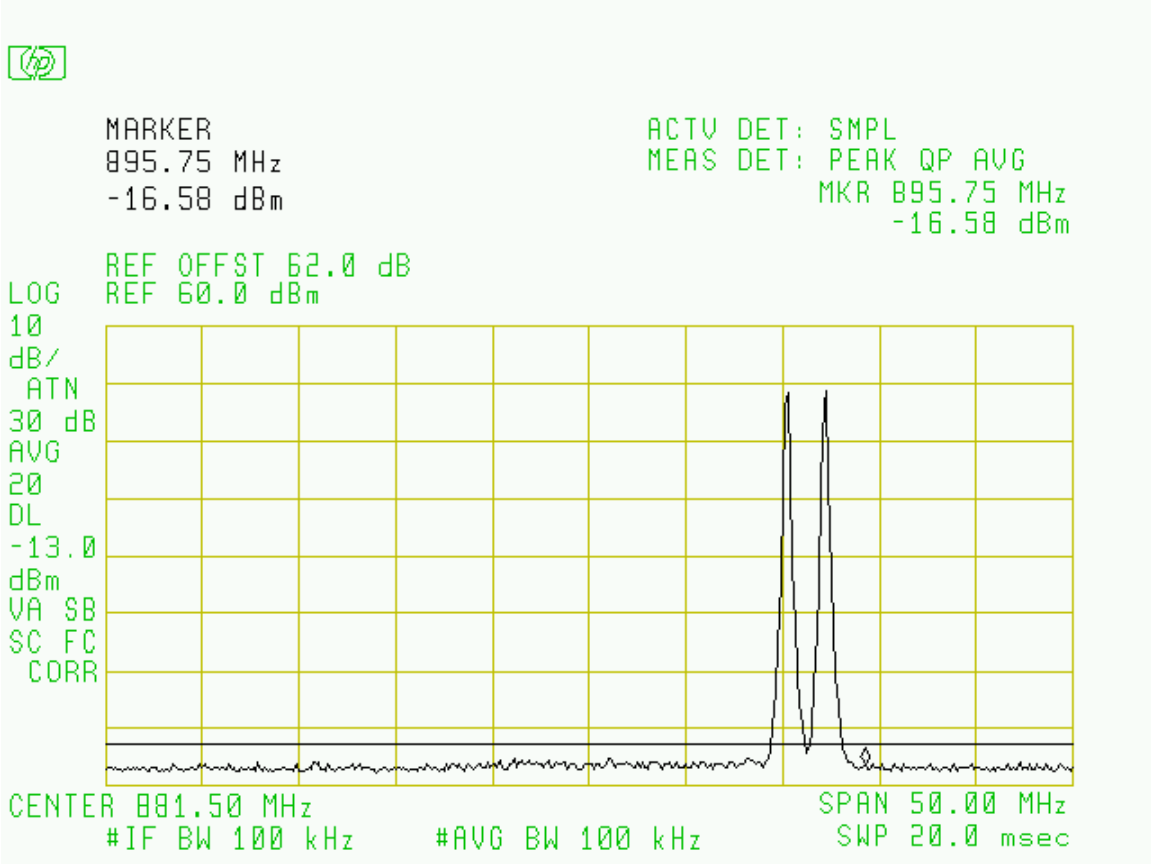
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



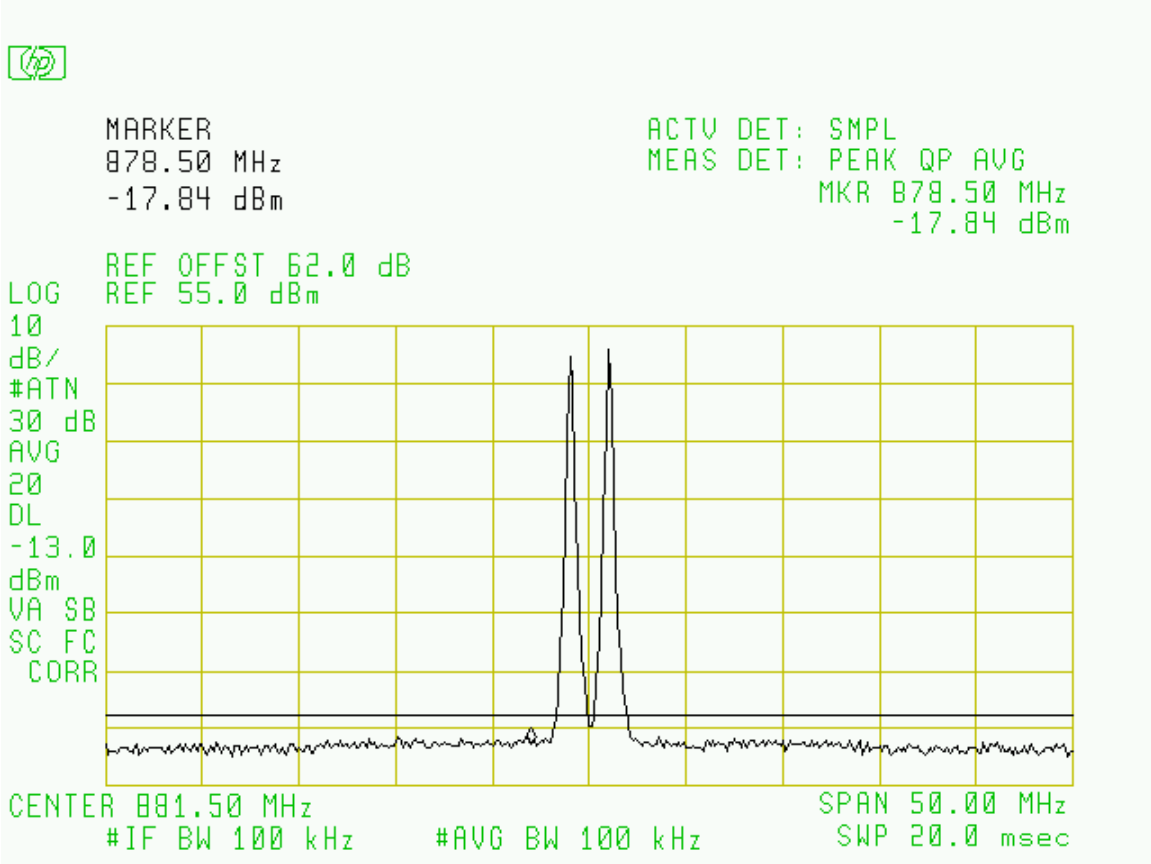
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



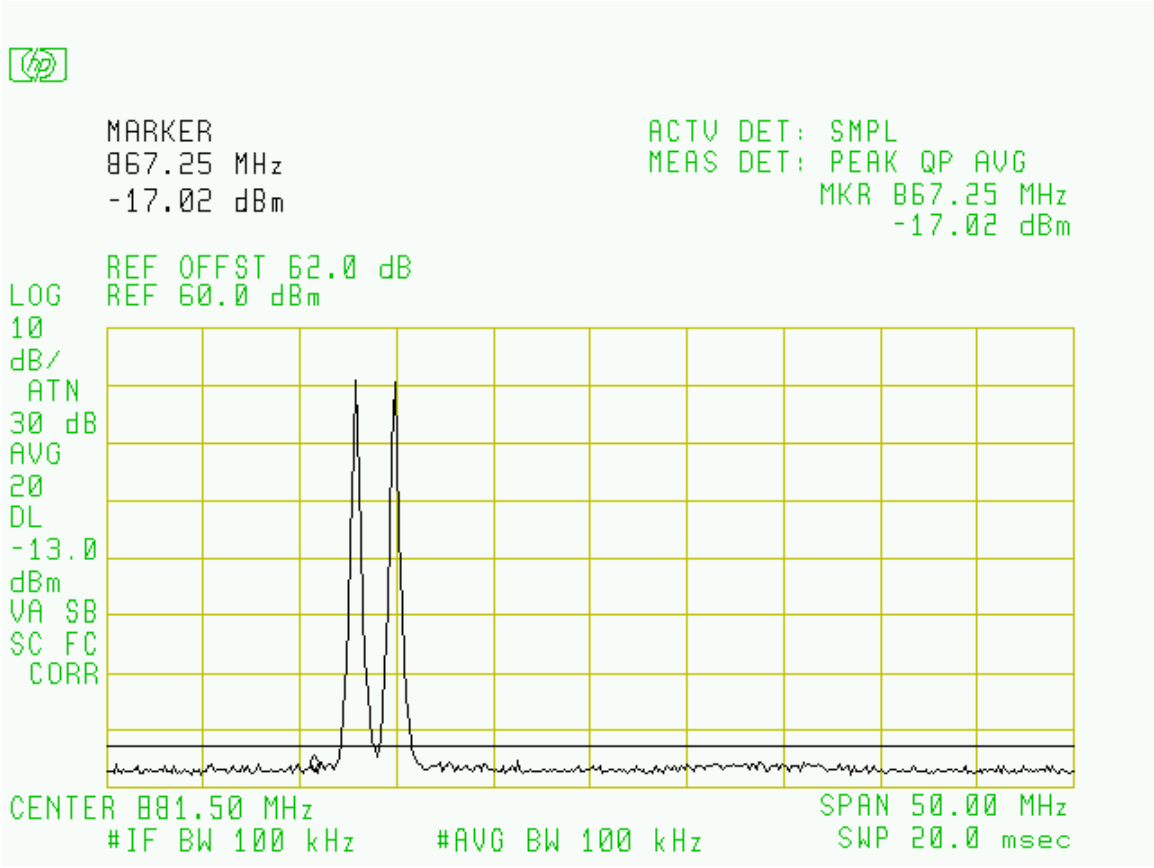
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Inter-modulation, M CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



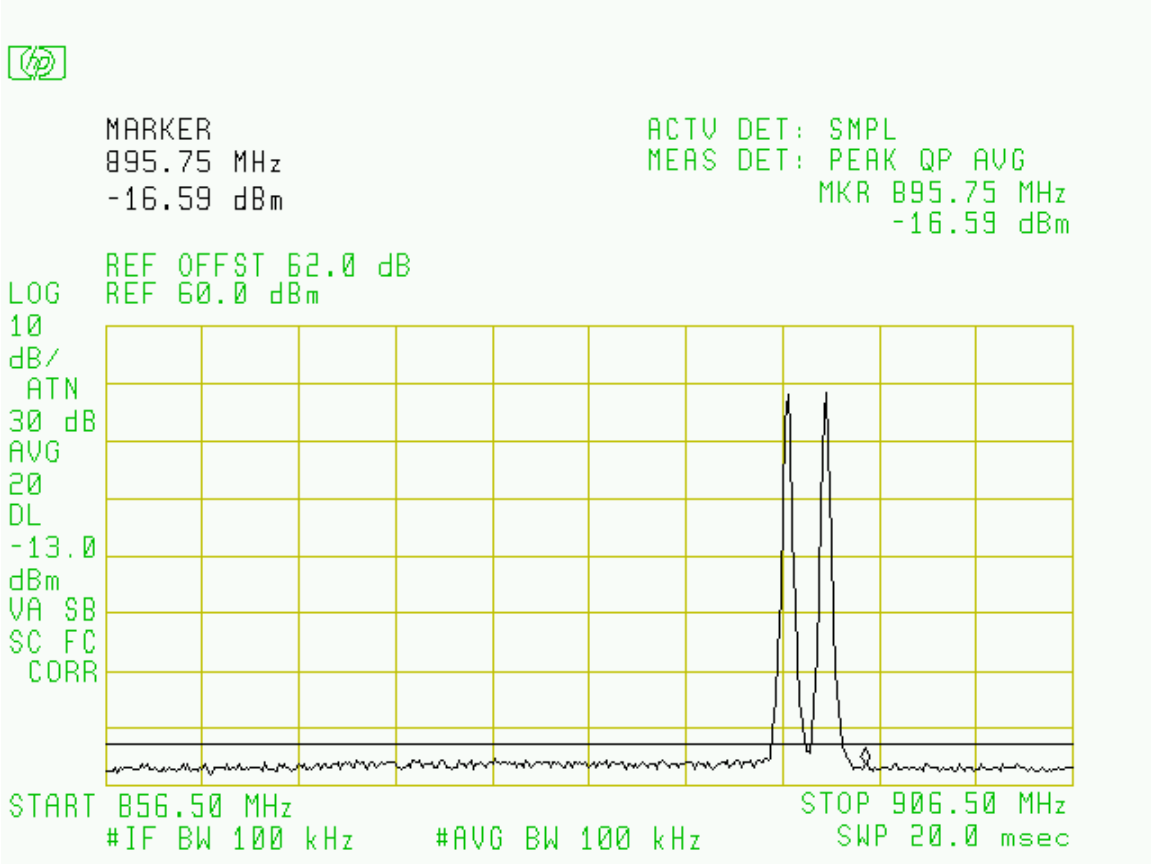
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



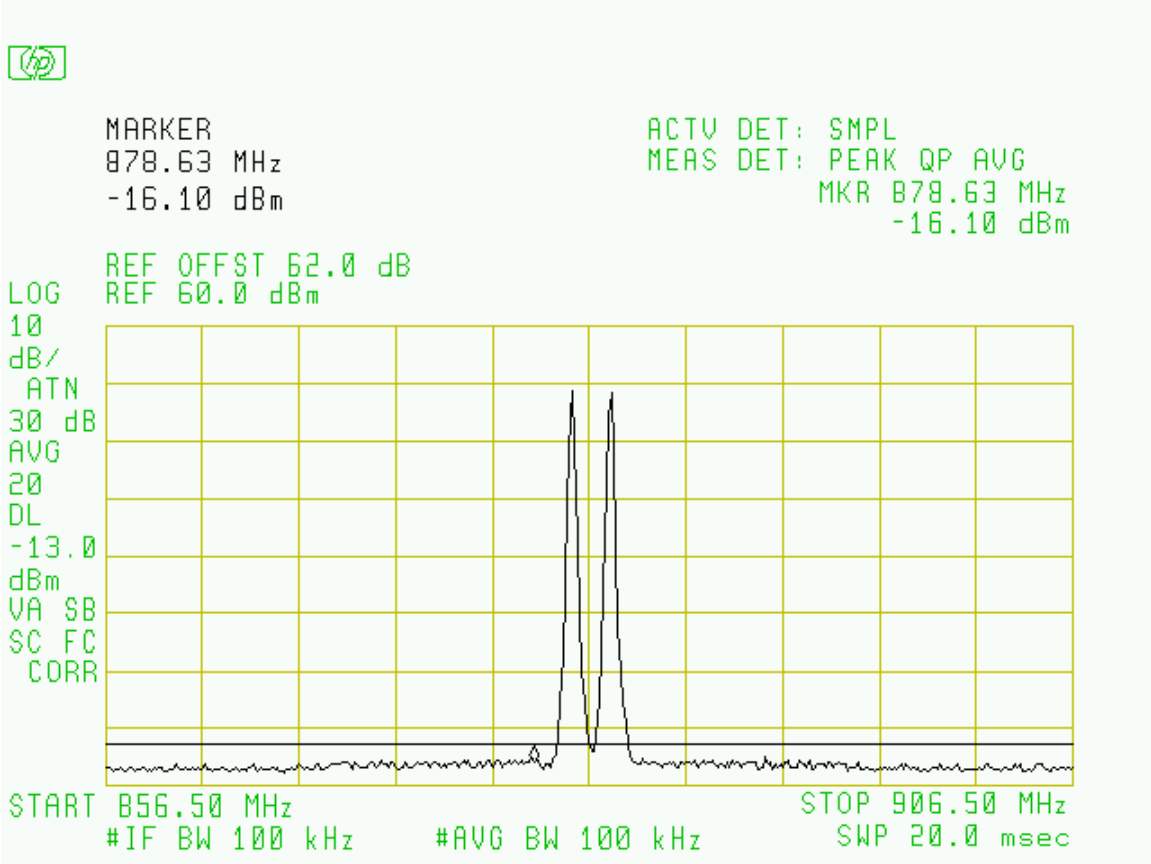
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



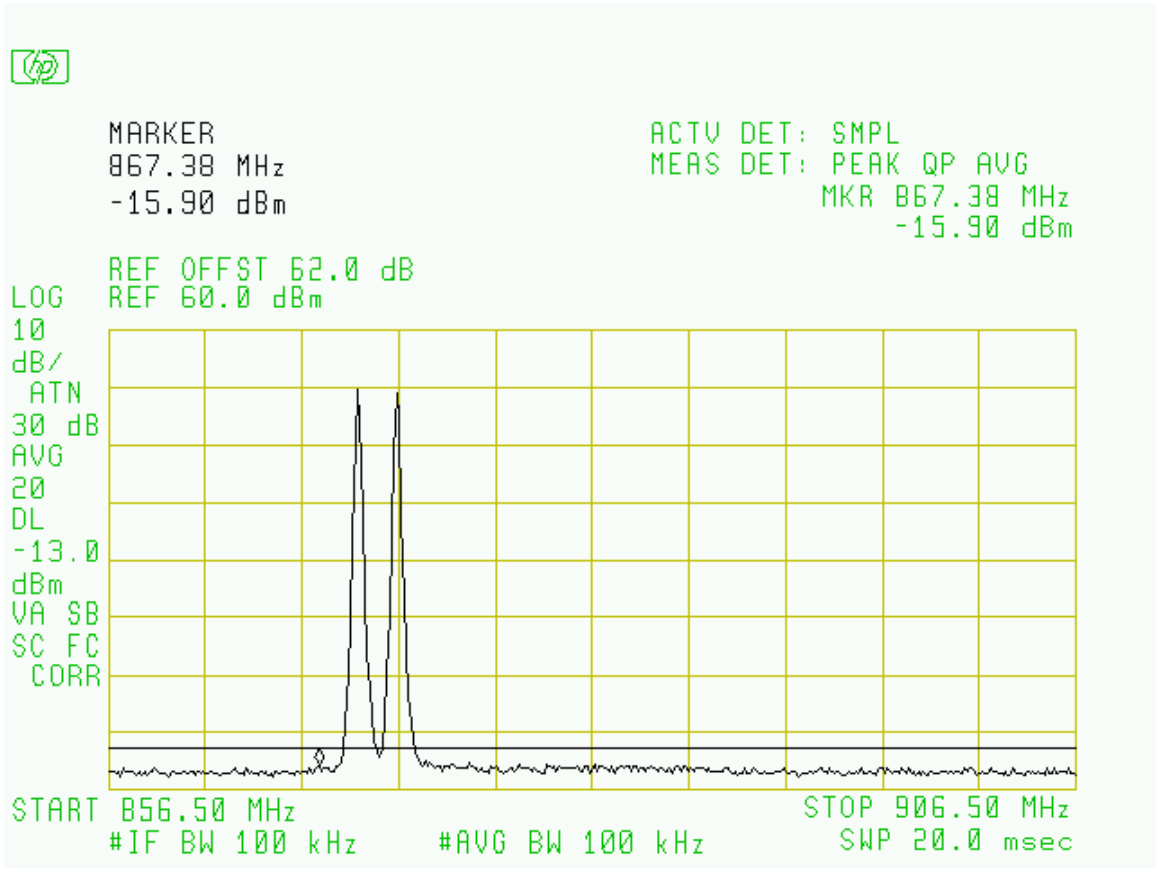
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Inter-modulation, M CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



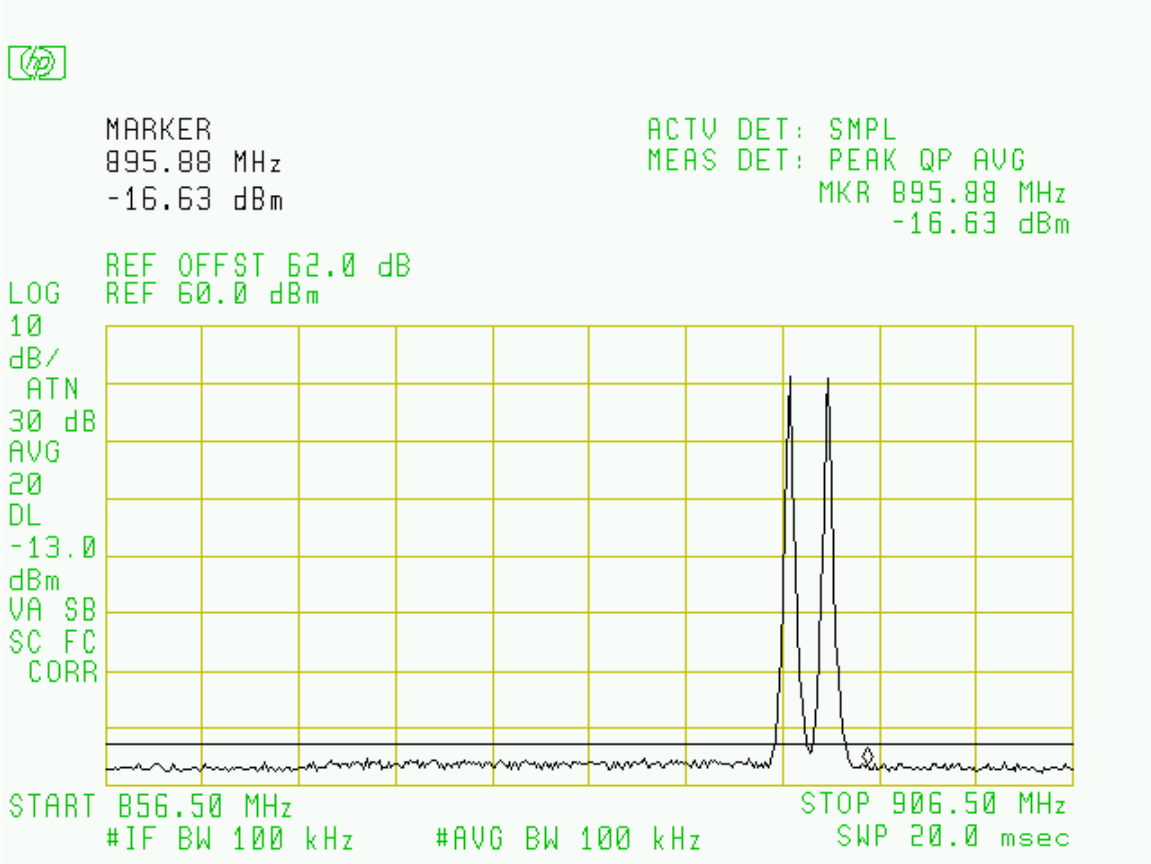
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



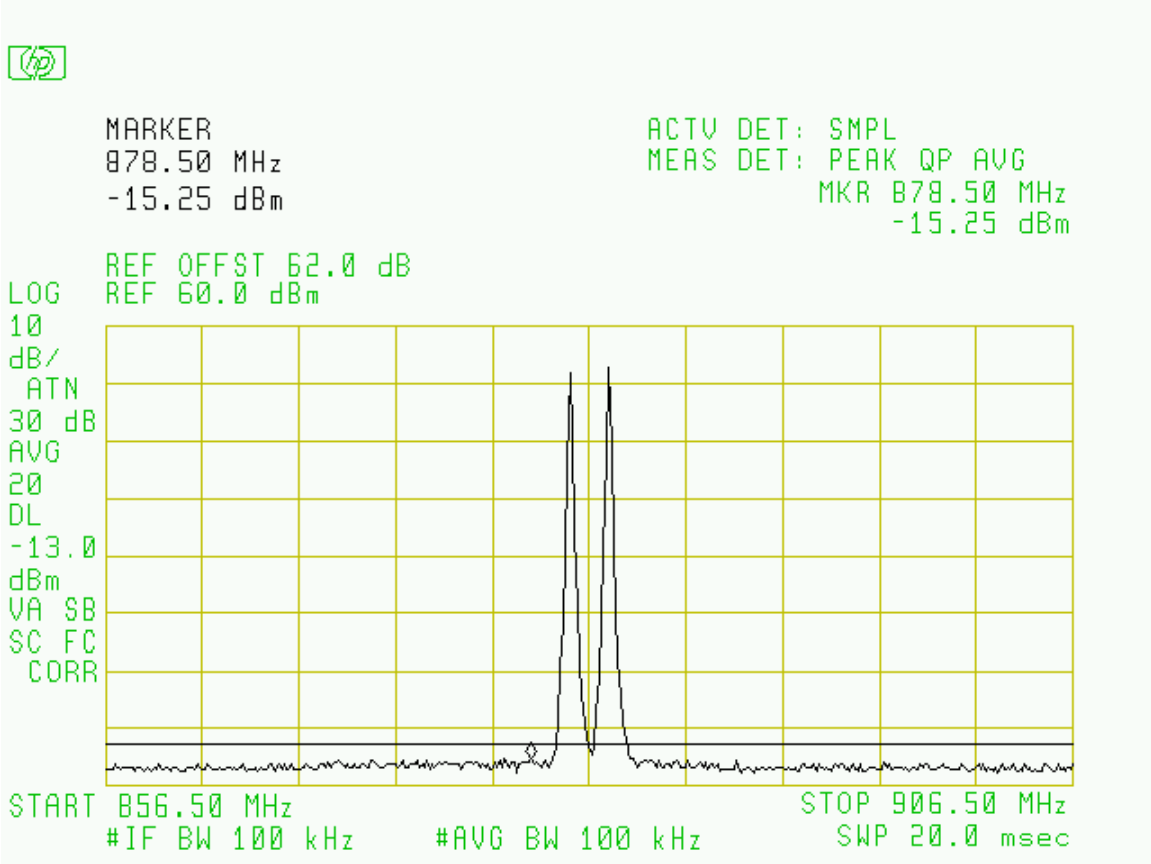
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



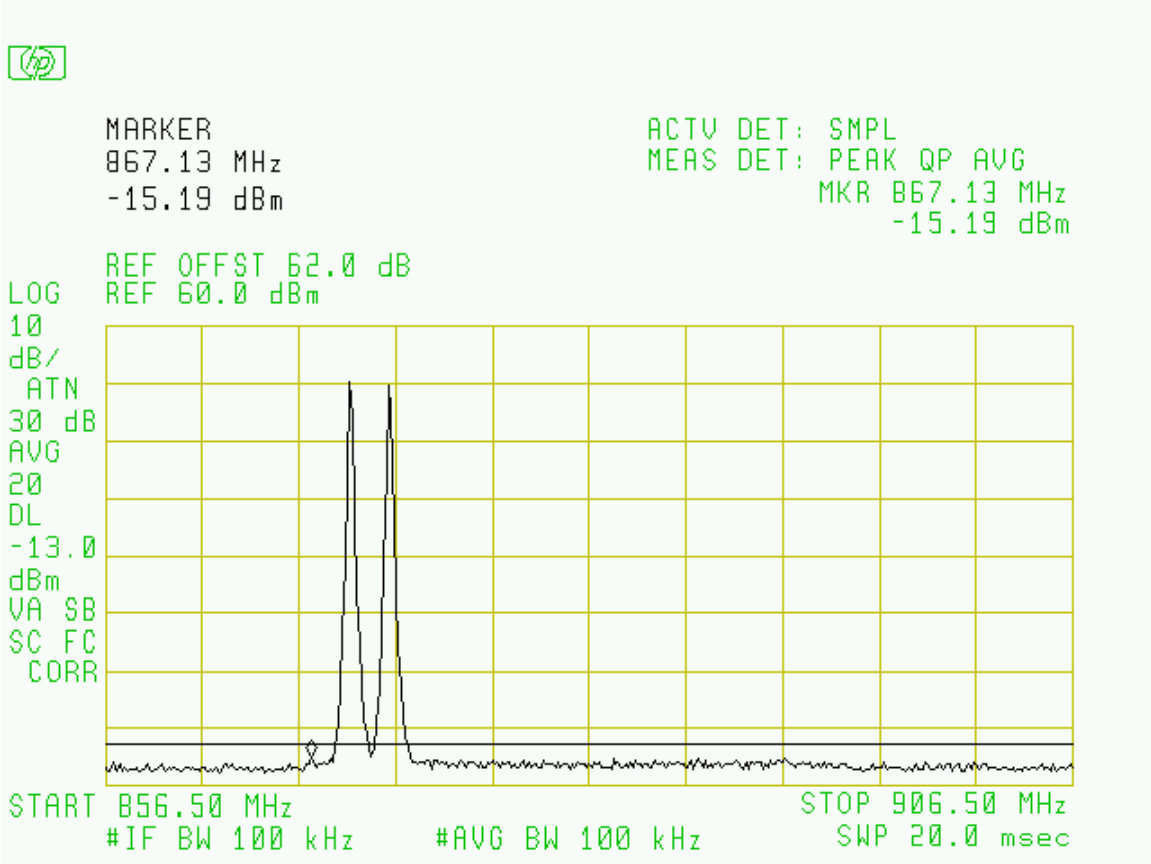
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, M CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



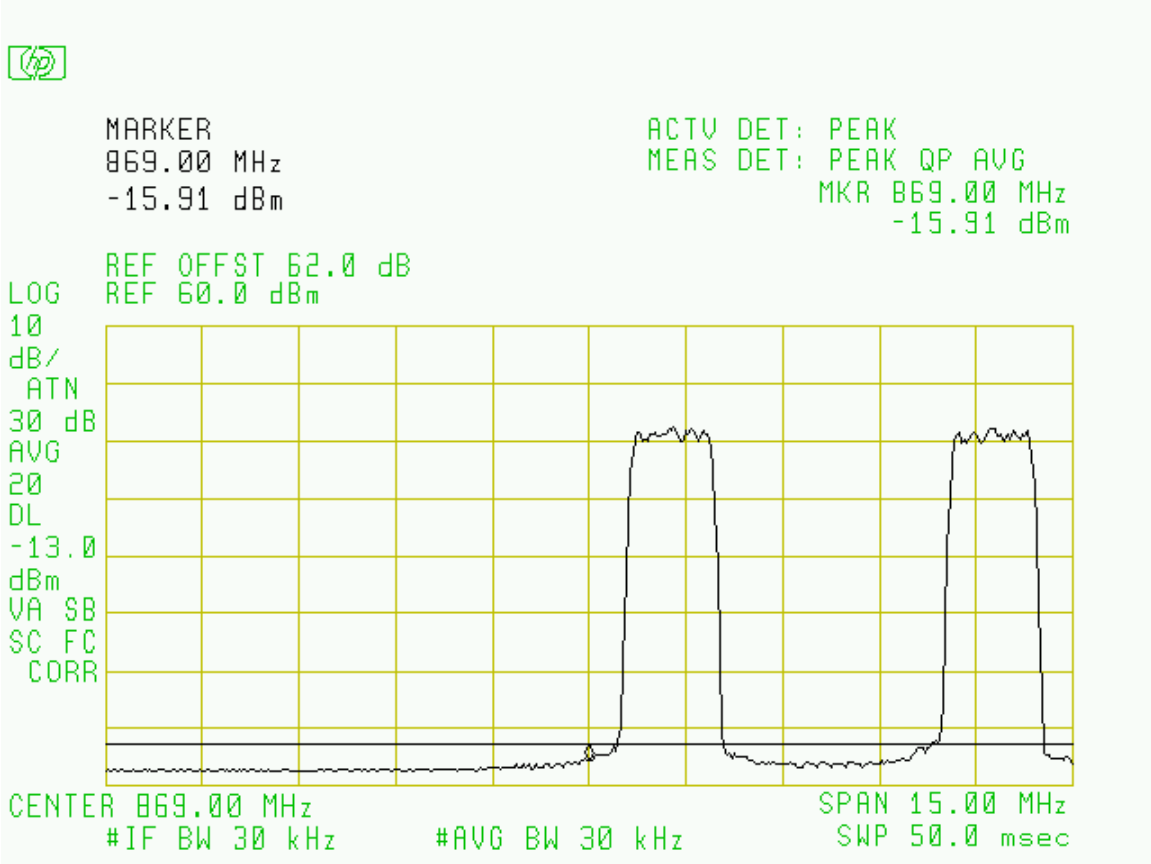
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



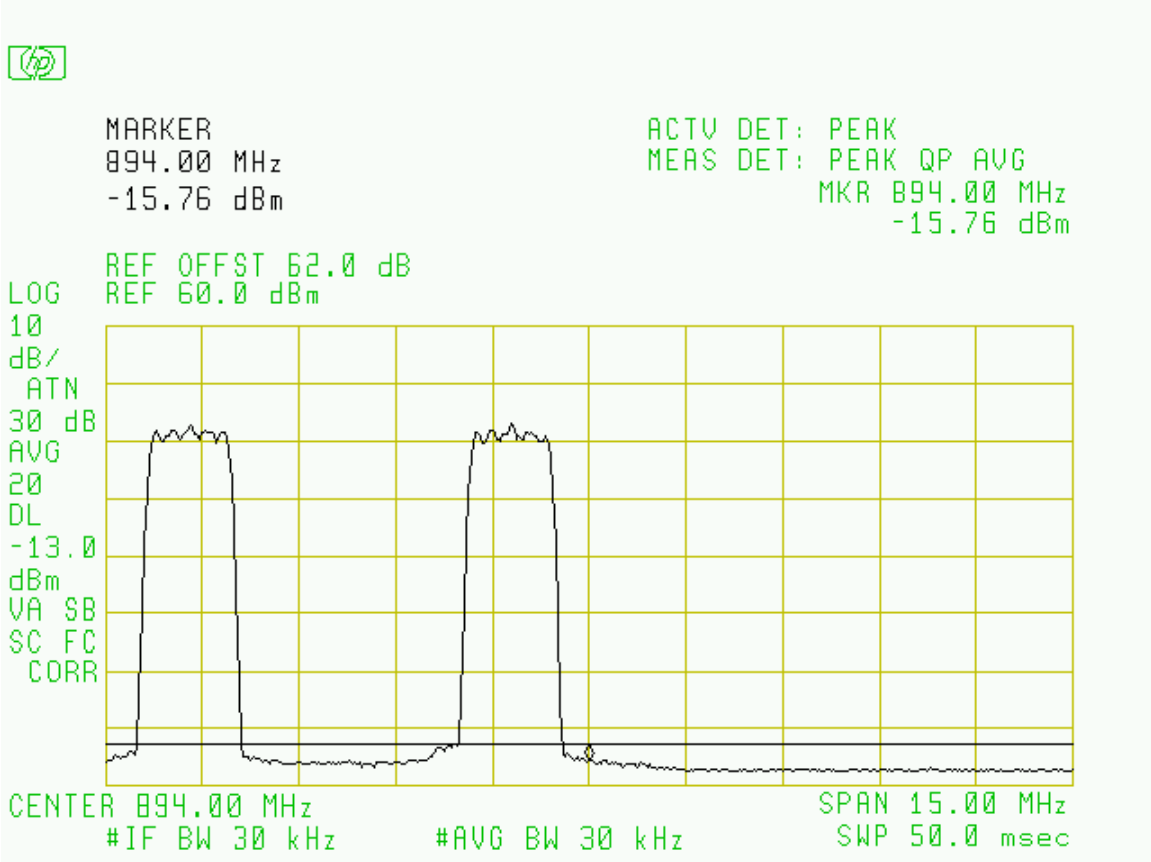
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



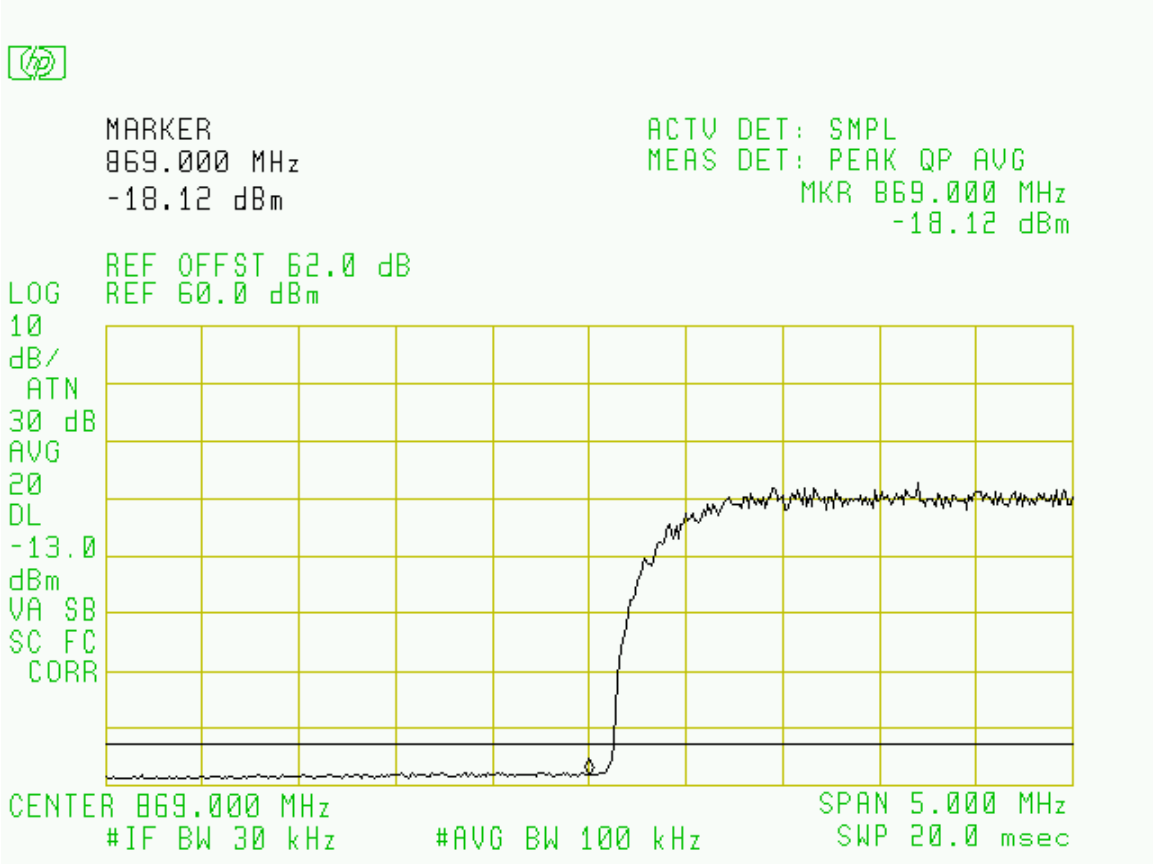
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



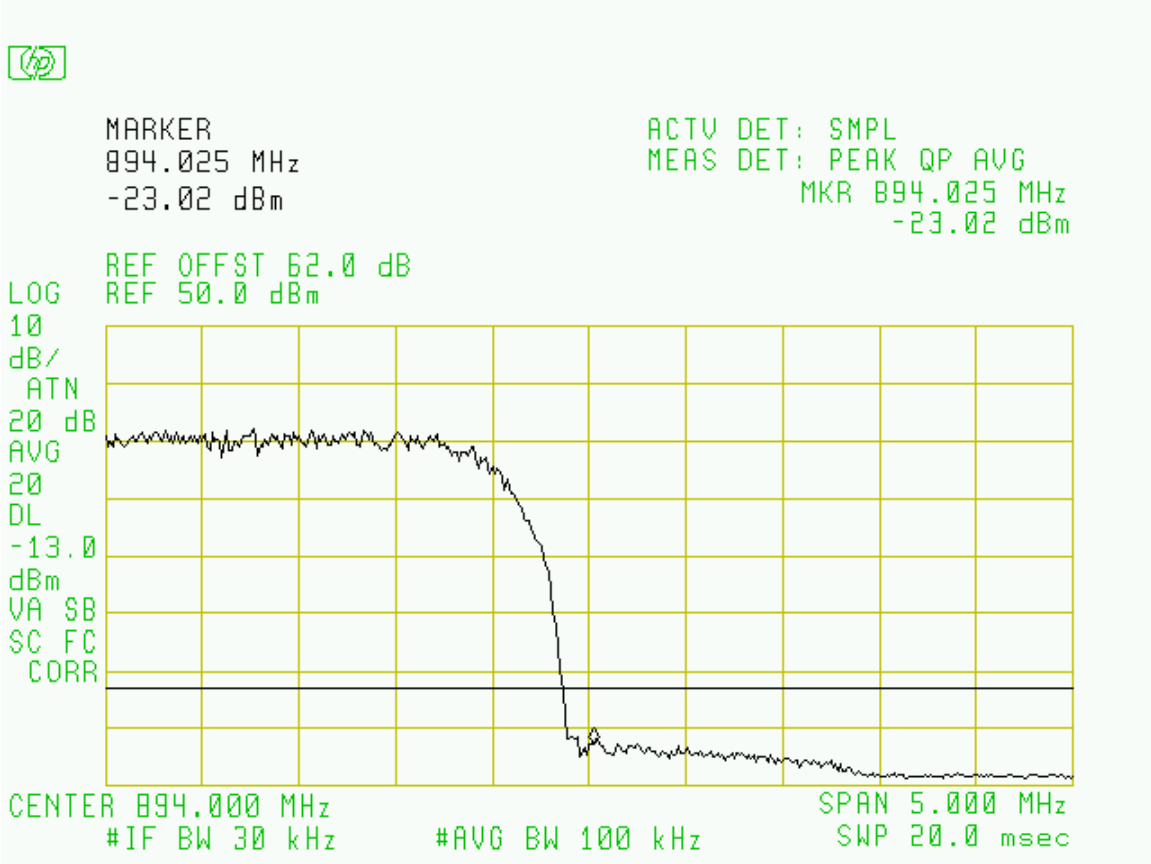
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



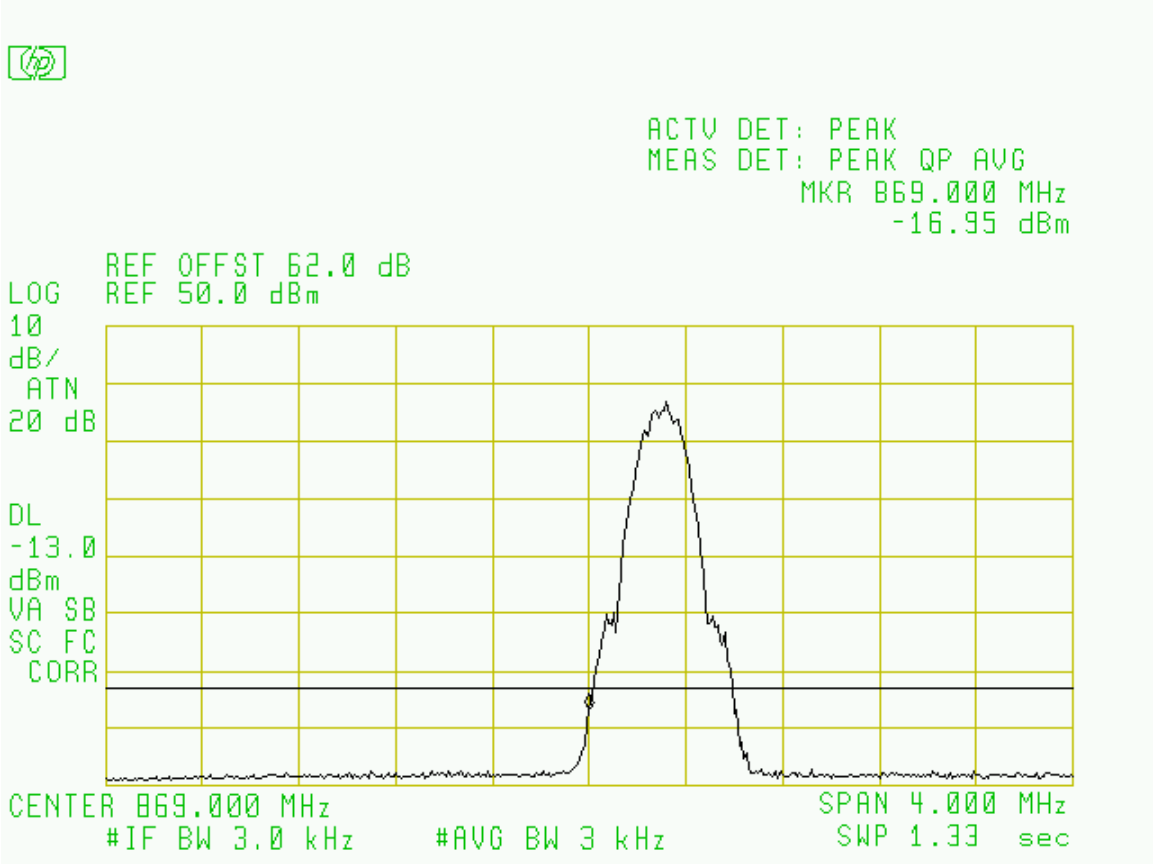
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



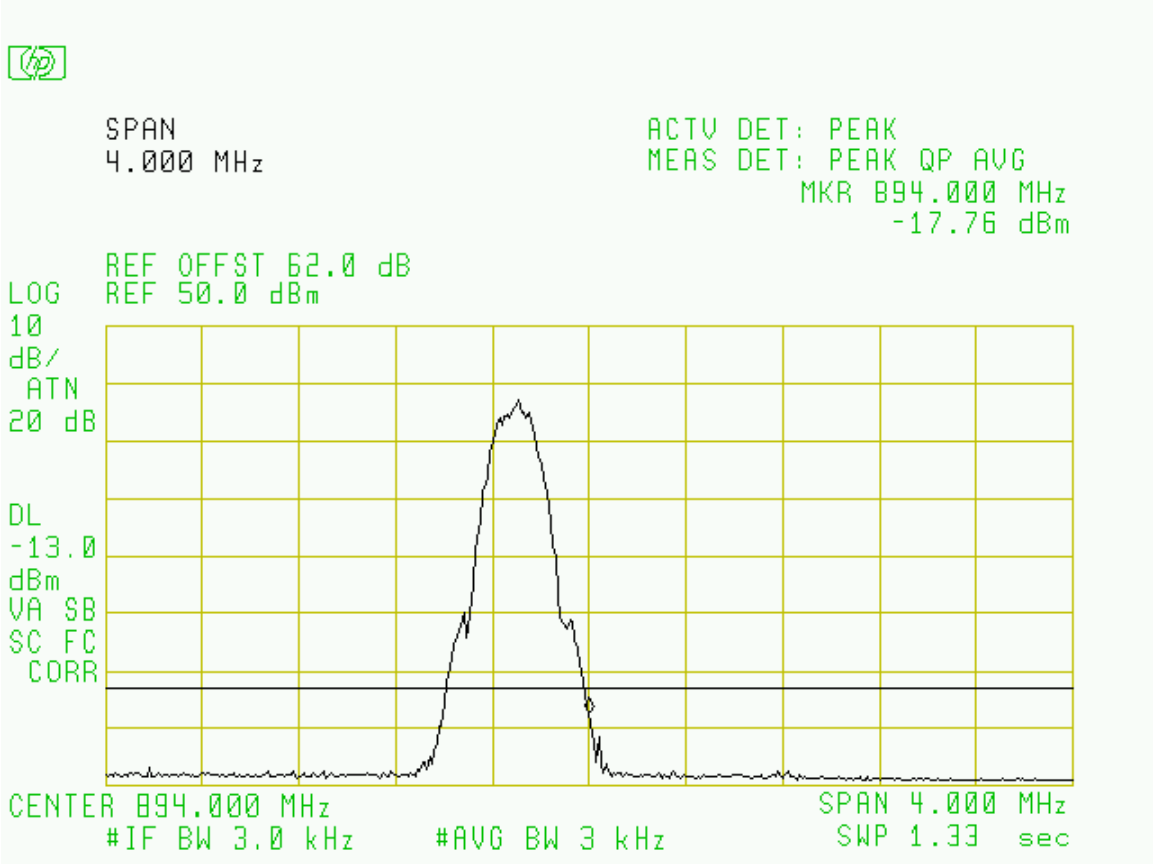
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



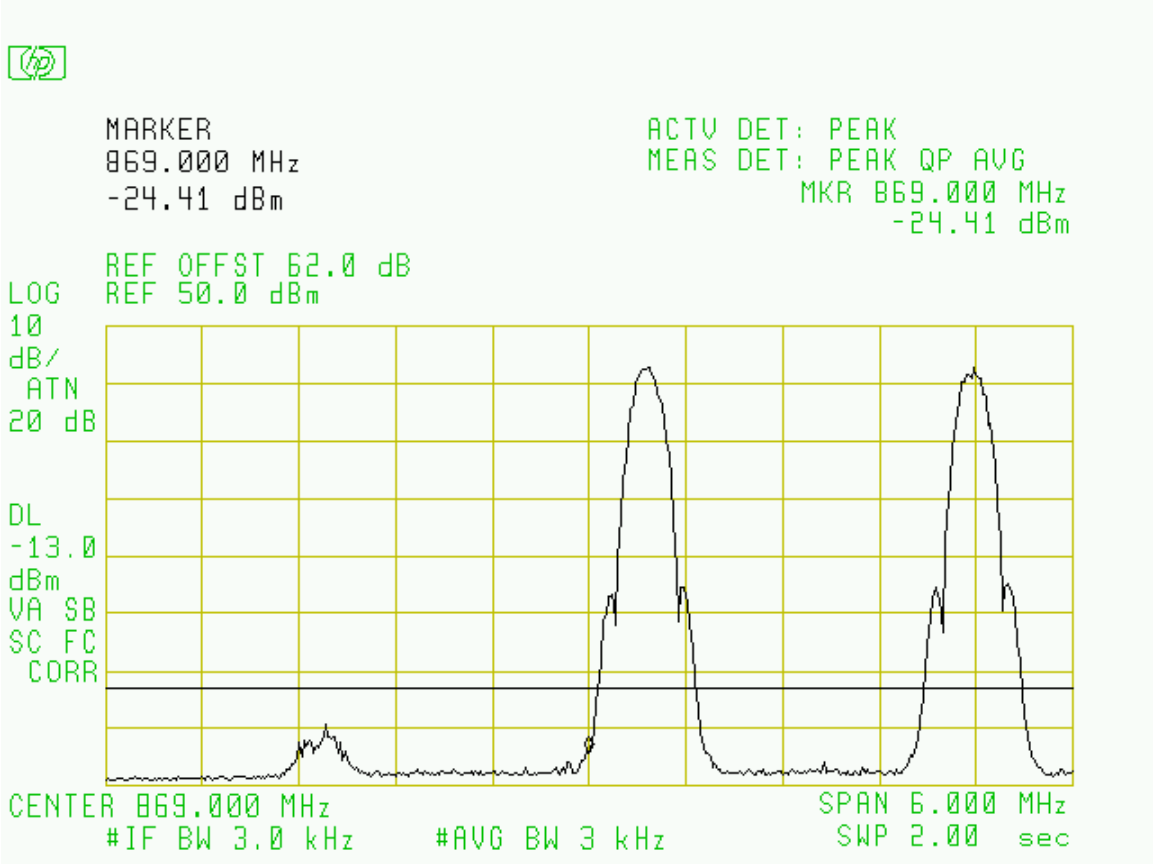
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



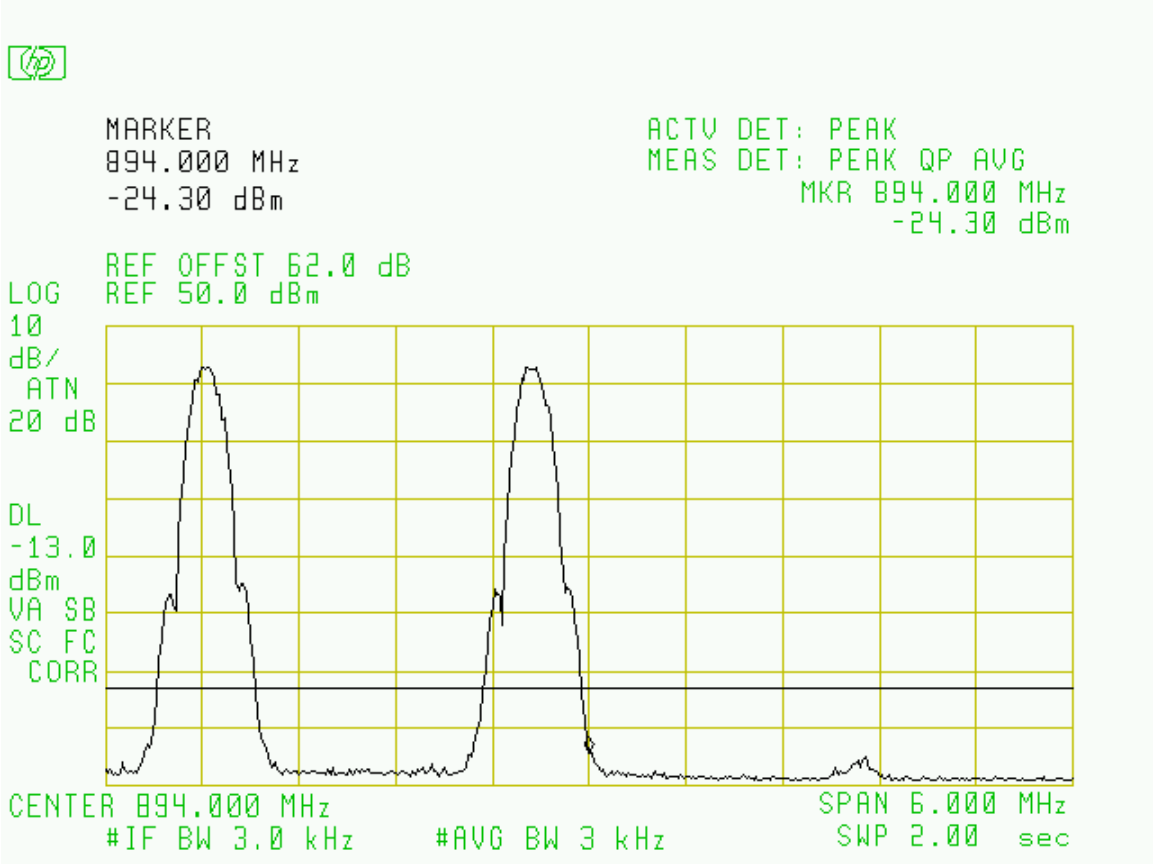
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



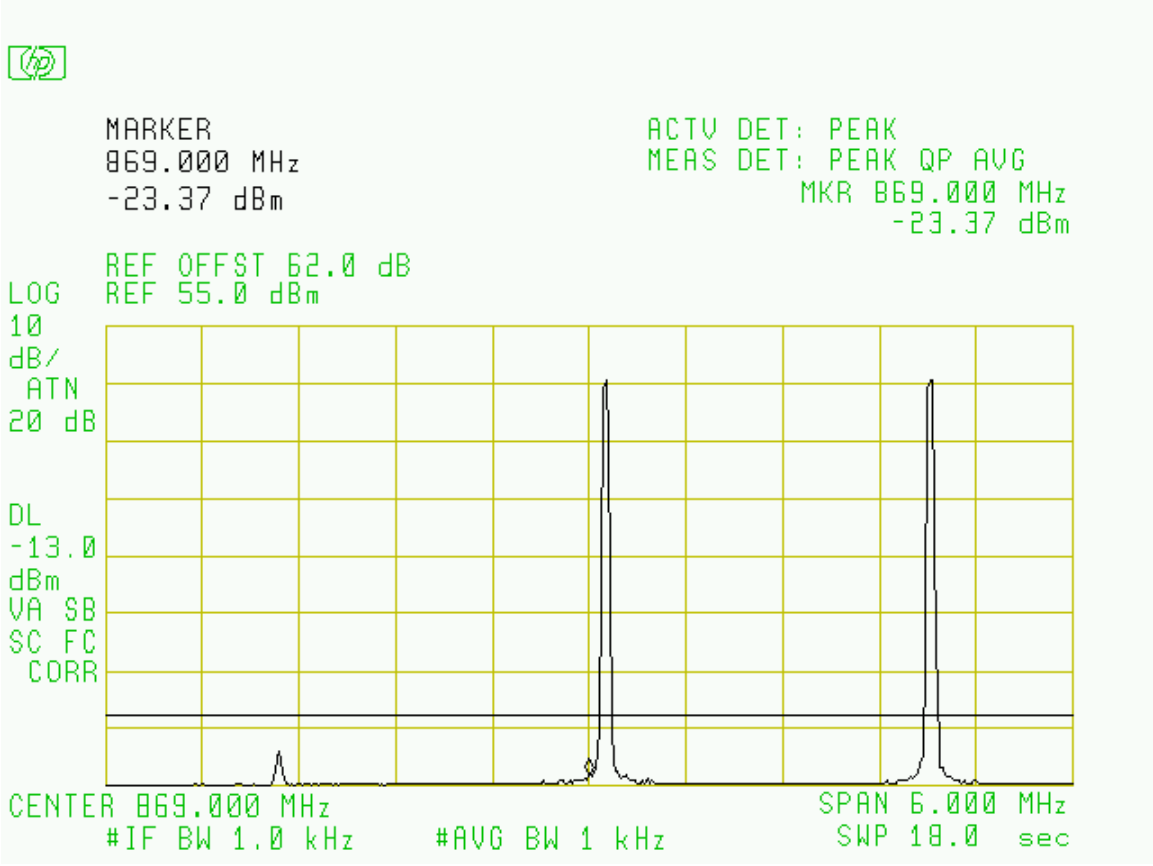
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



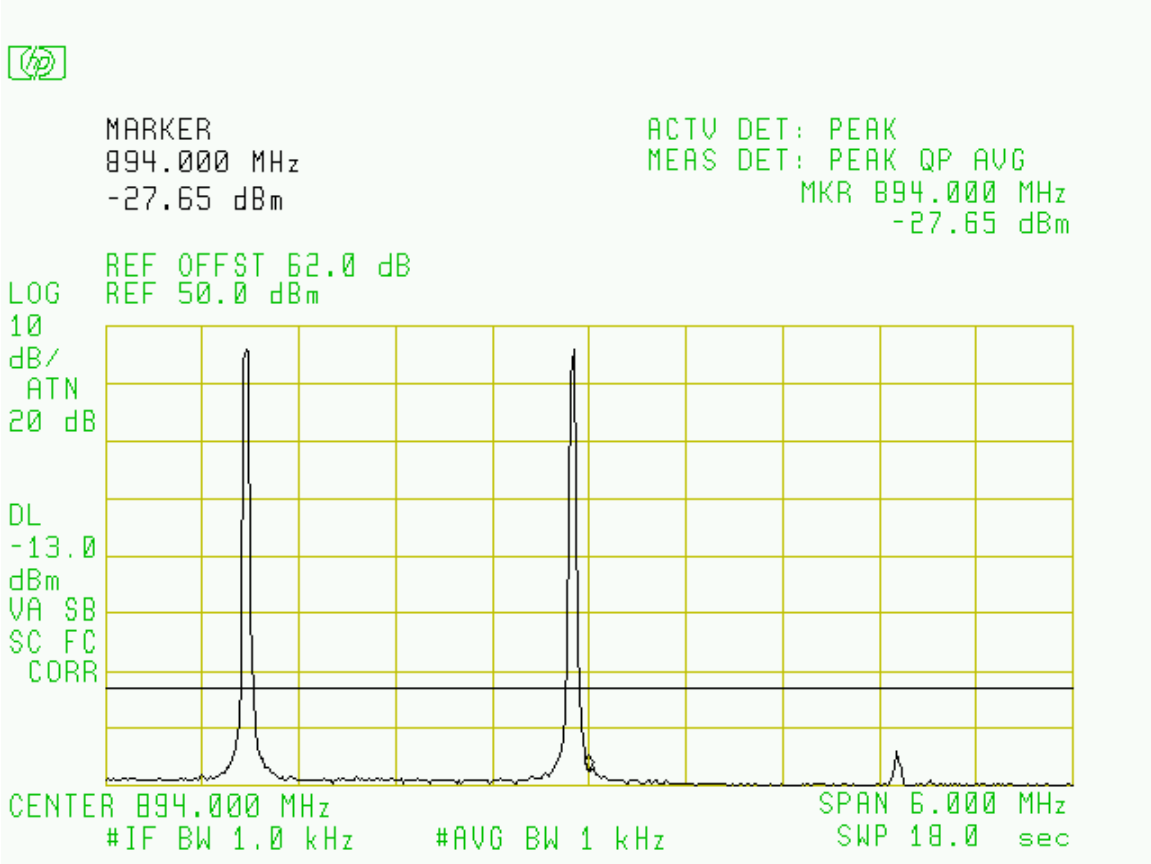
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



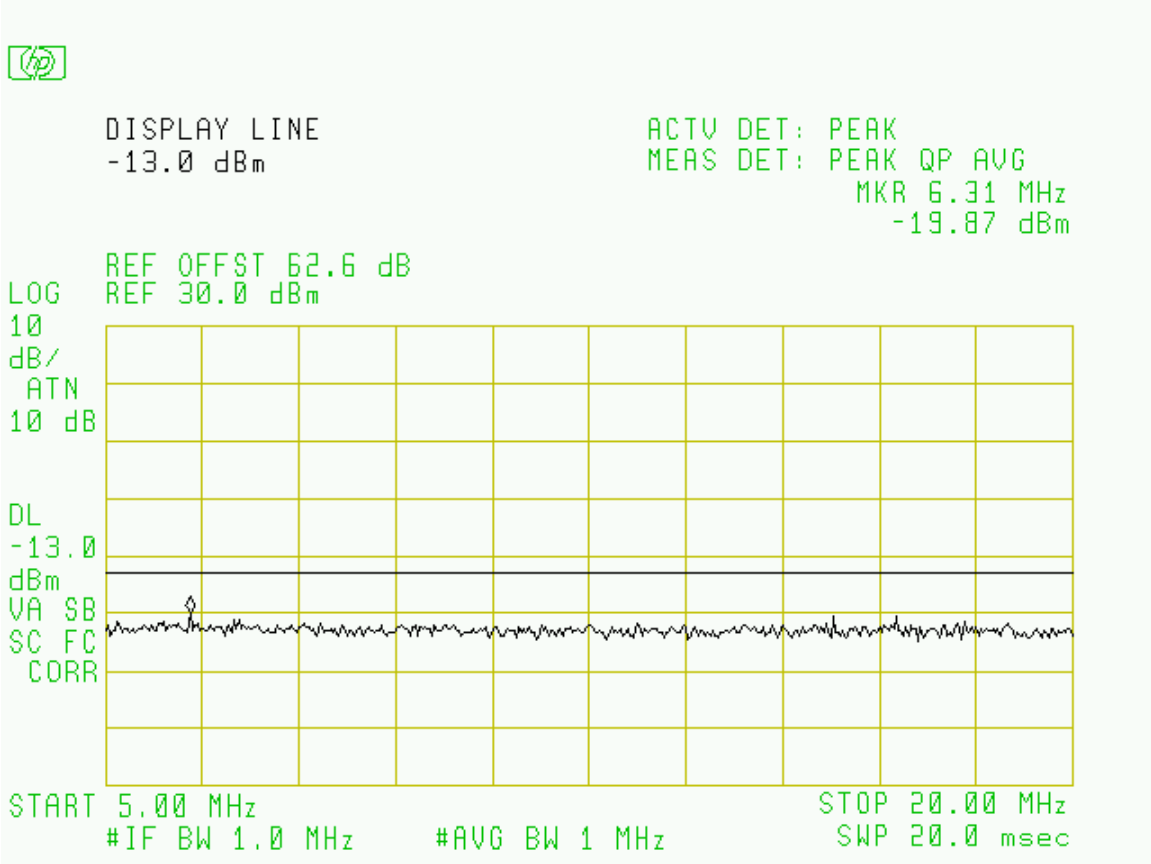
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



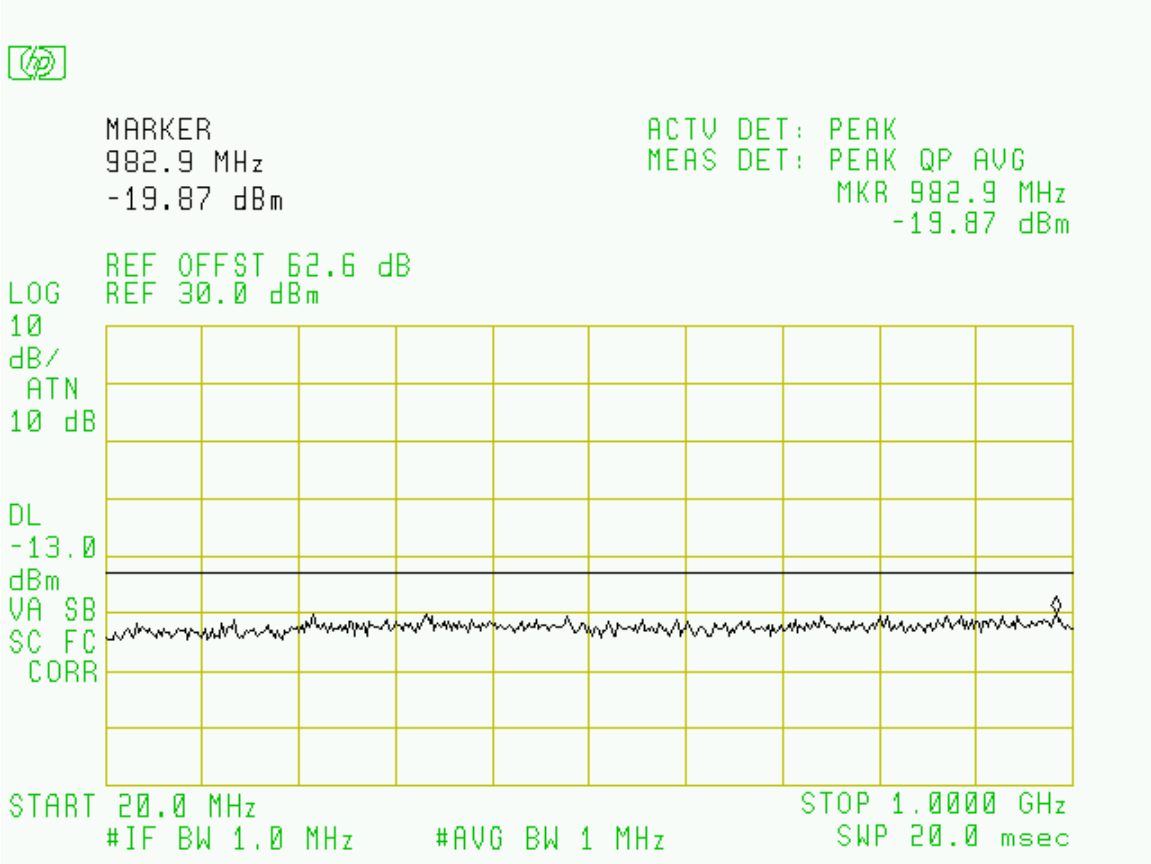
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



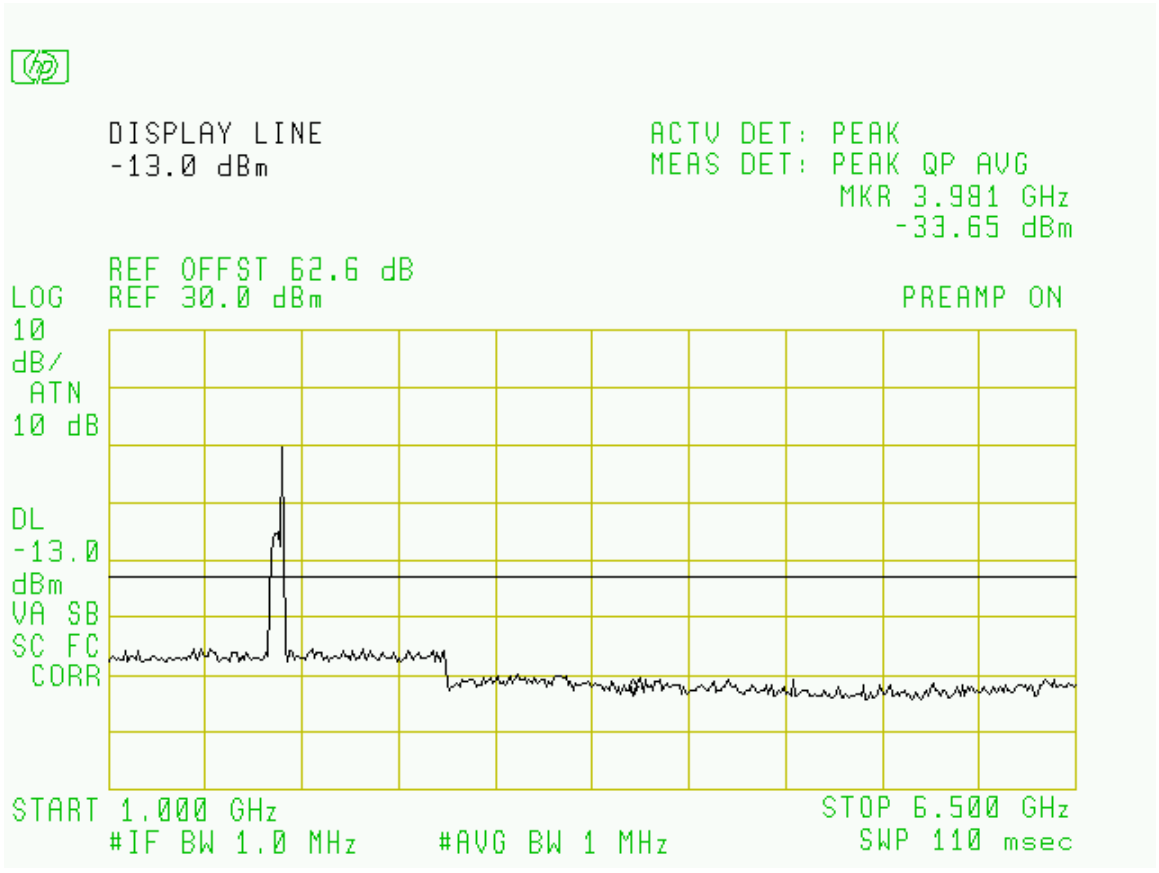
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



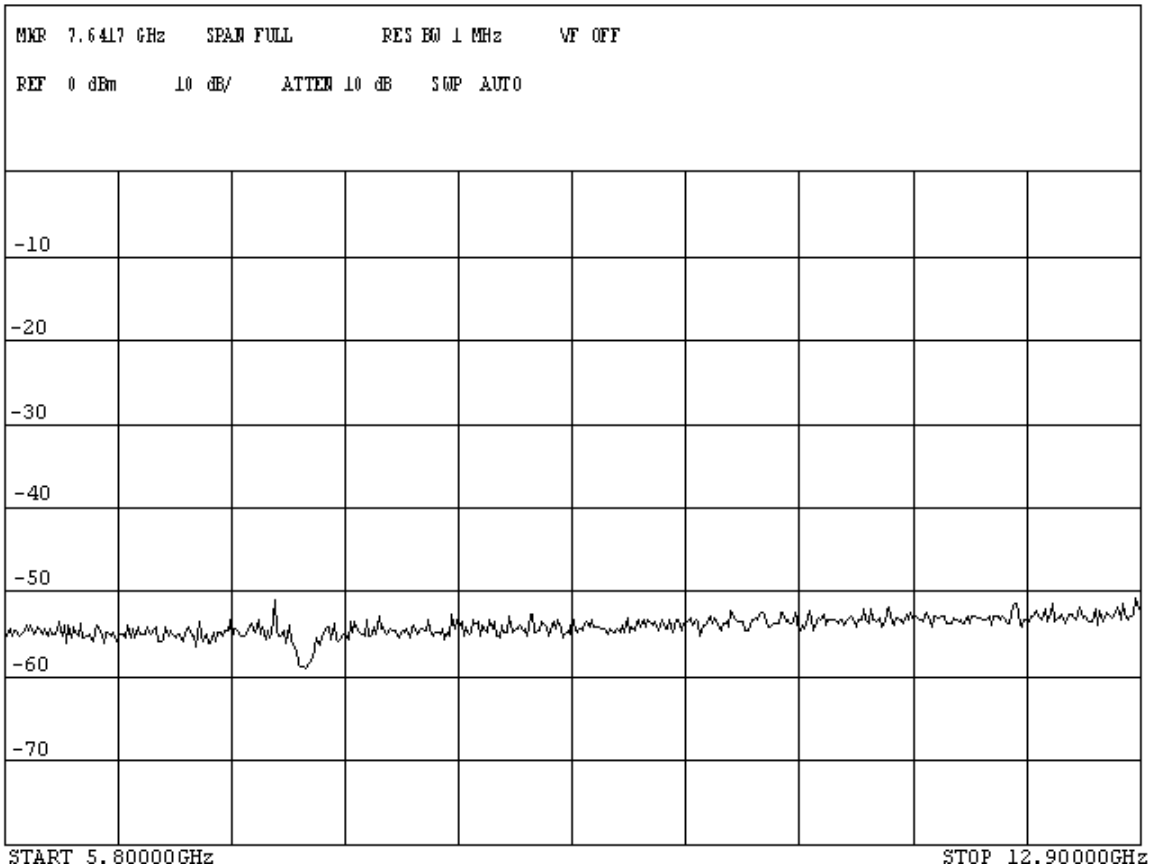
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



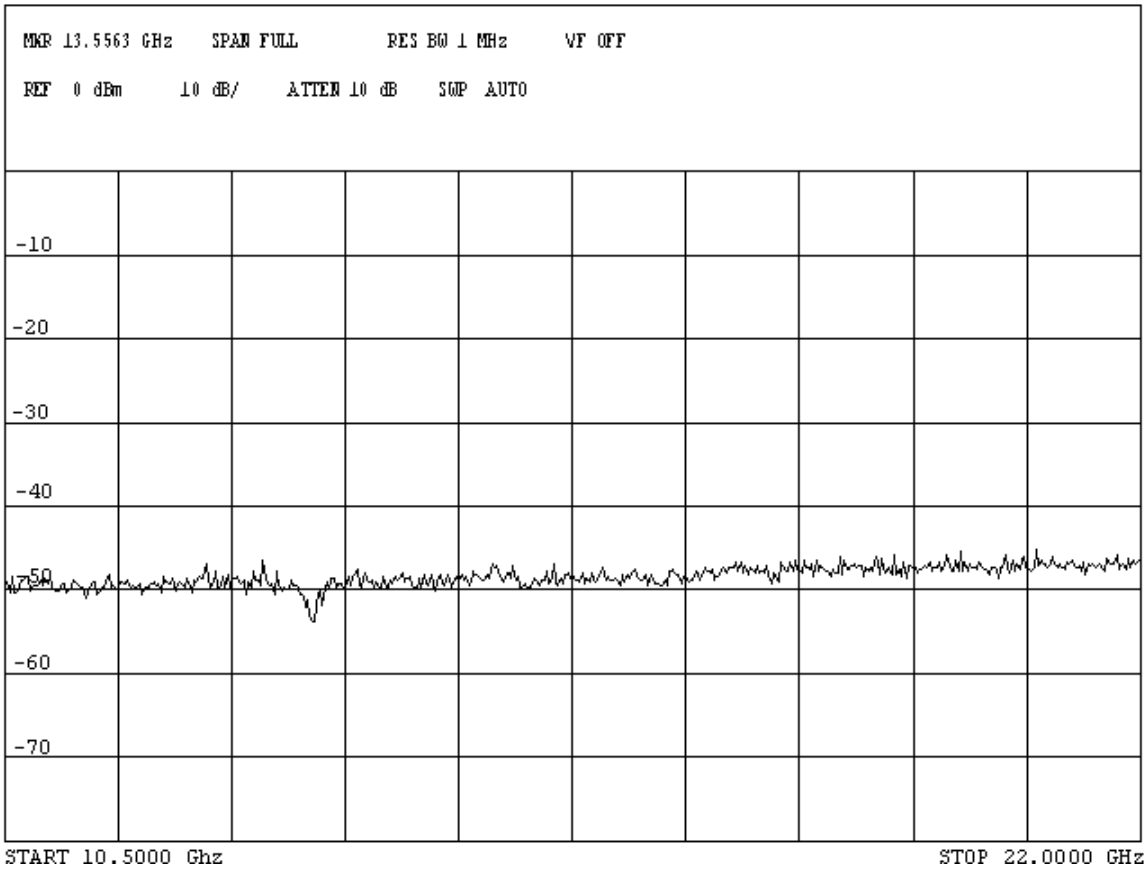
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



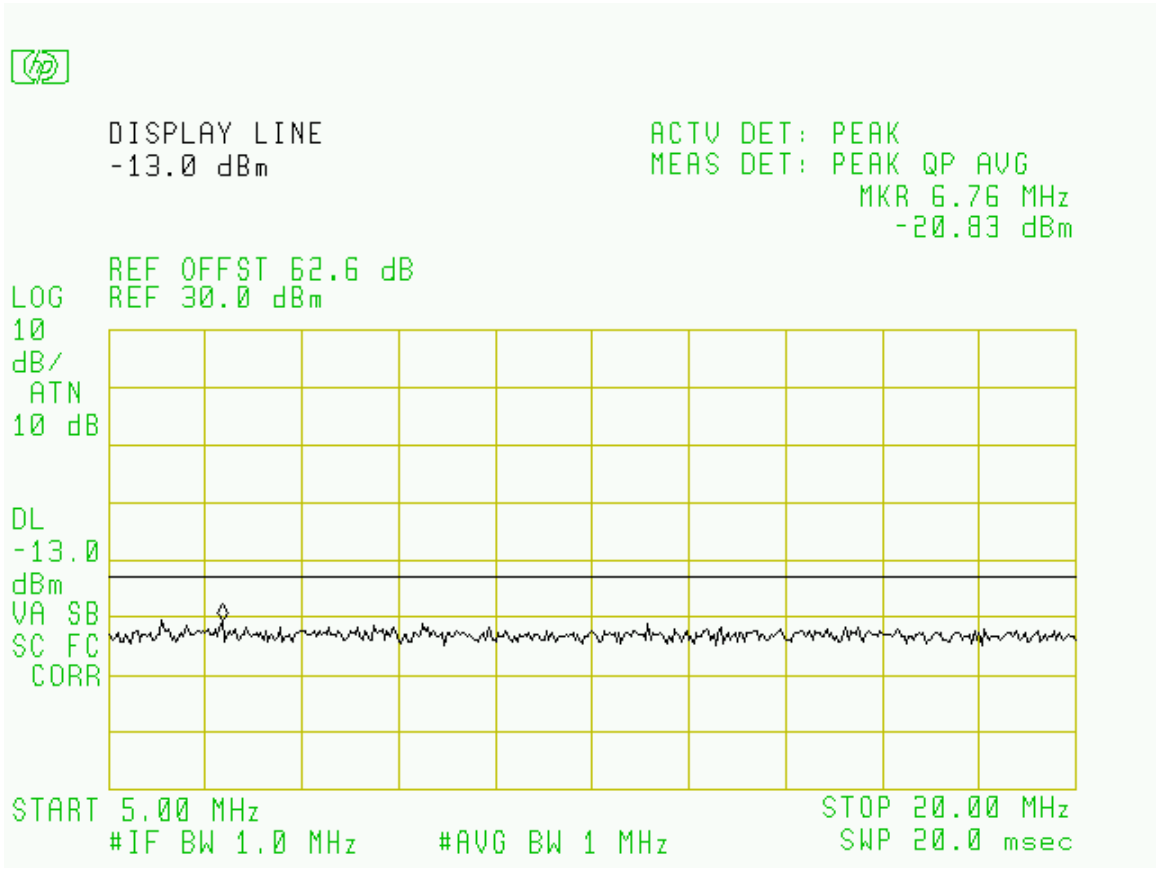
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



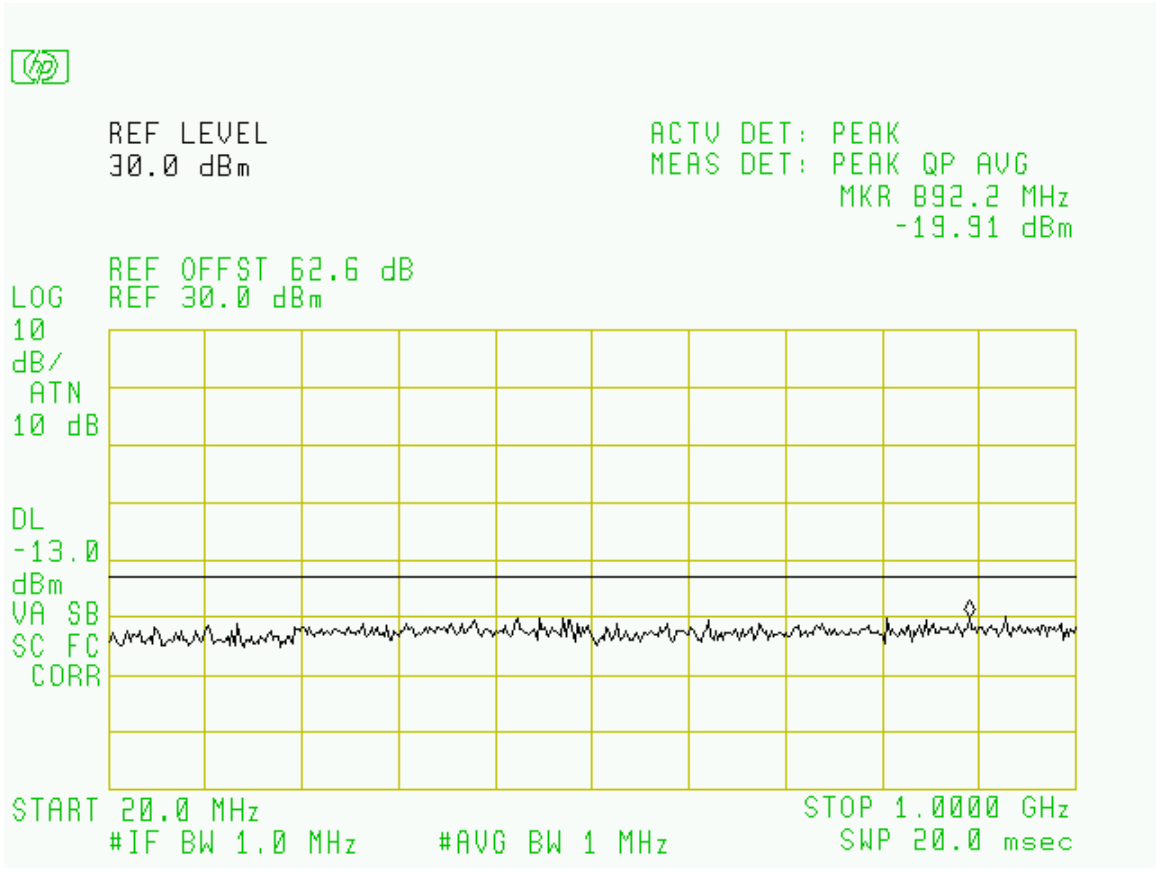
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



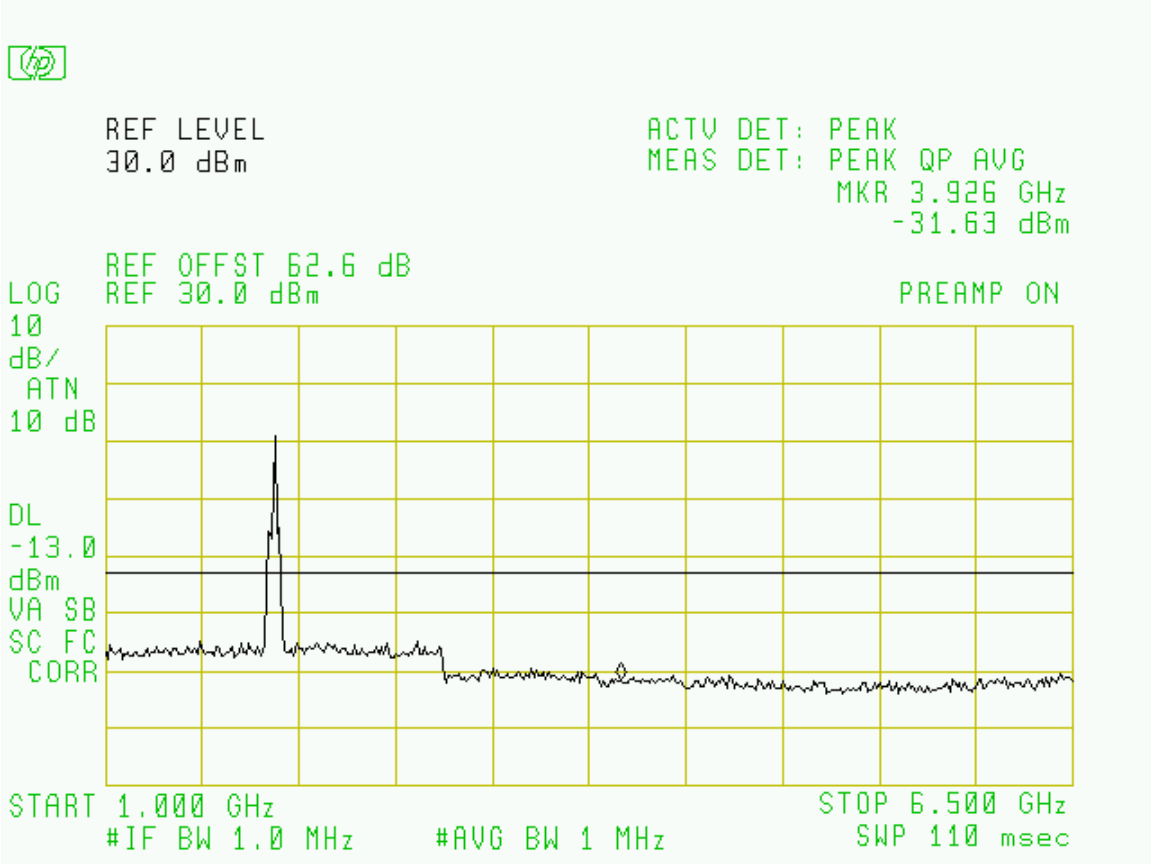
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



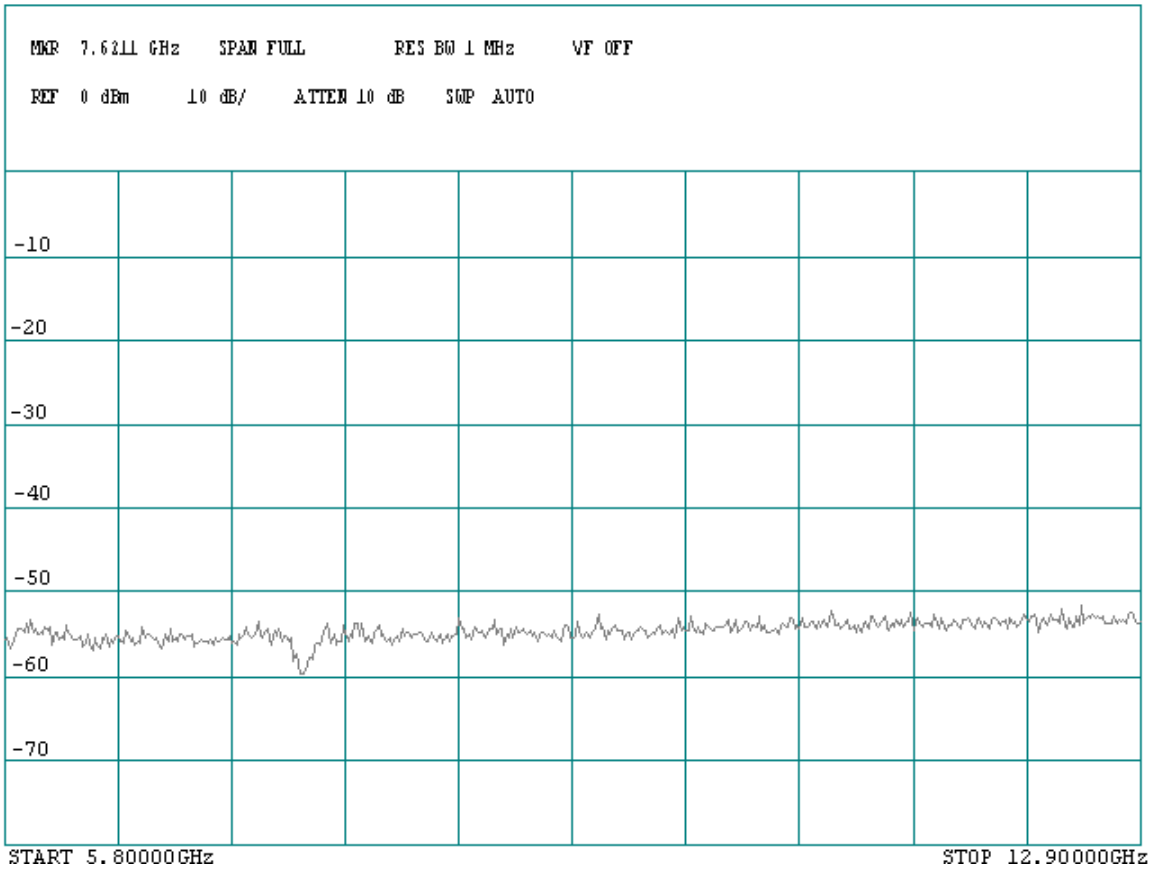
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



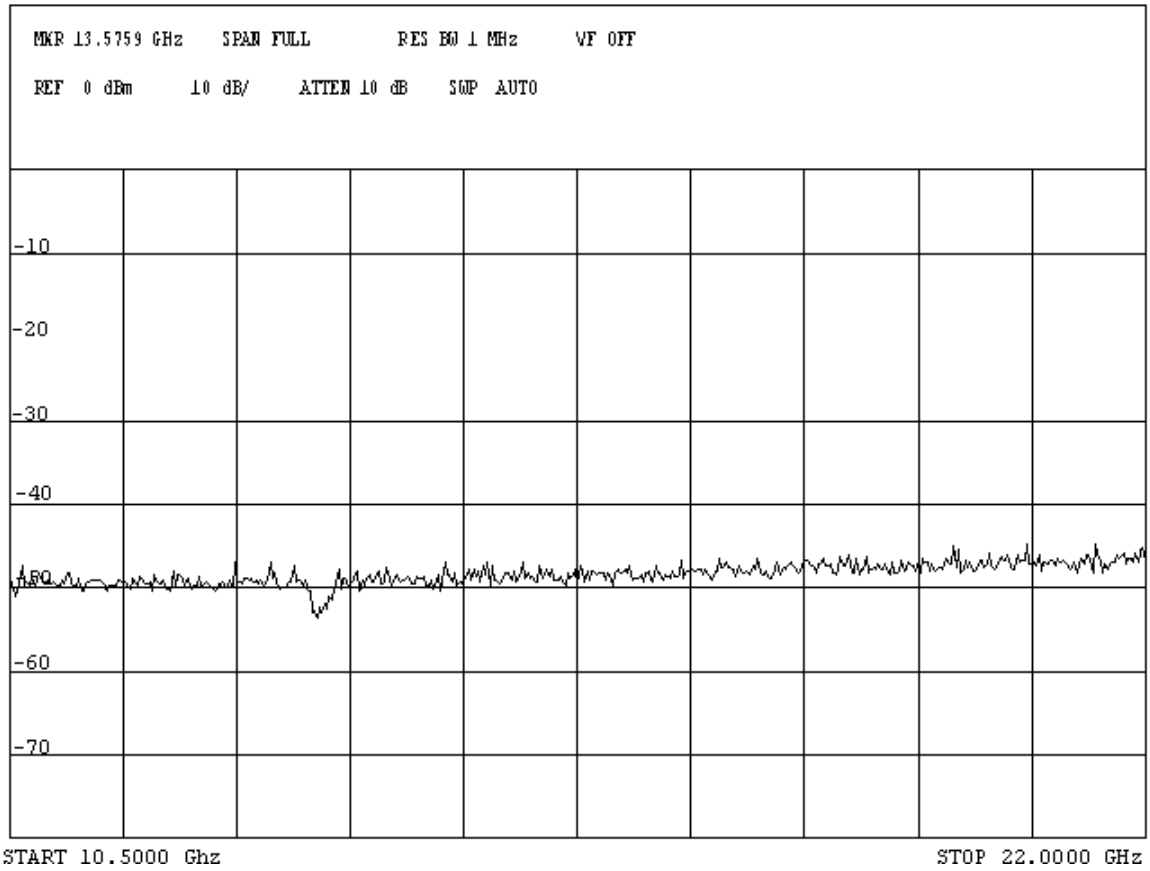
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



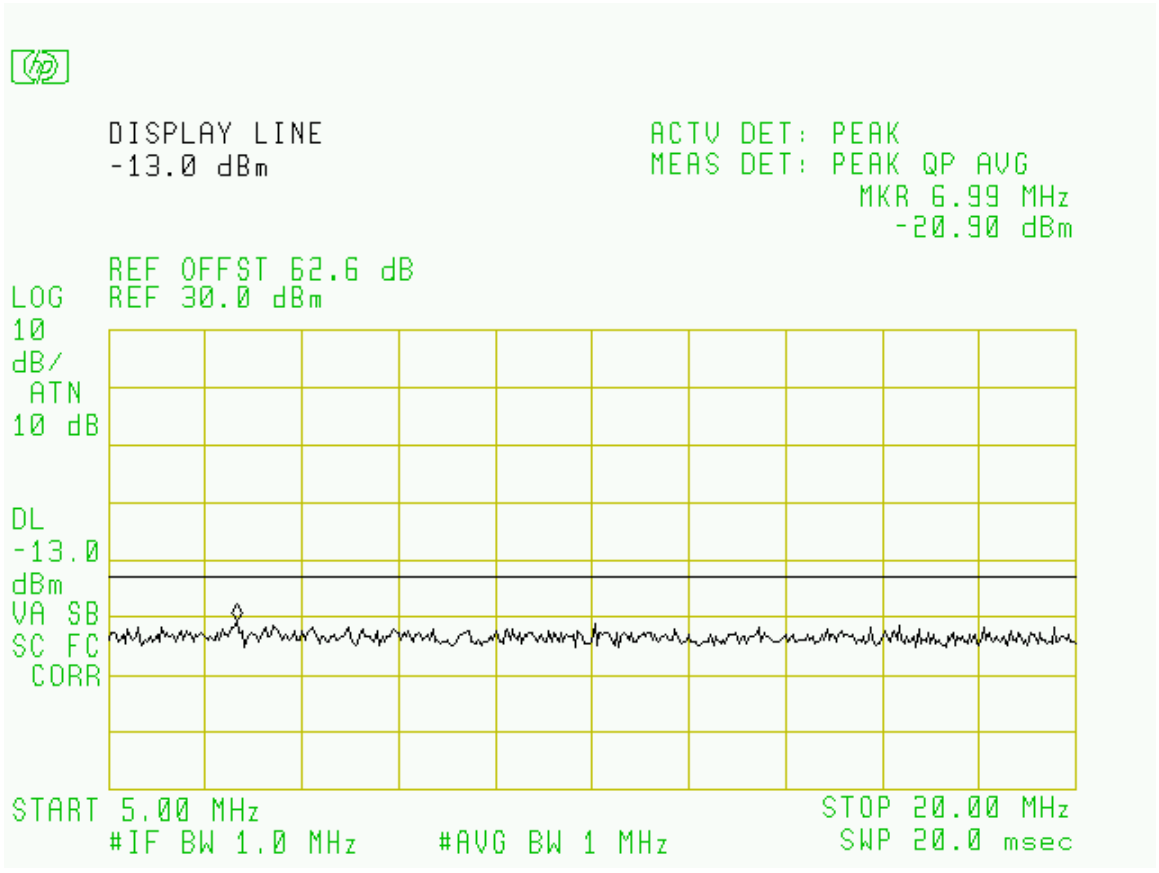
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



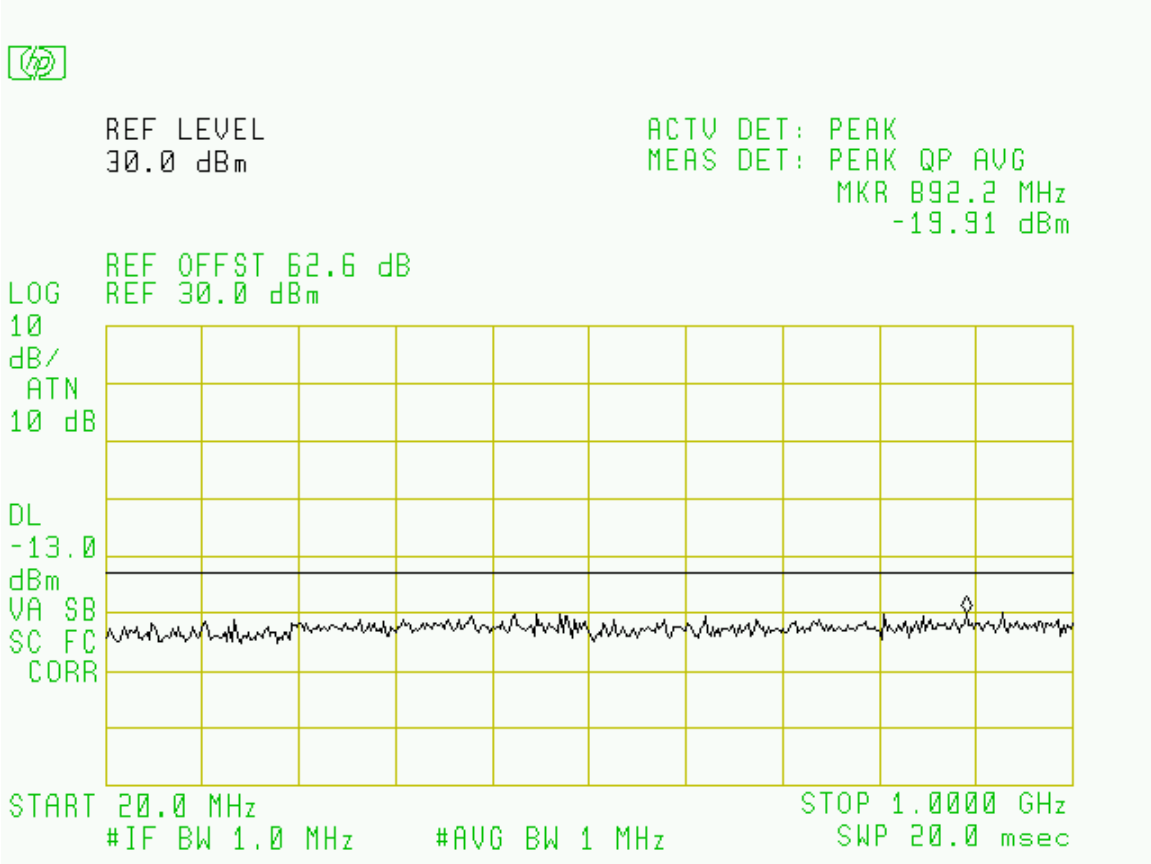
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



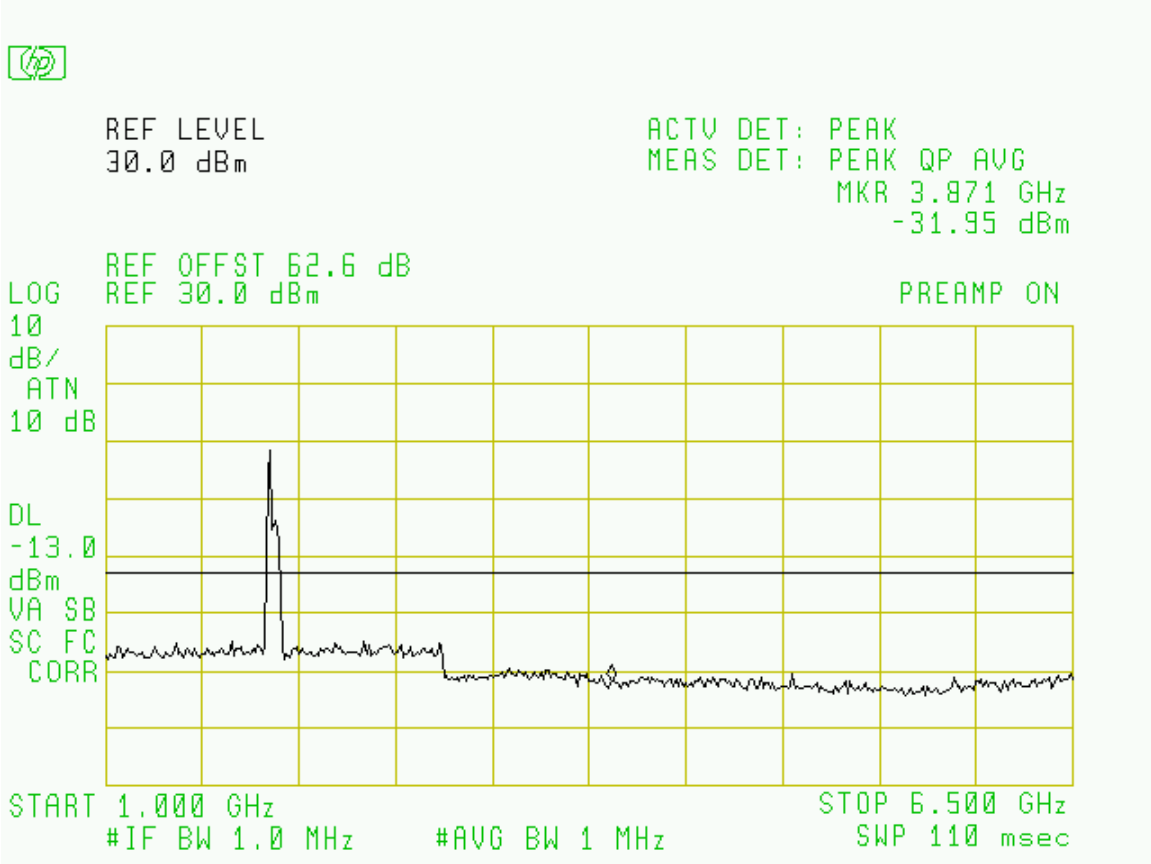
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



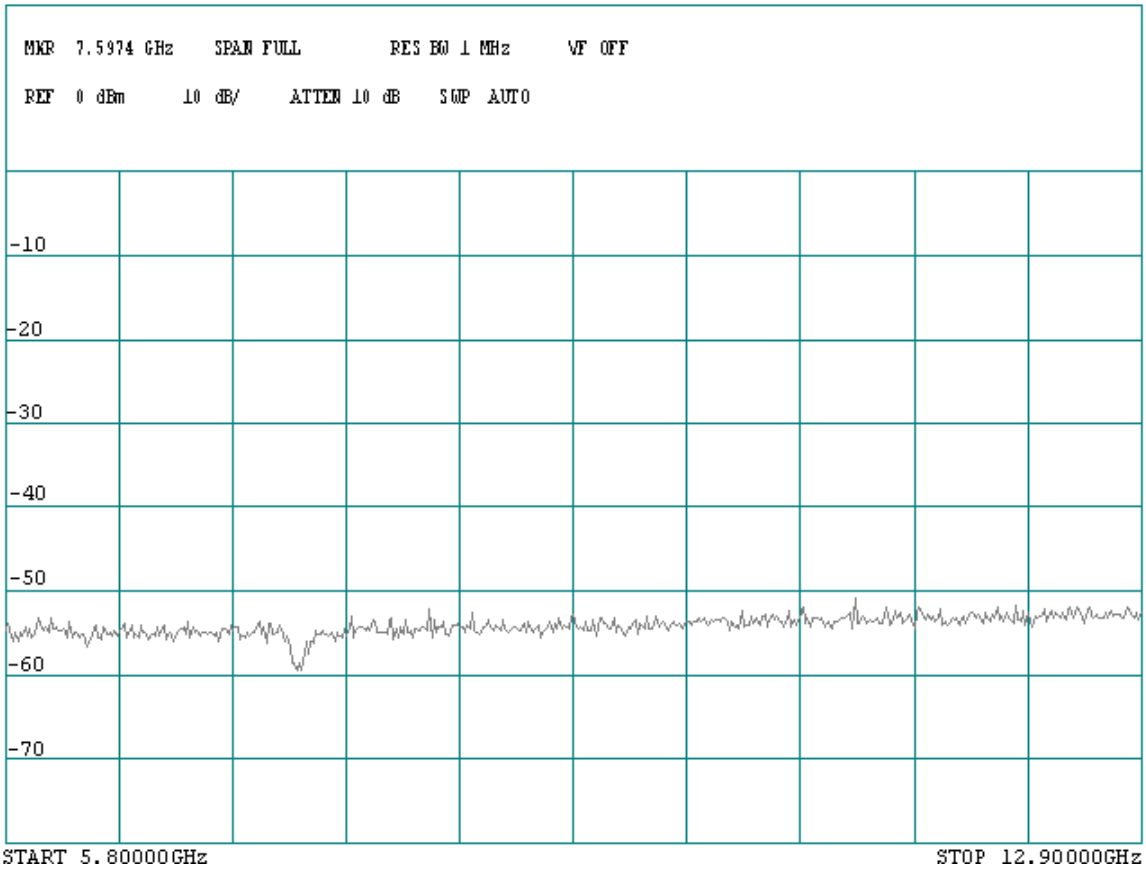
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT * 2nd Harmonic Average Reading =-21.72dBm



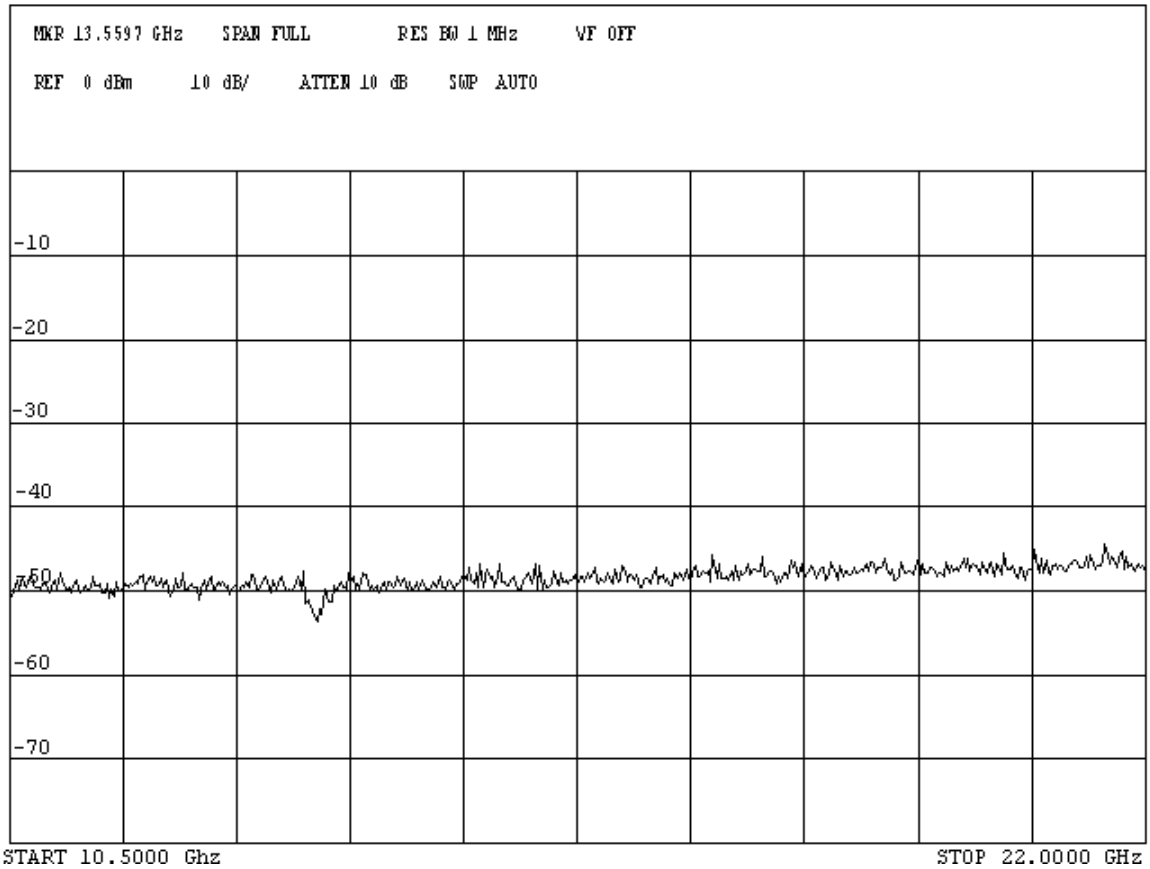
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



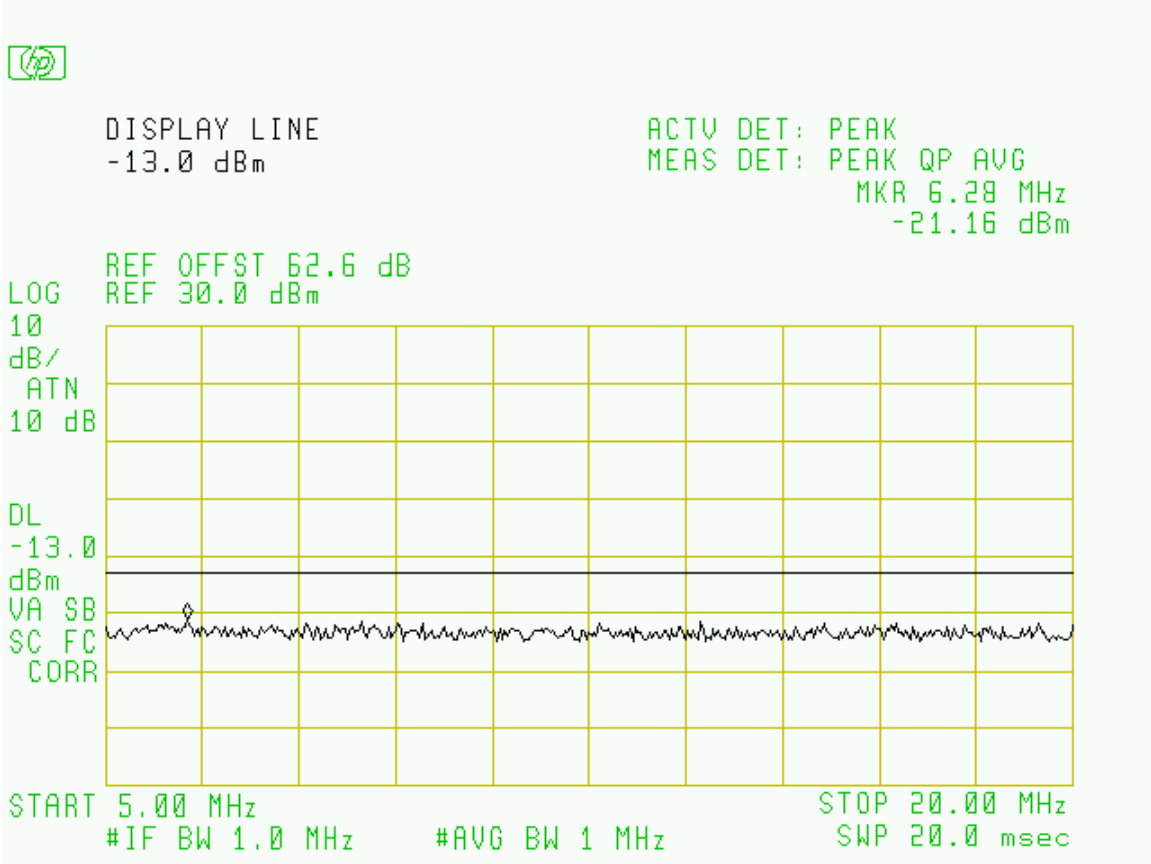
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



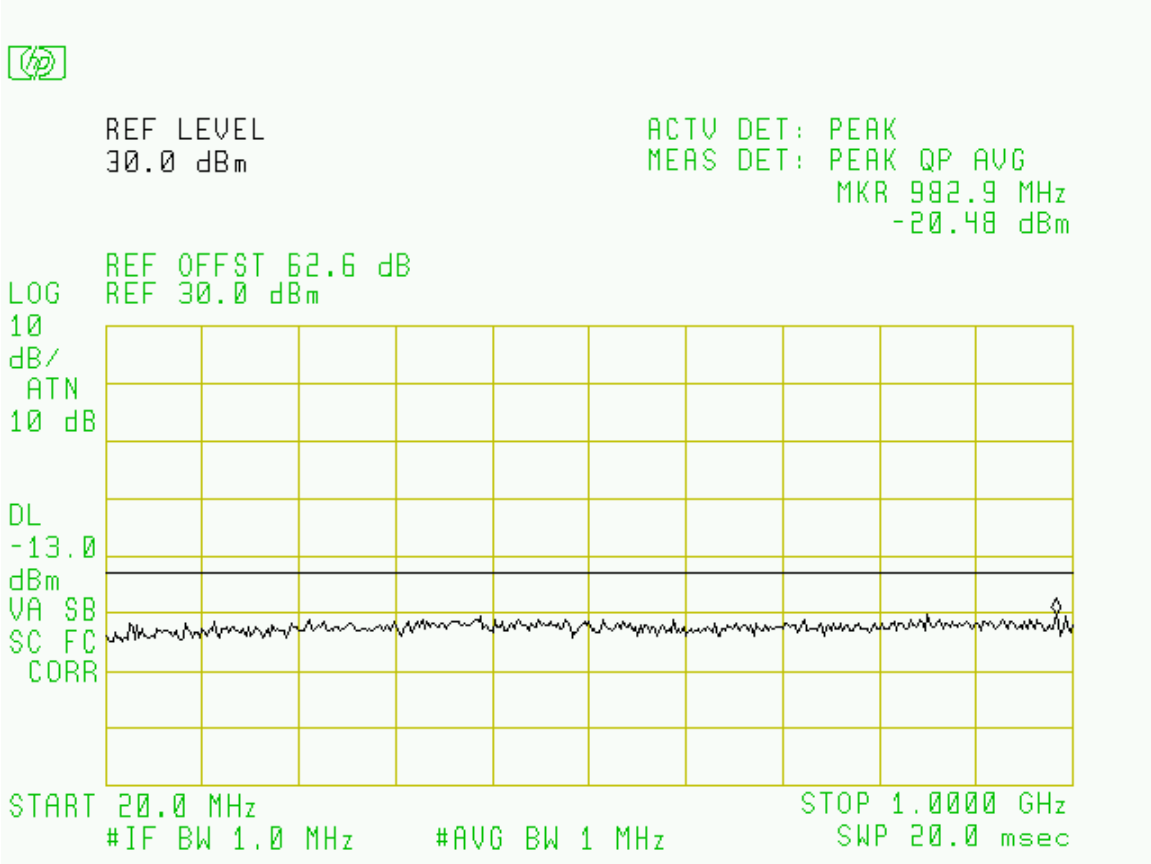
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



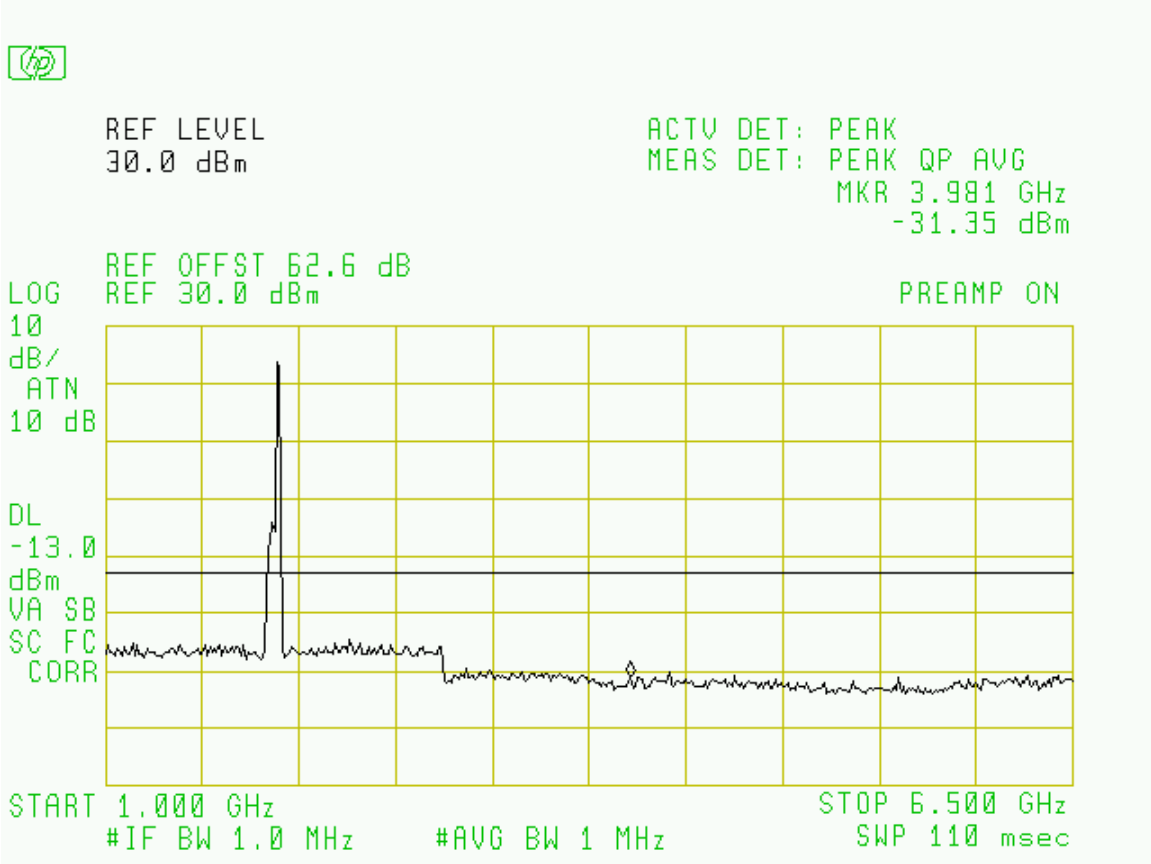
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



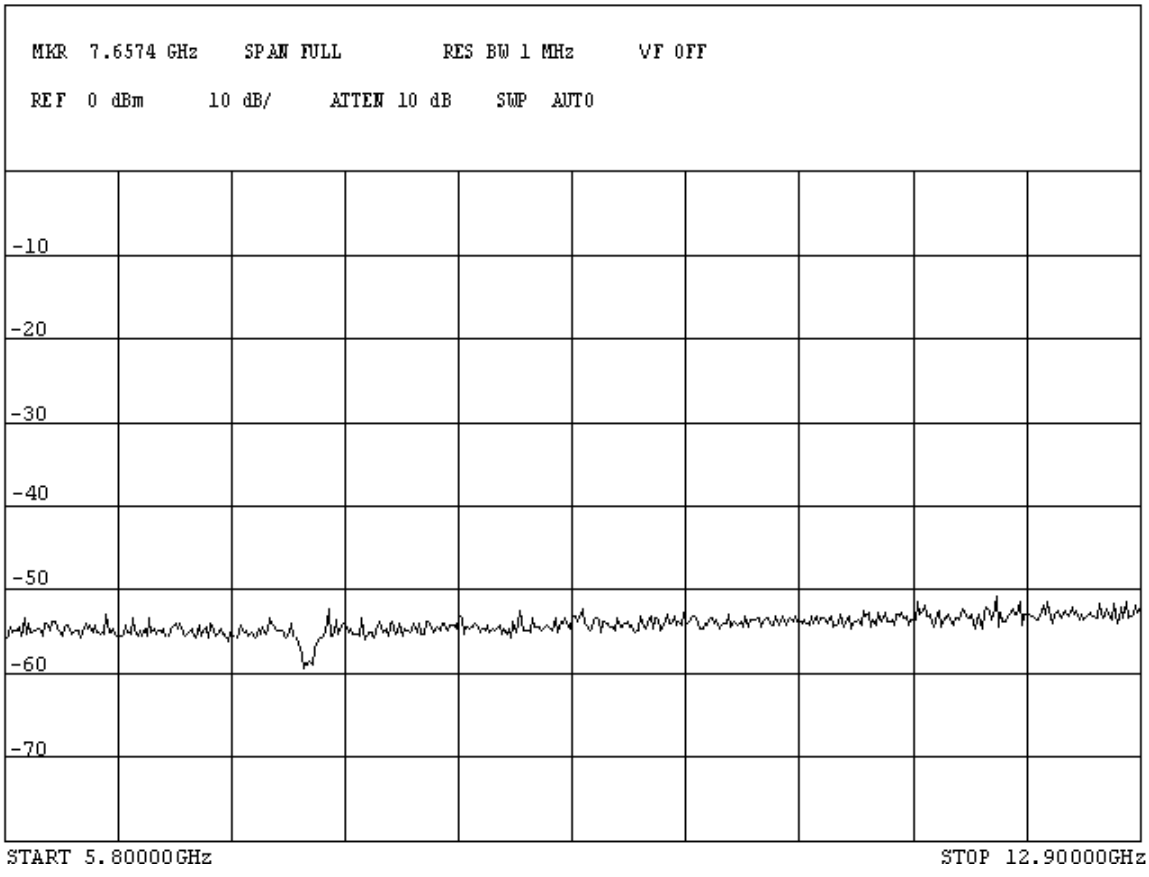
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



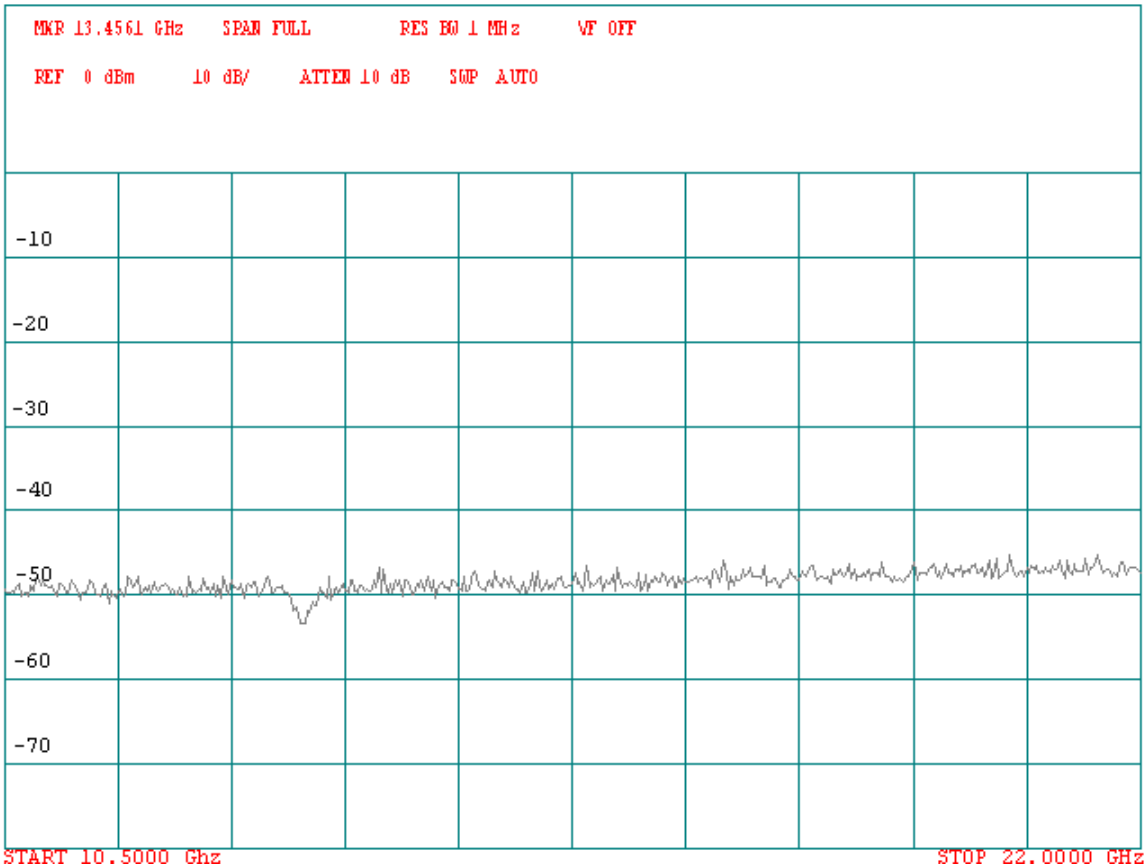
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



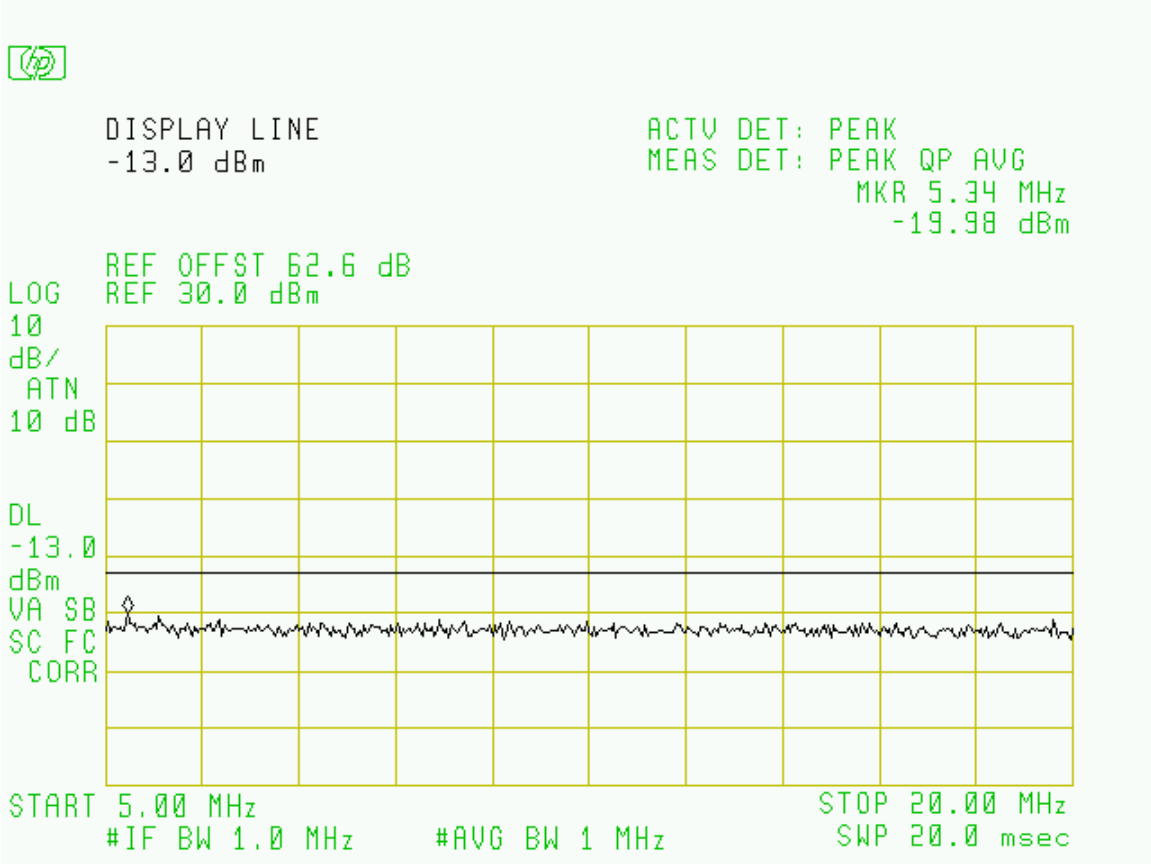
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



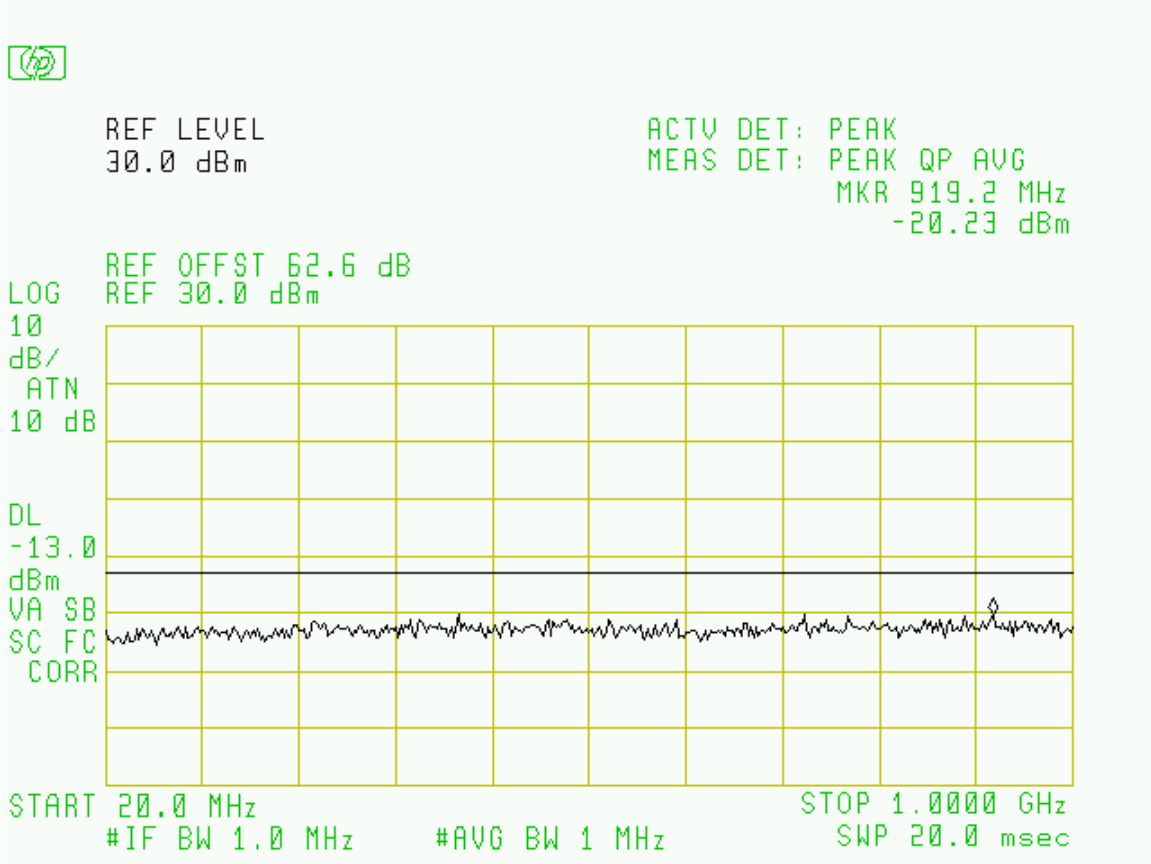
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



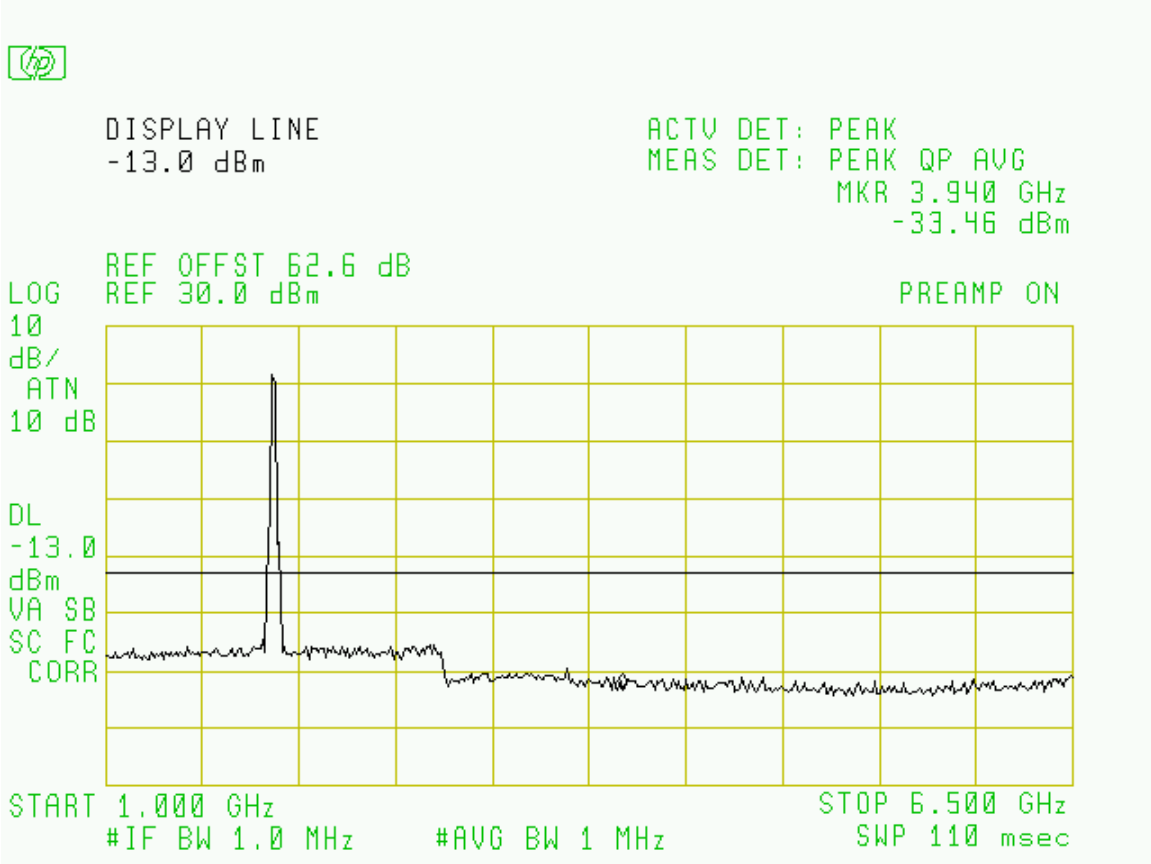
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



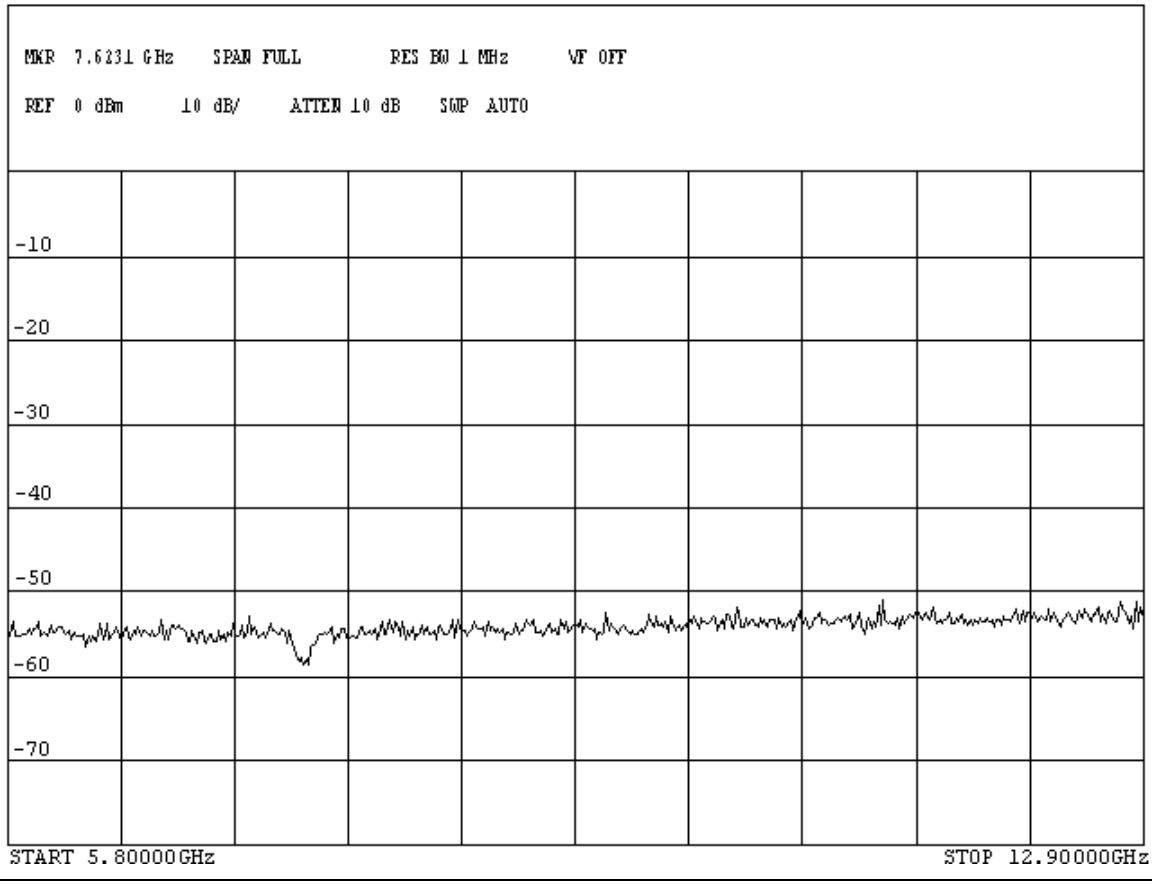
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



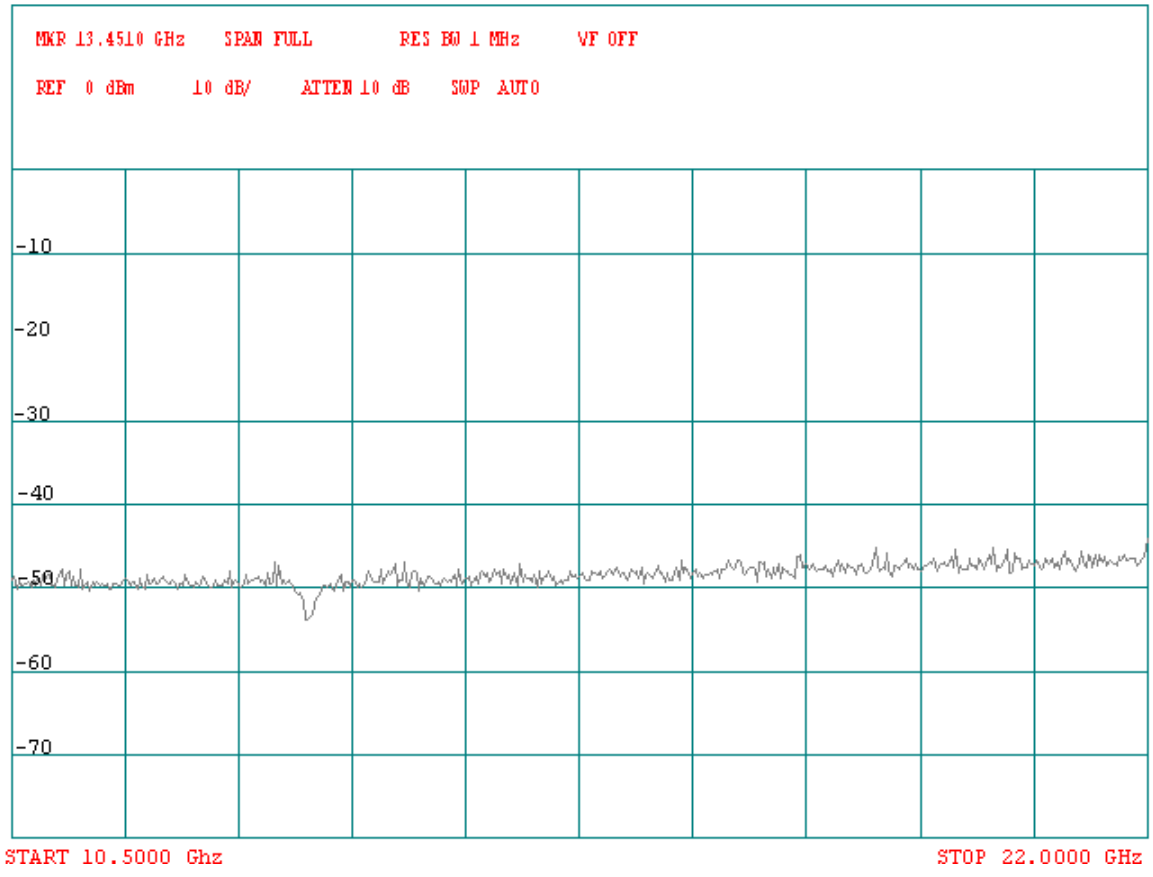
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



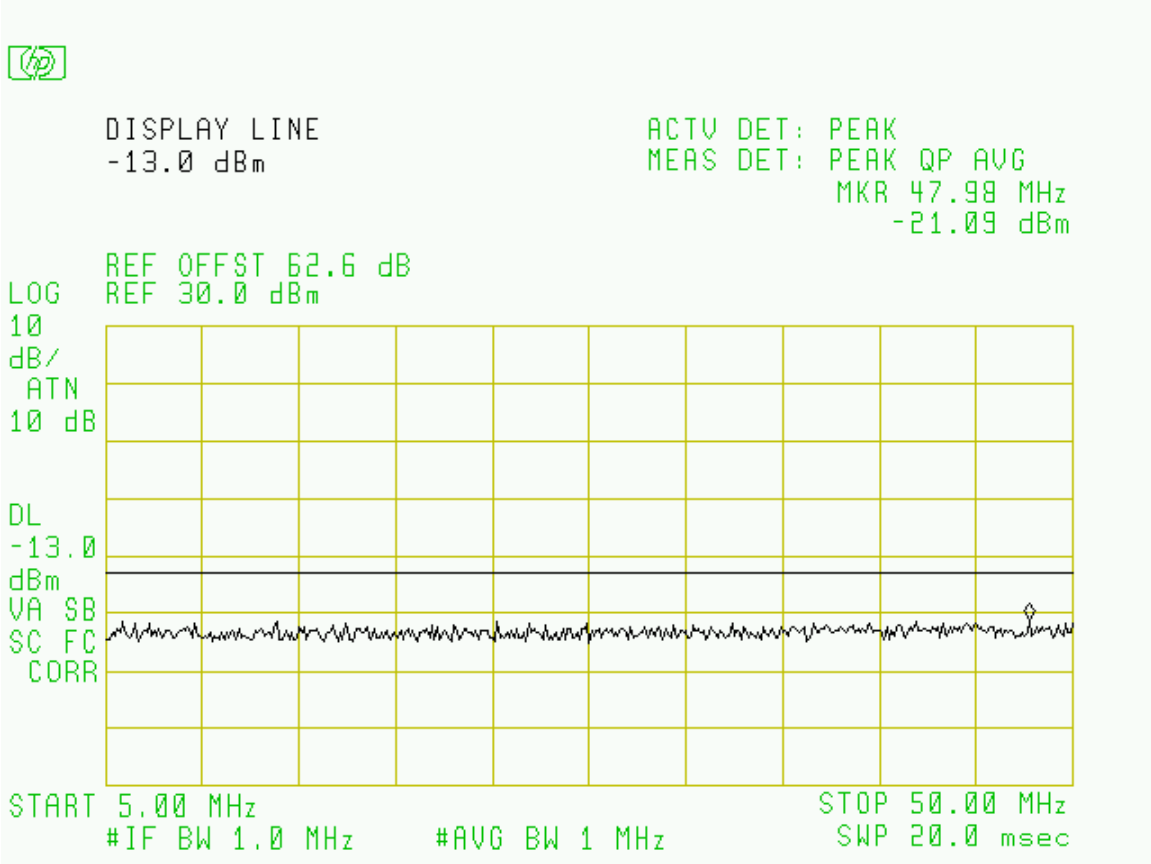
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



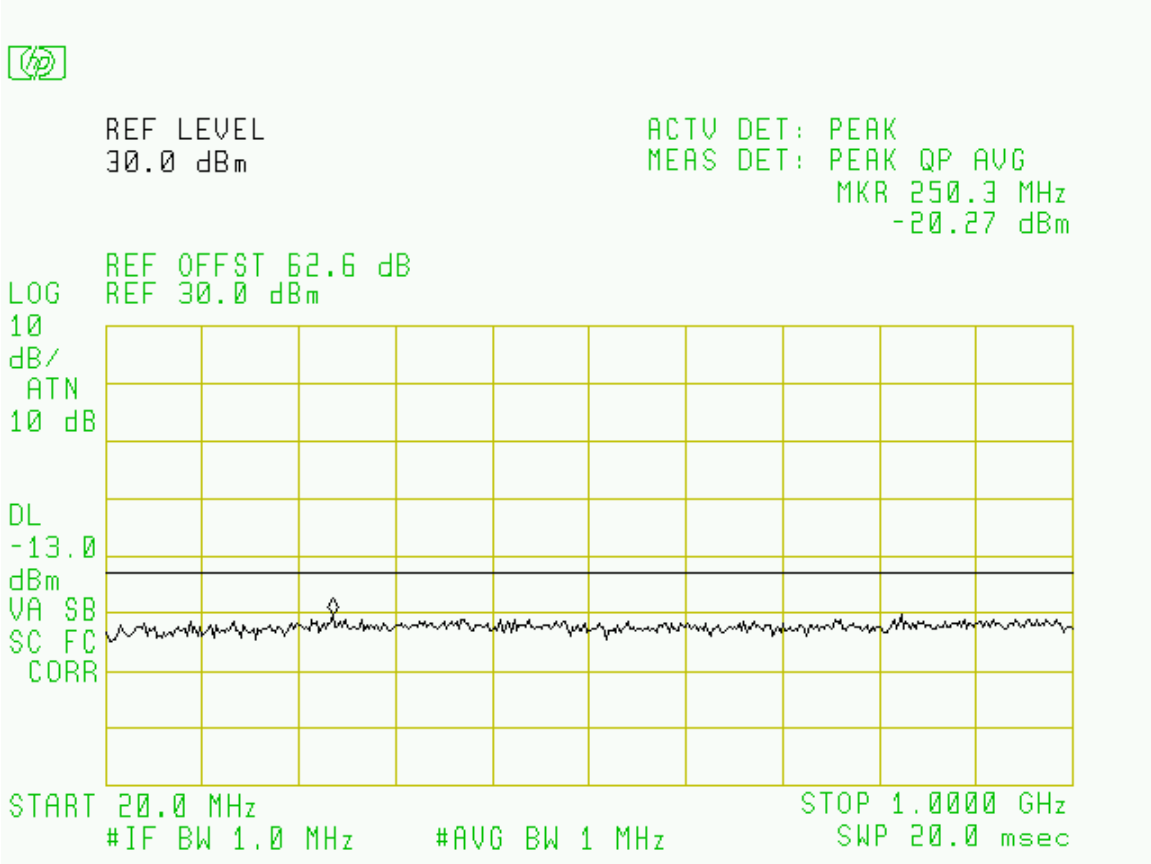
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



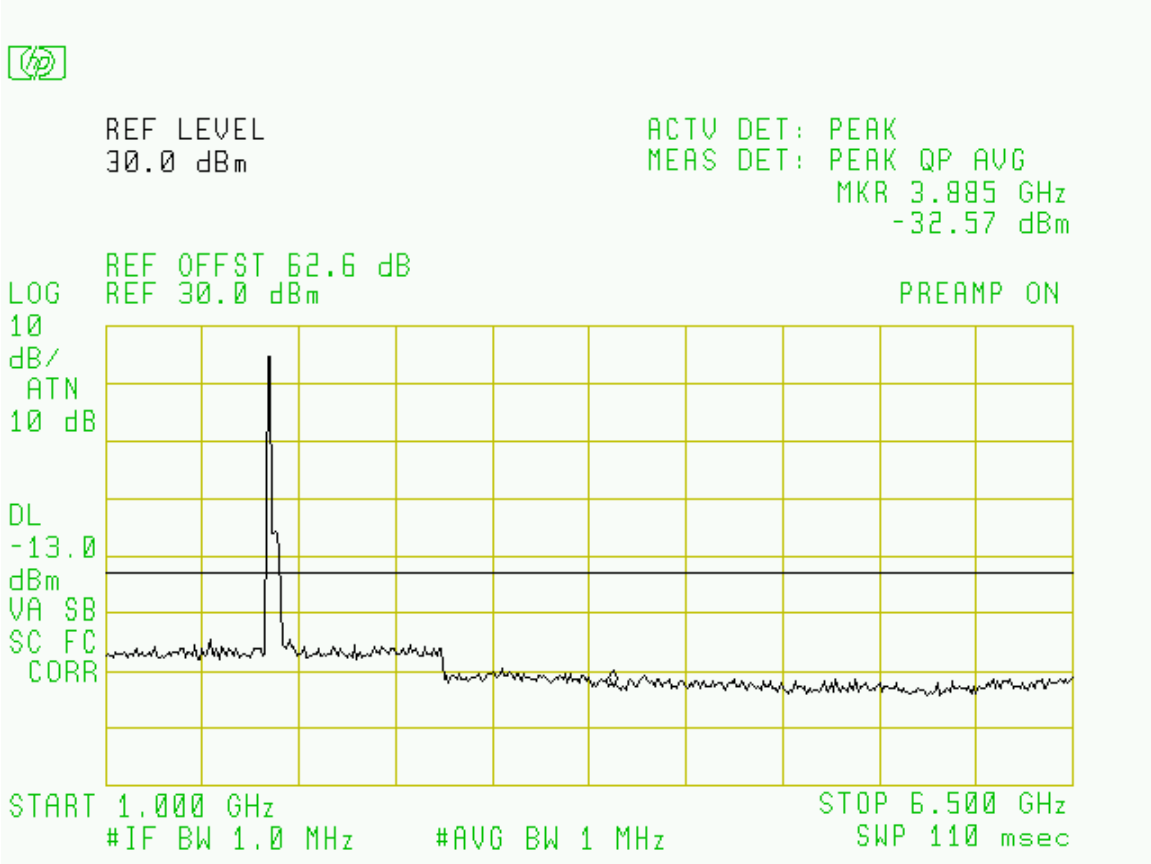
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



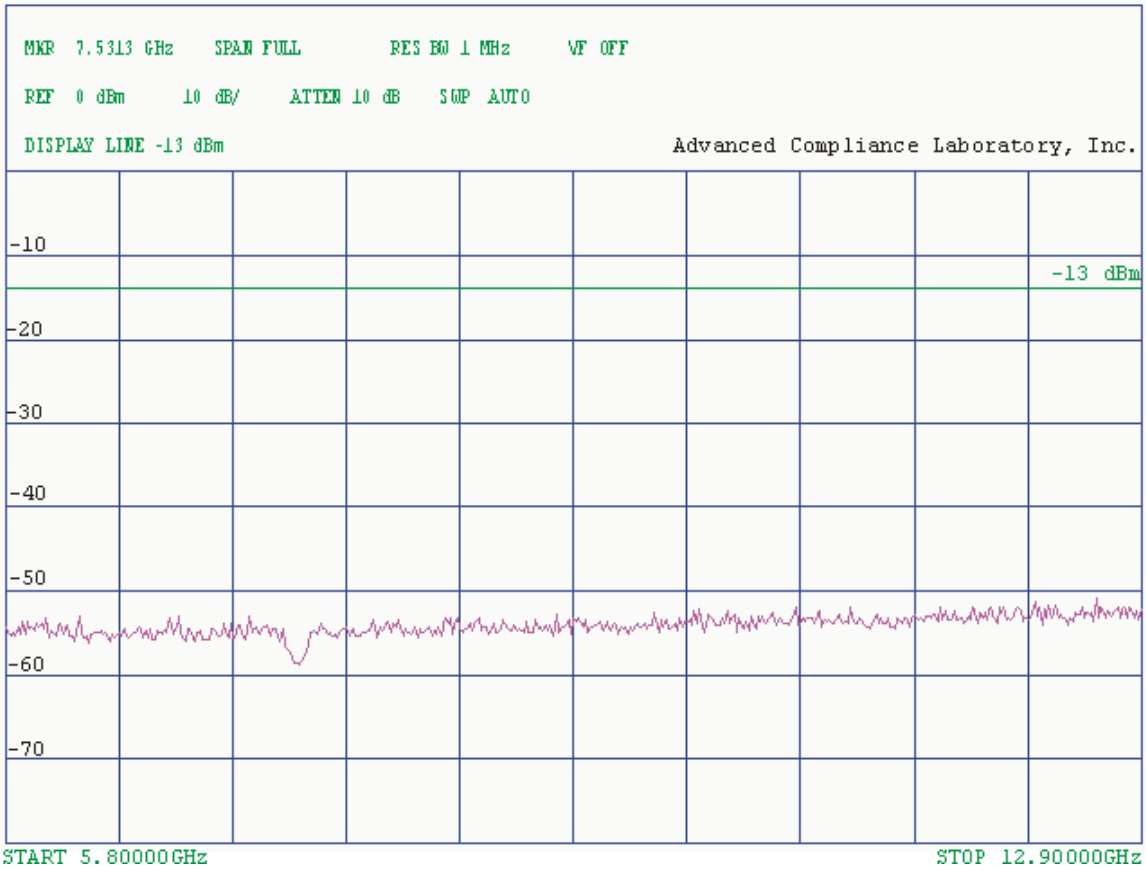
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



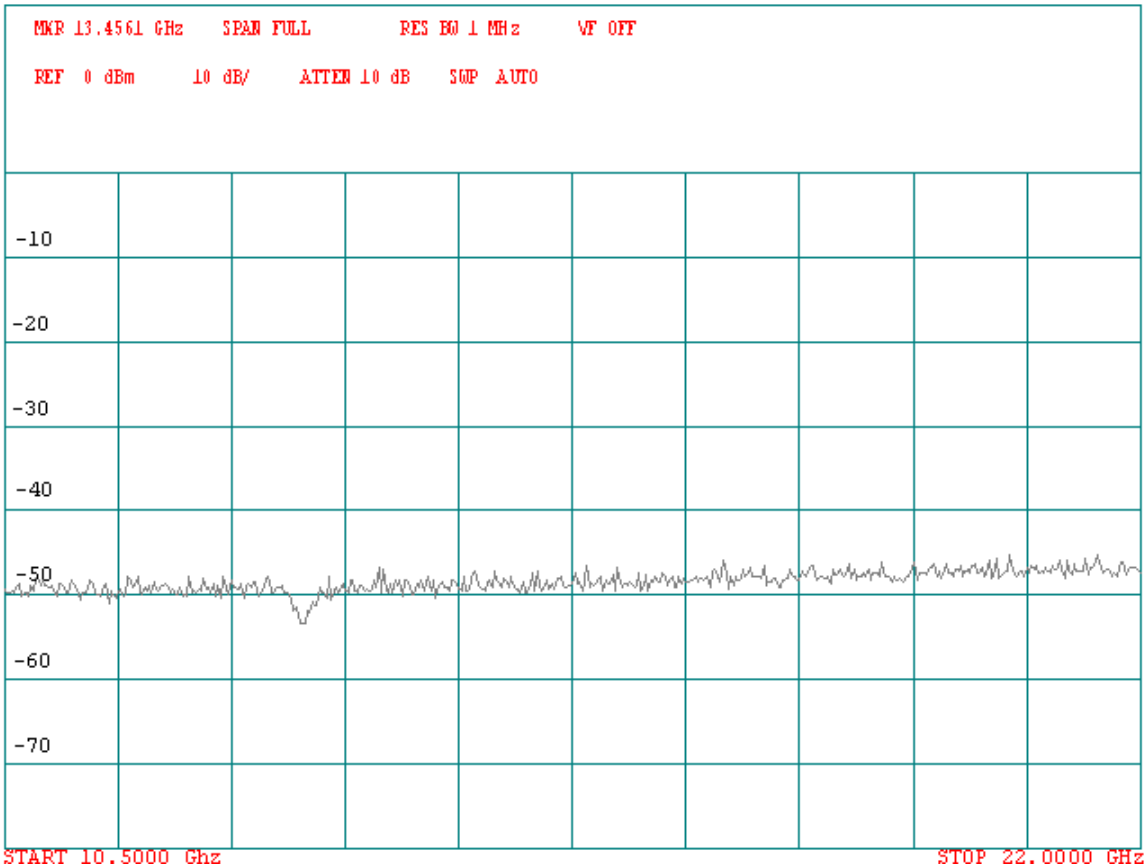
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



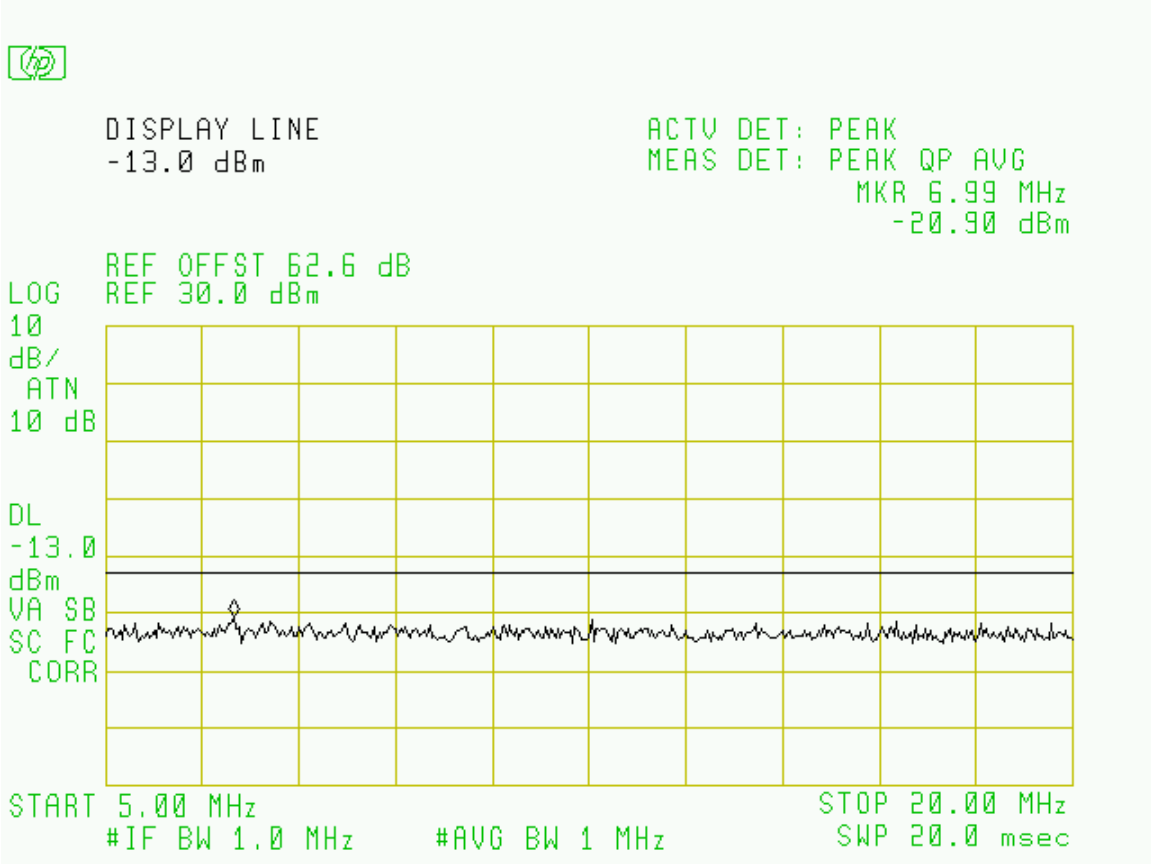
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



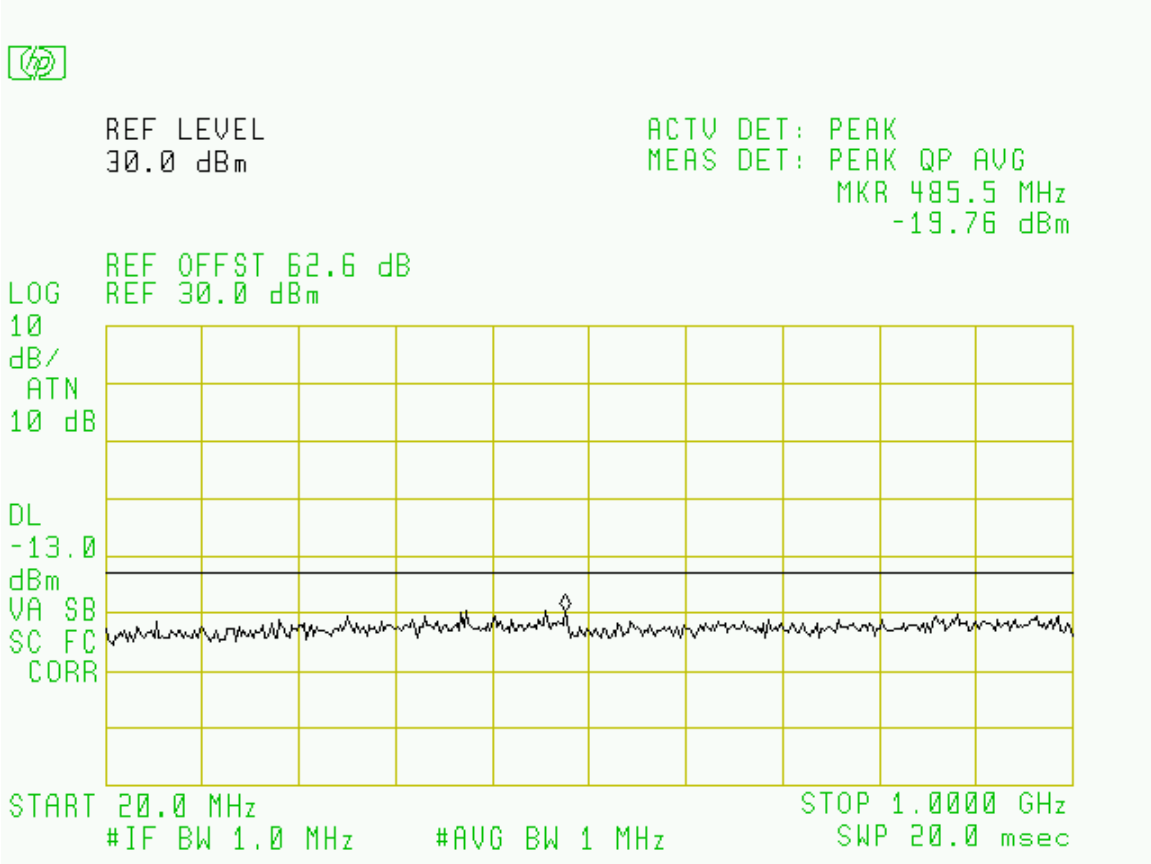
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



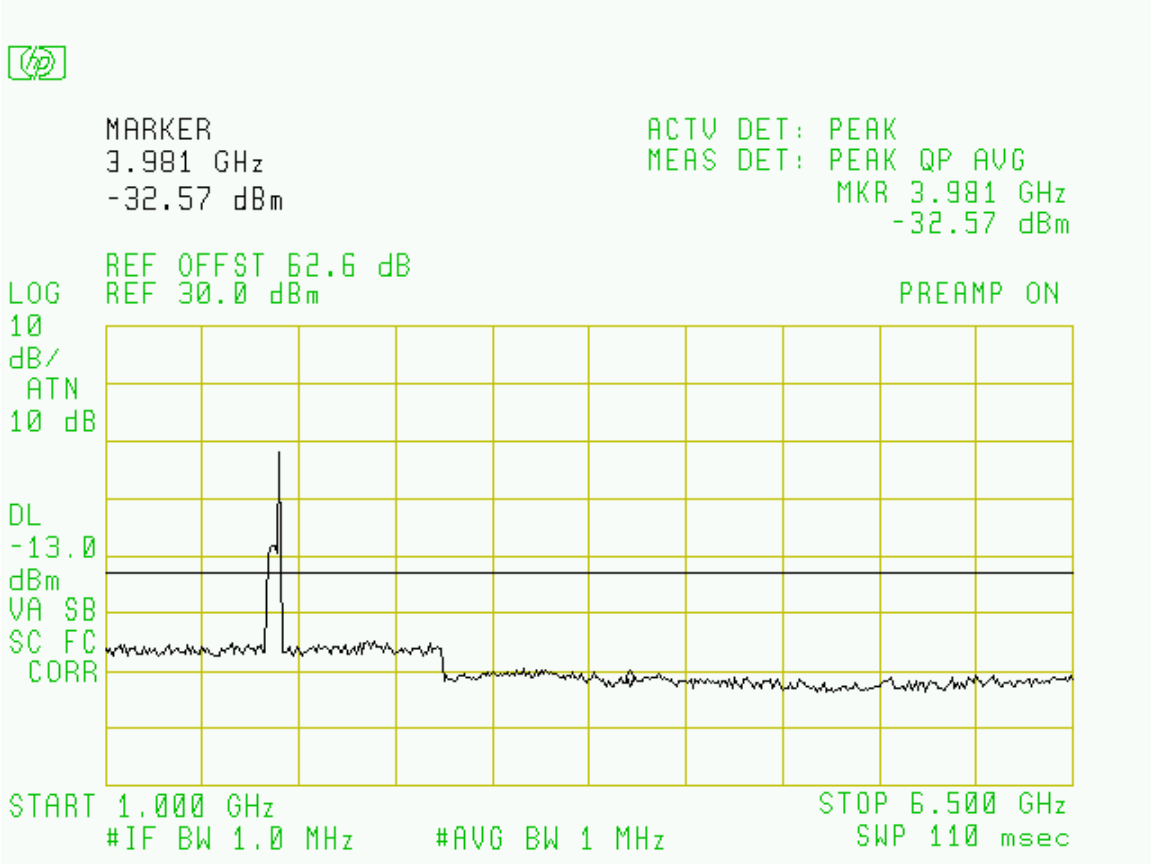
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



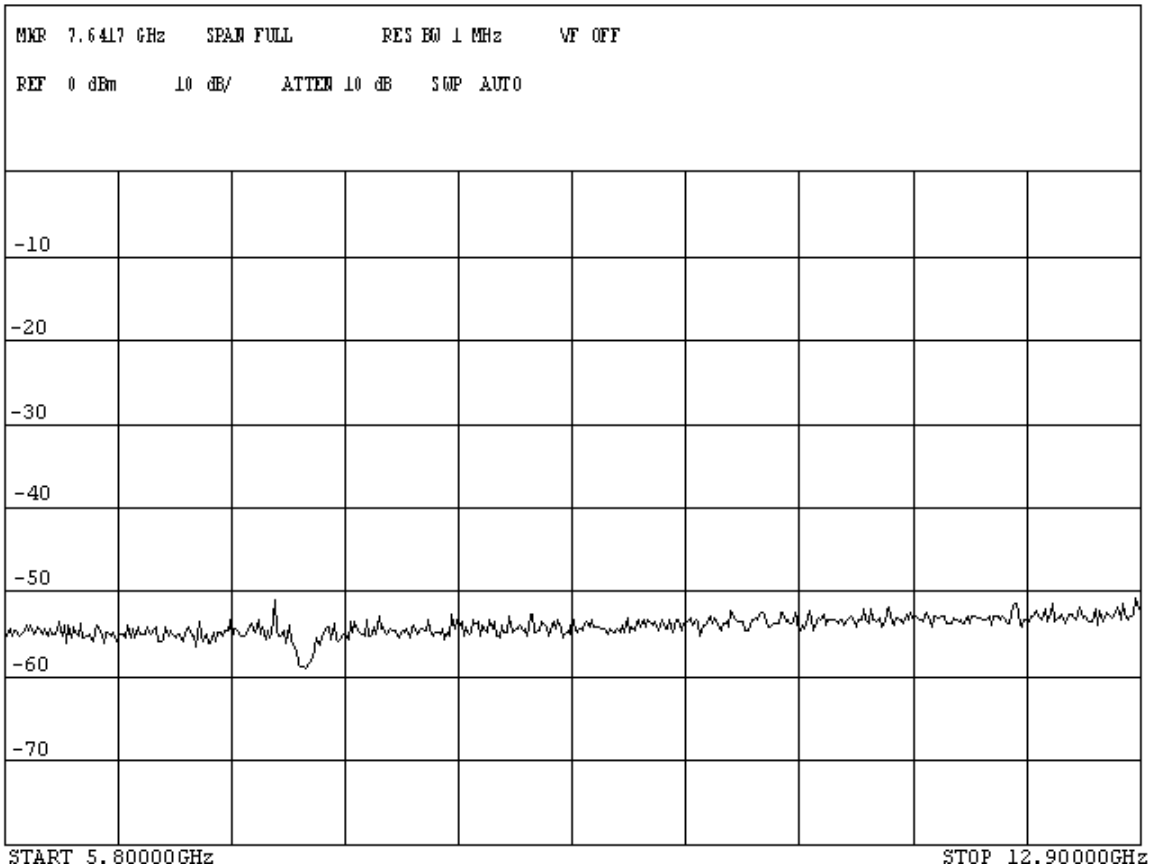
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



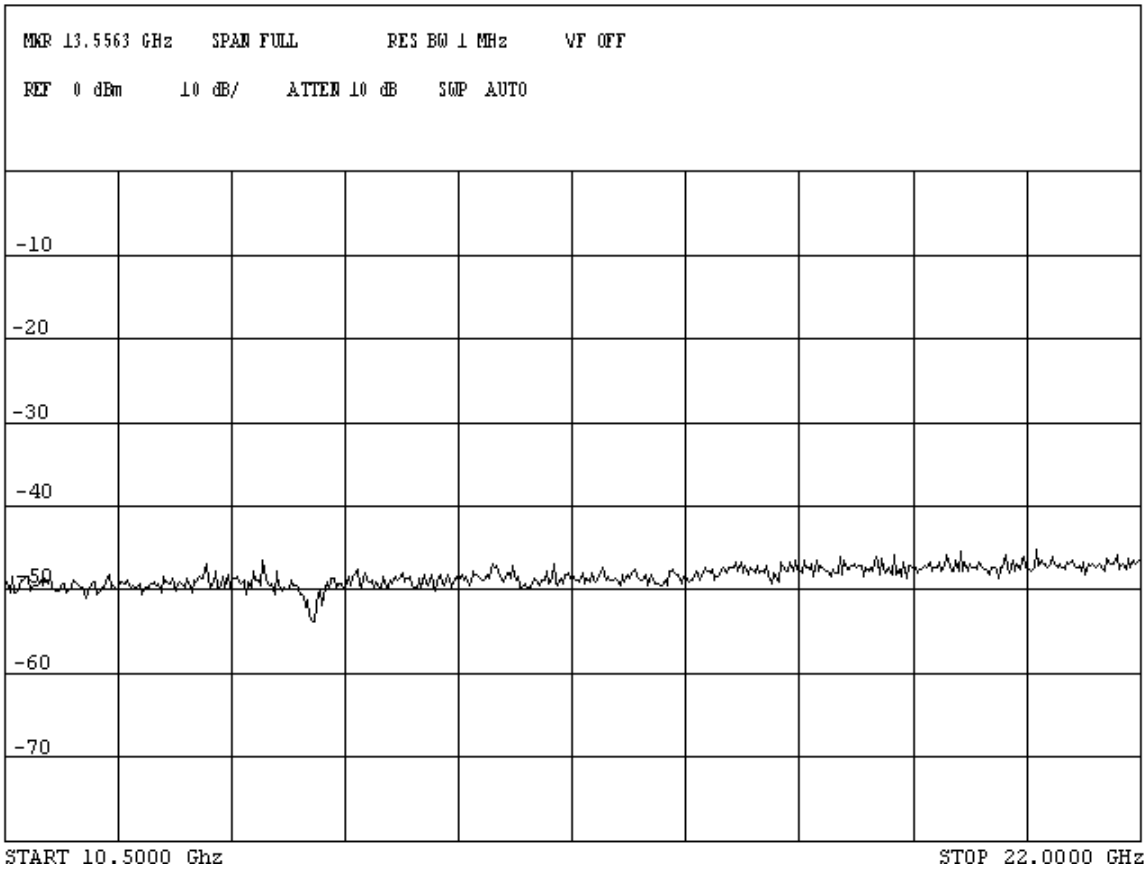
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



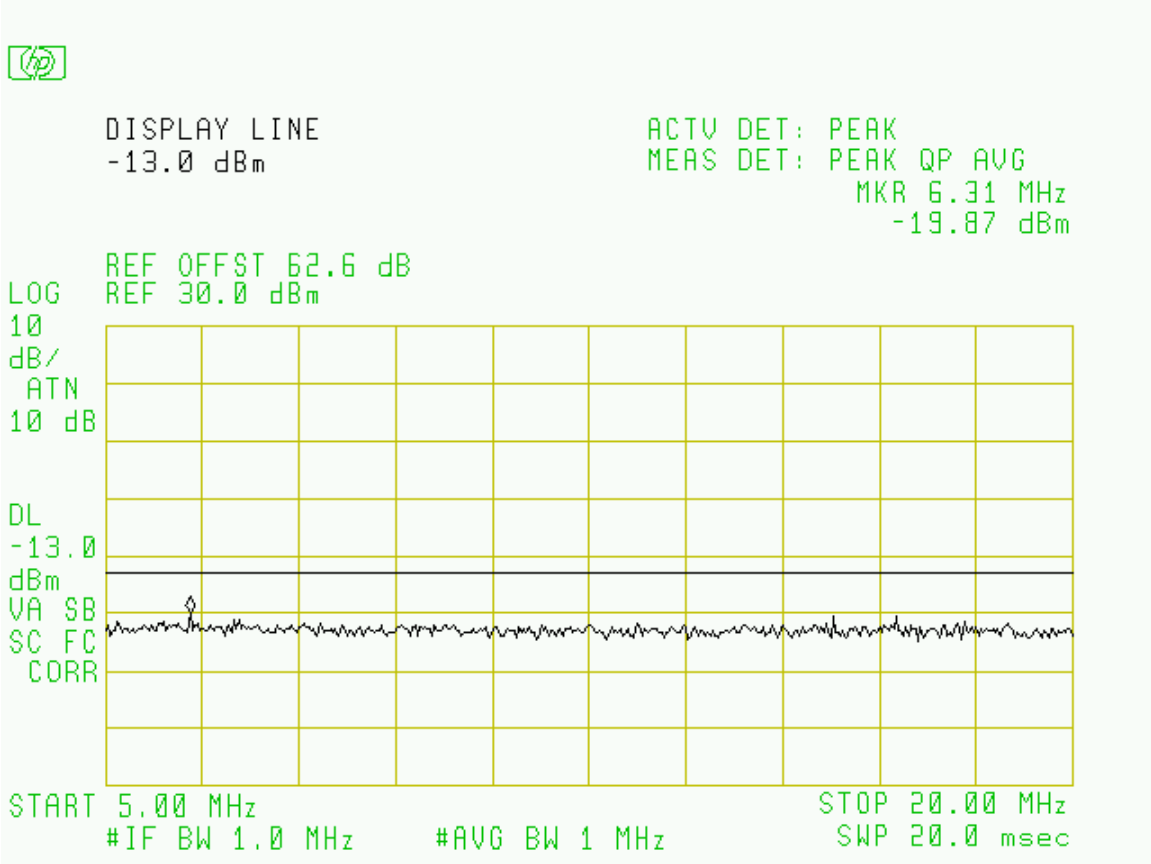
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



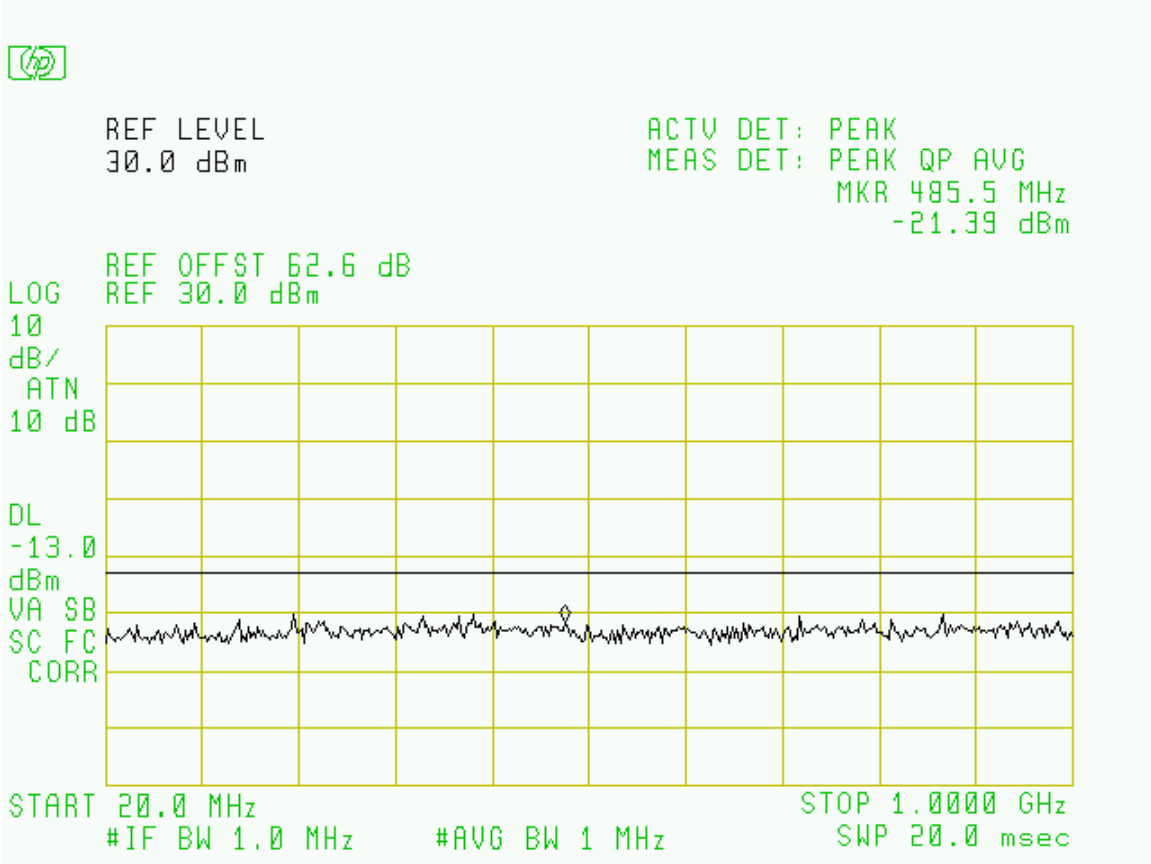
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



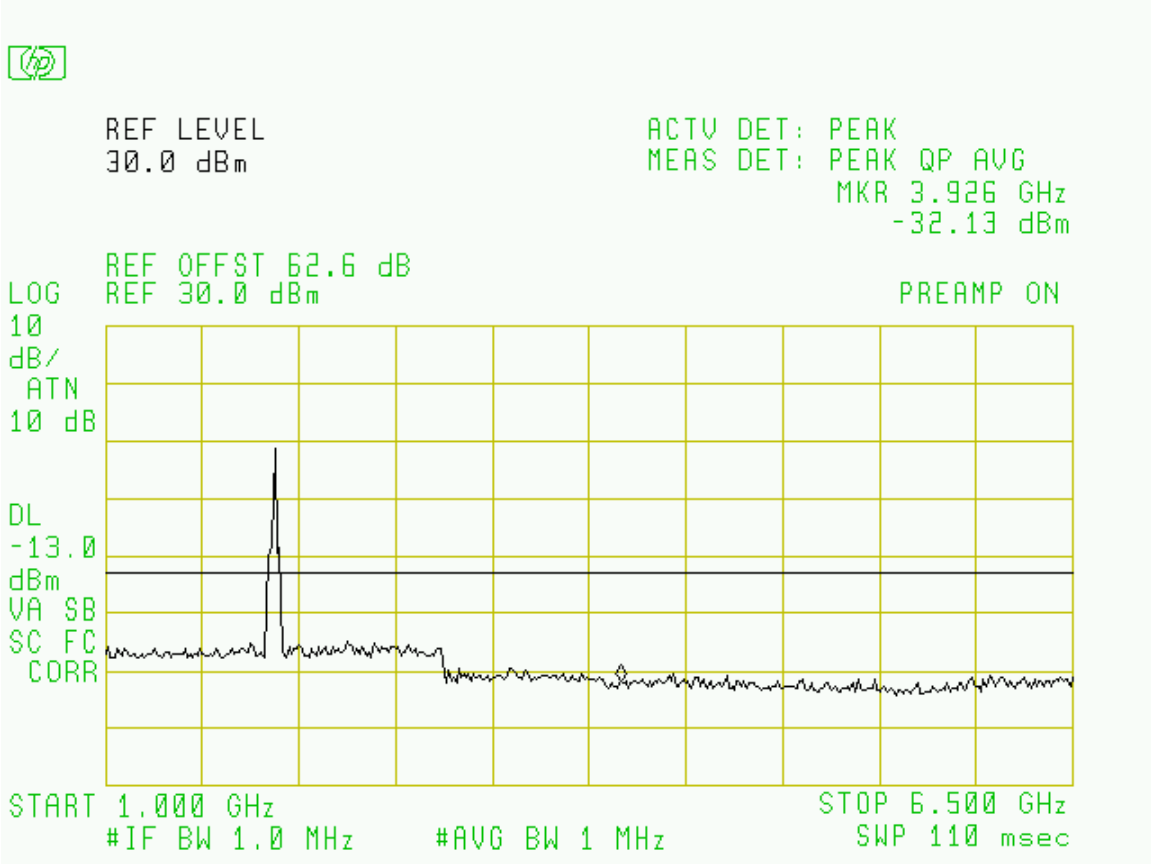
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



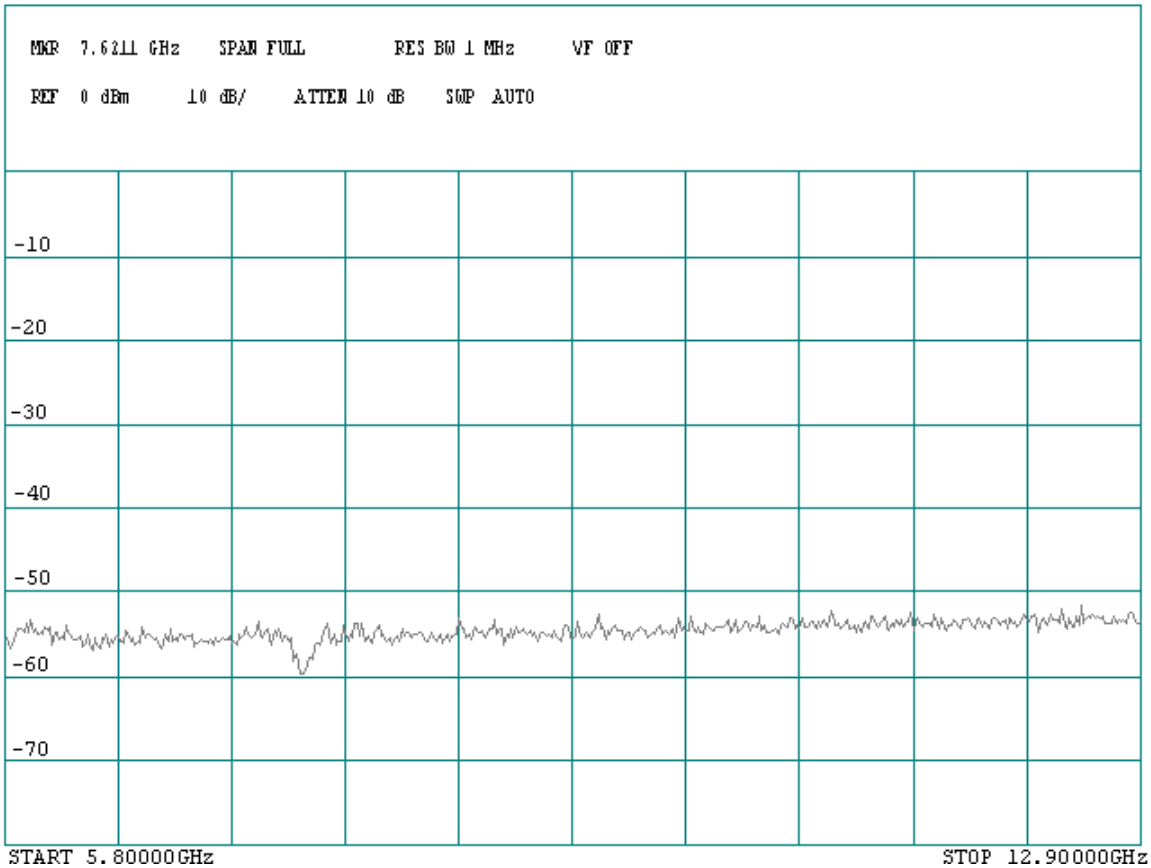
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



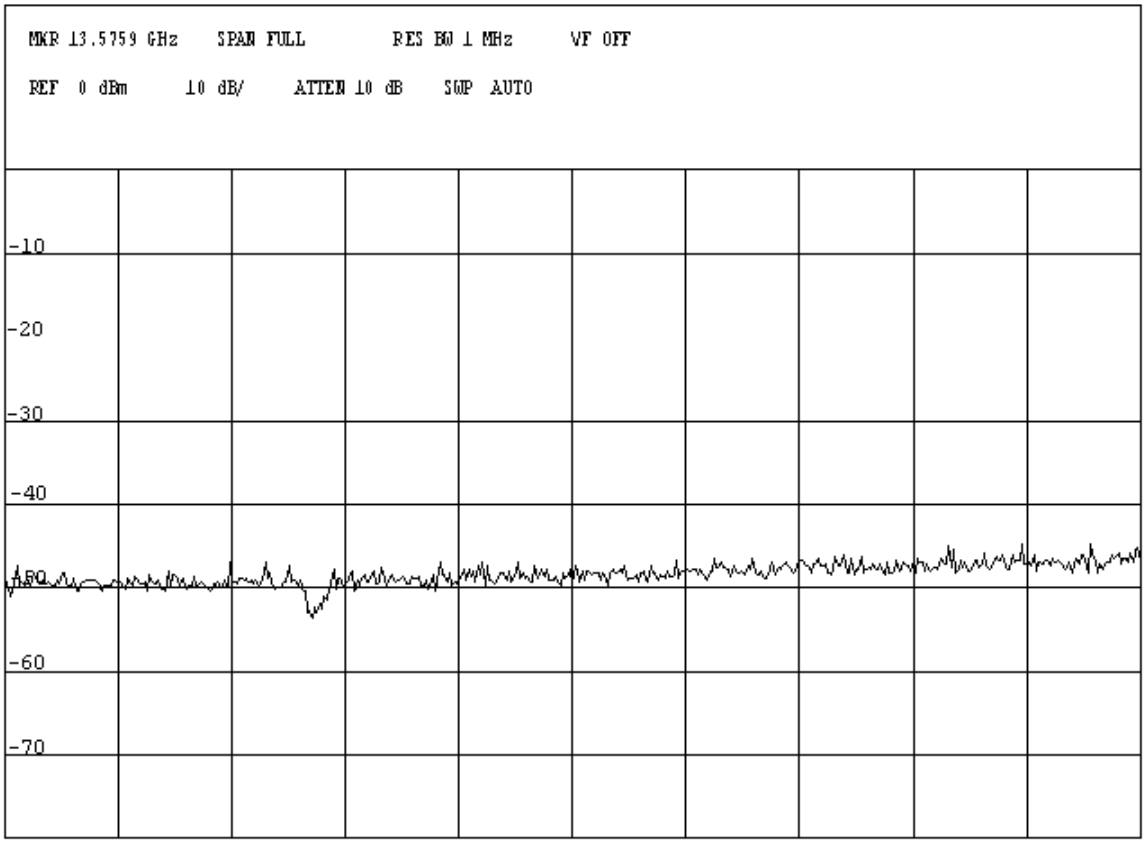
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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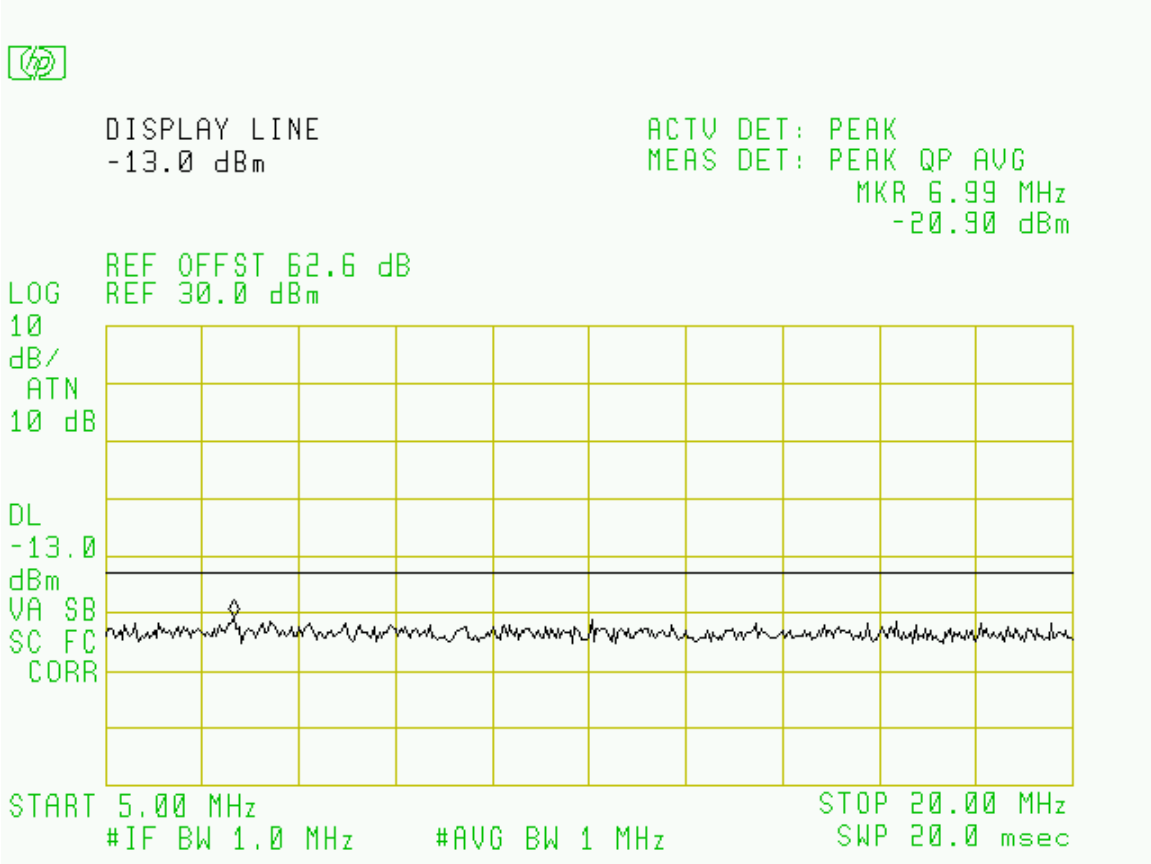
Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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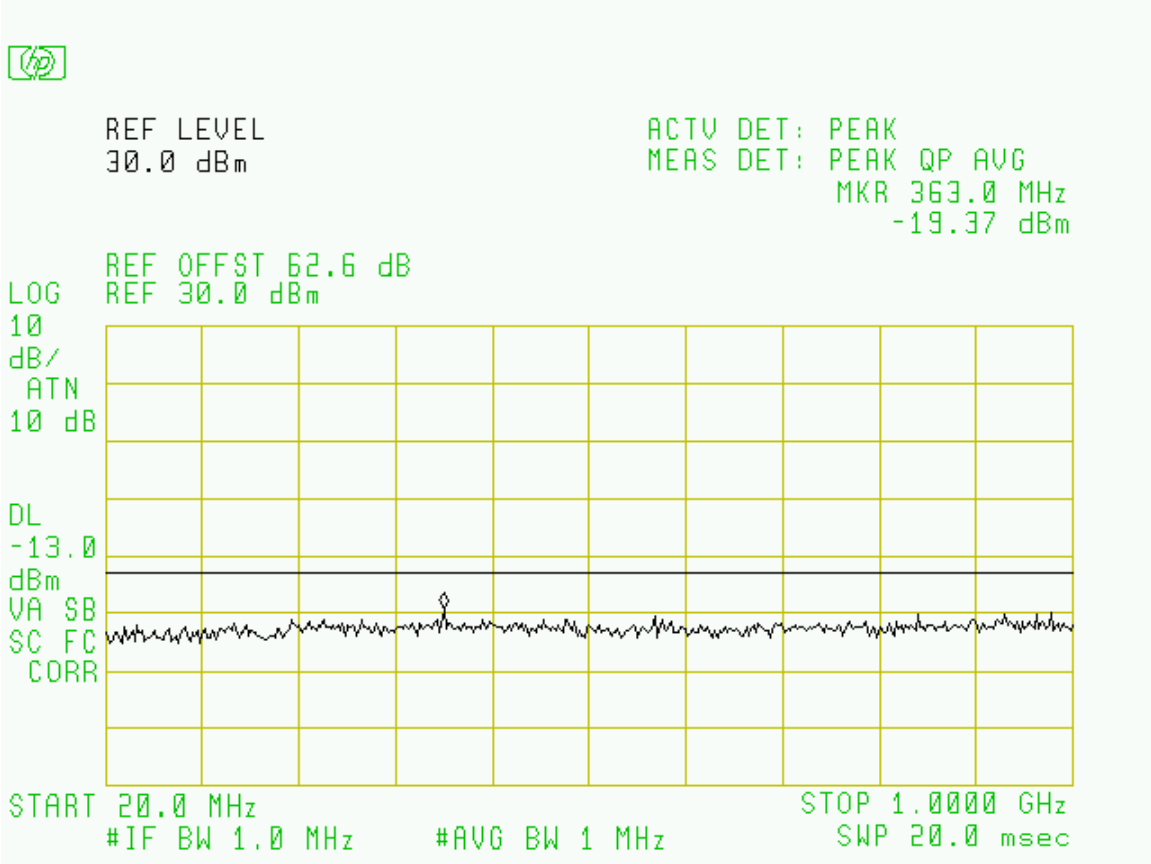
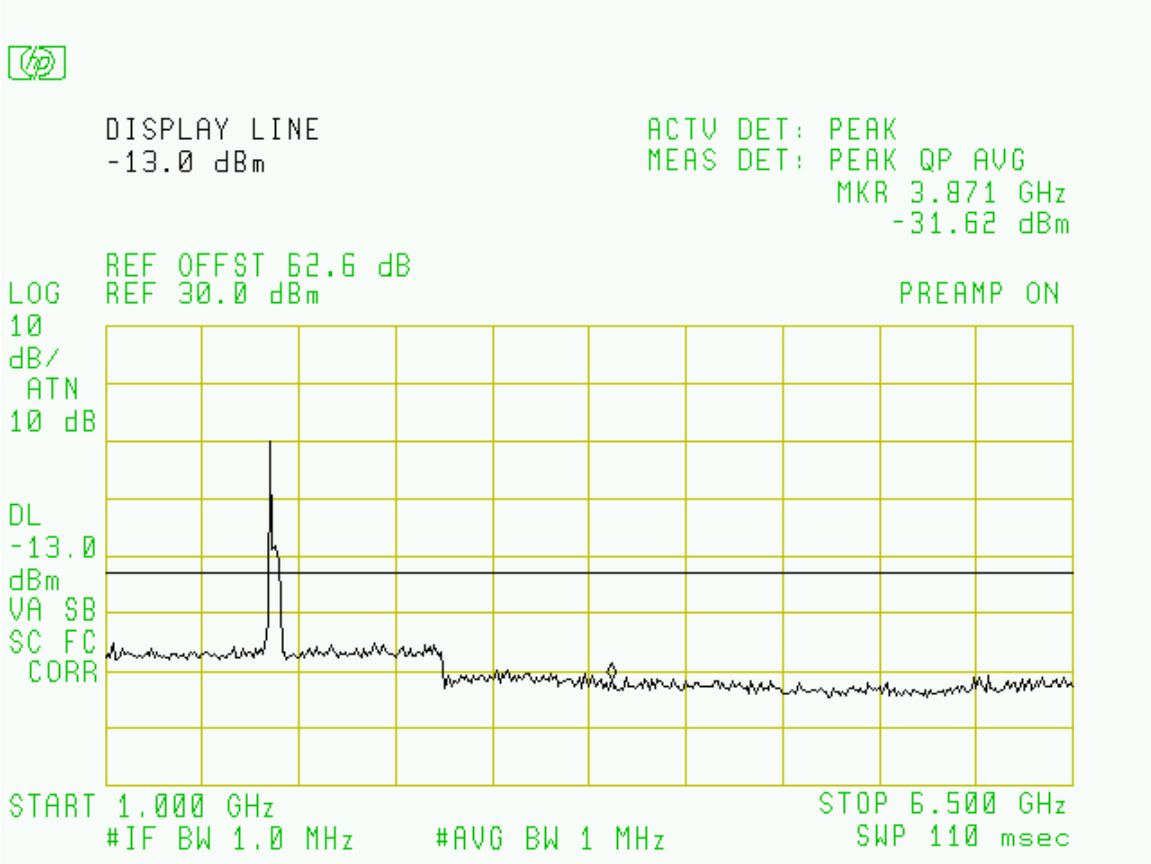
Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT * 2nd Harmonic Average Reading =-21.72dBm



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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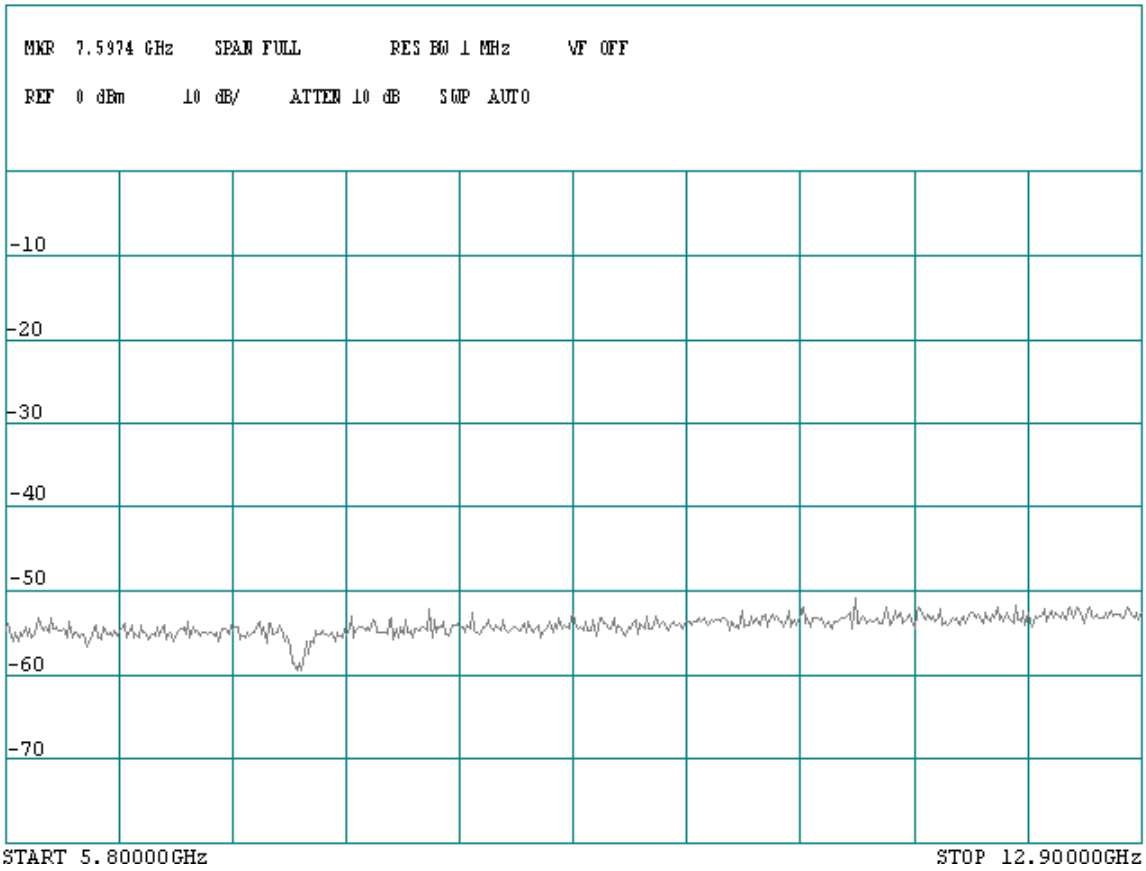
Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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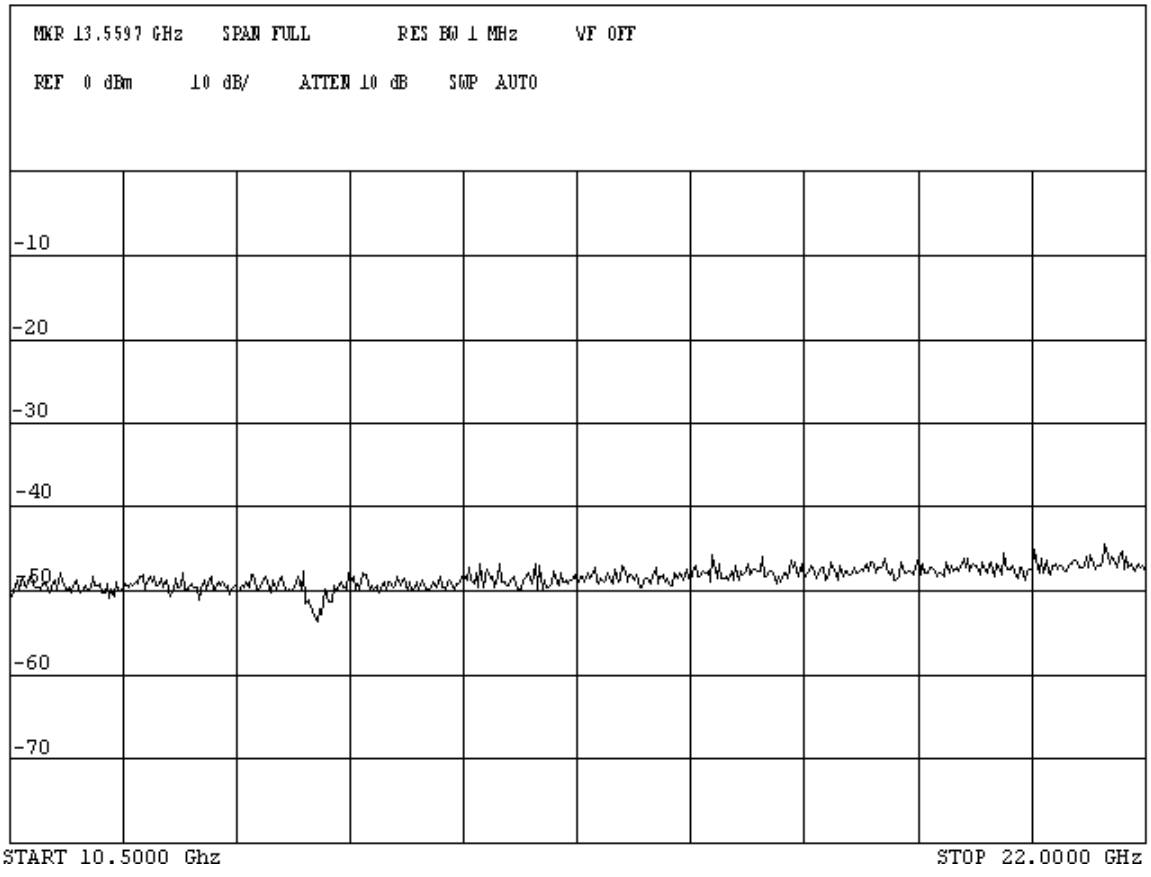
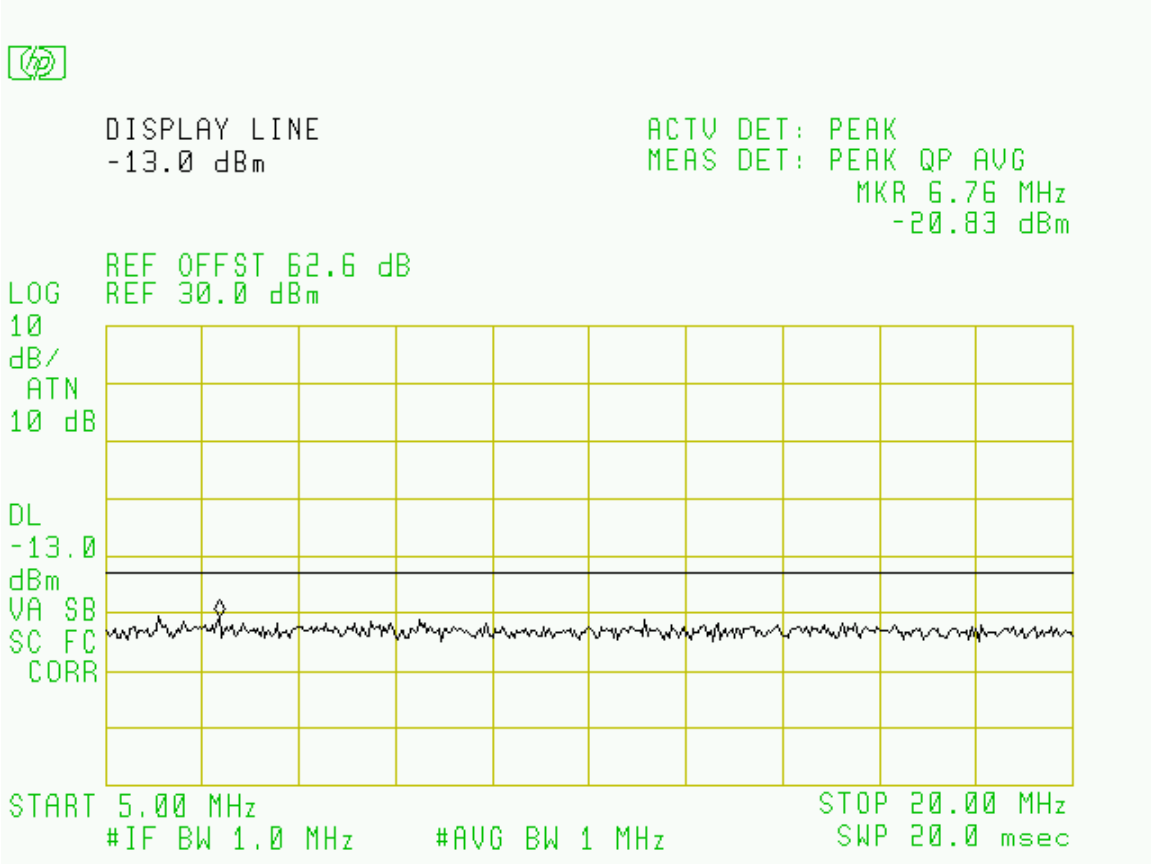
Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



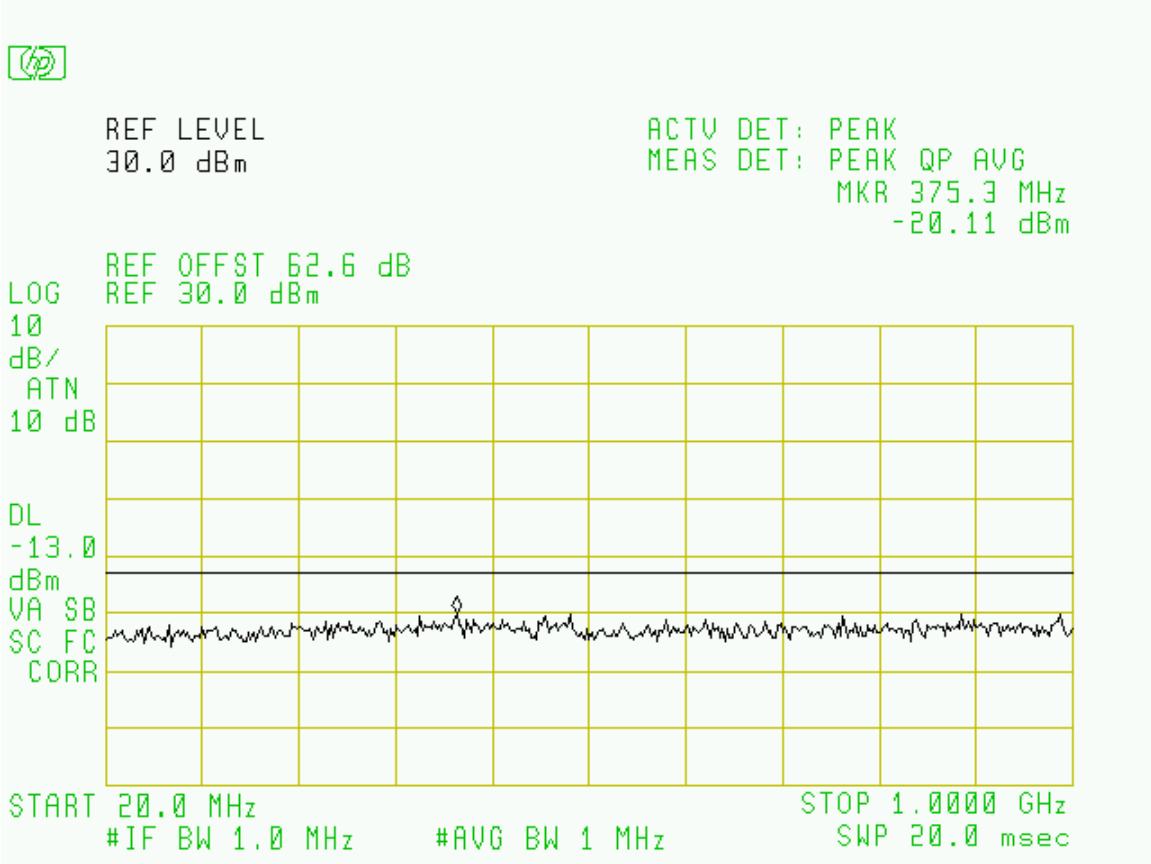
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



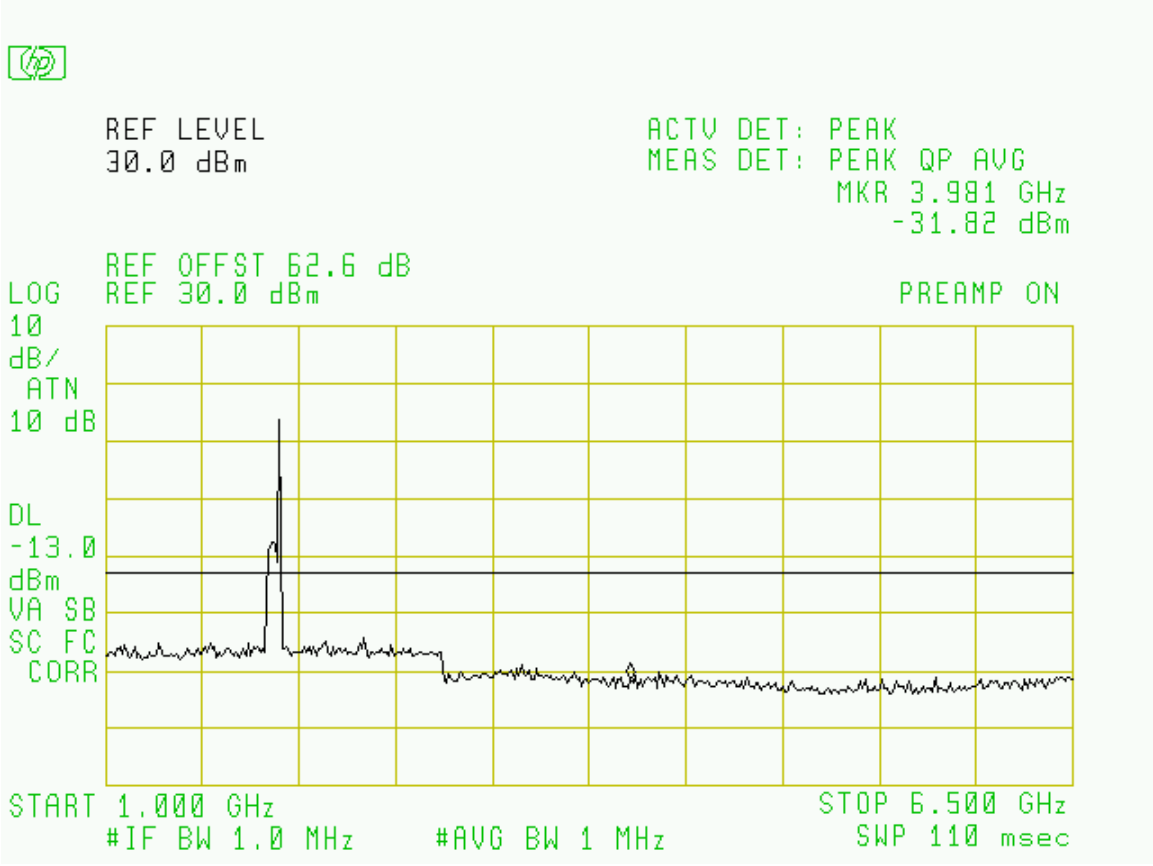
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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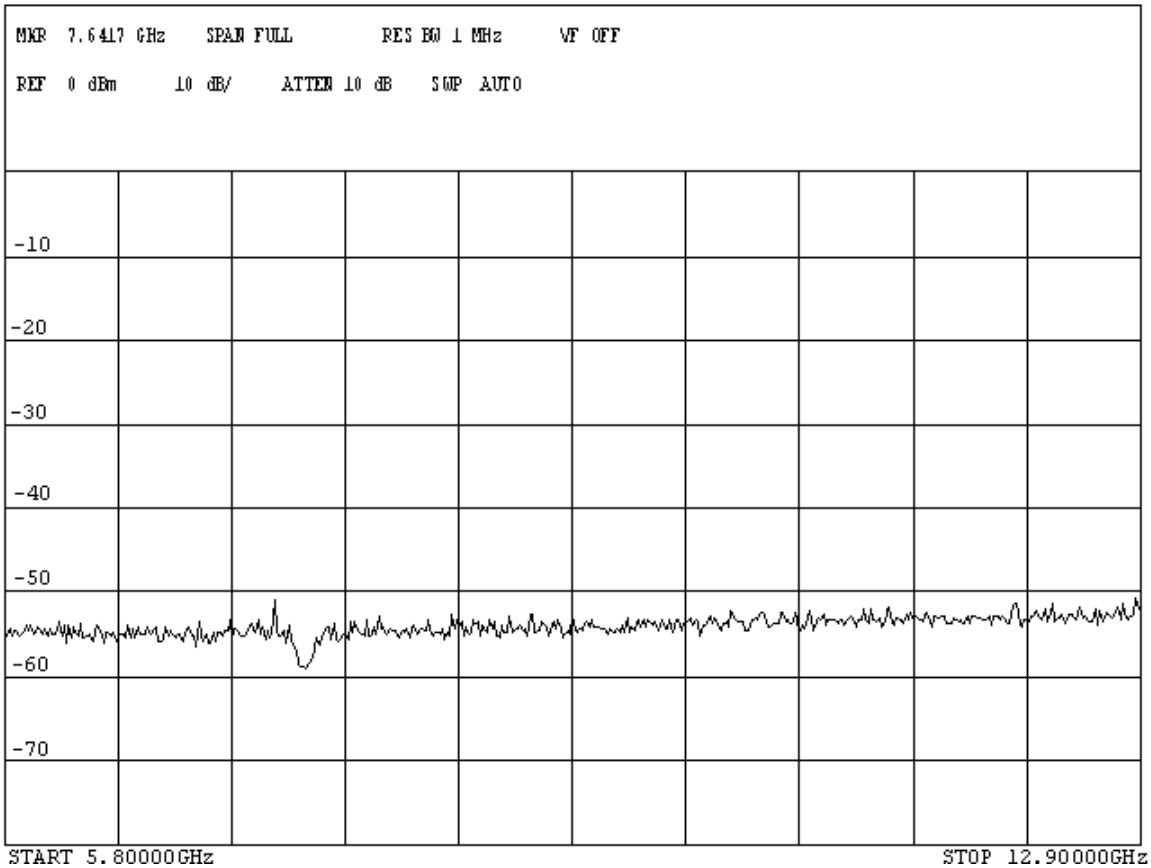
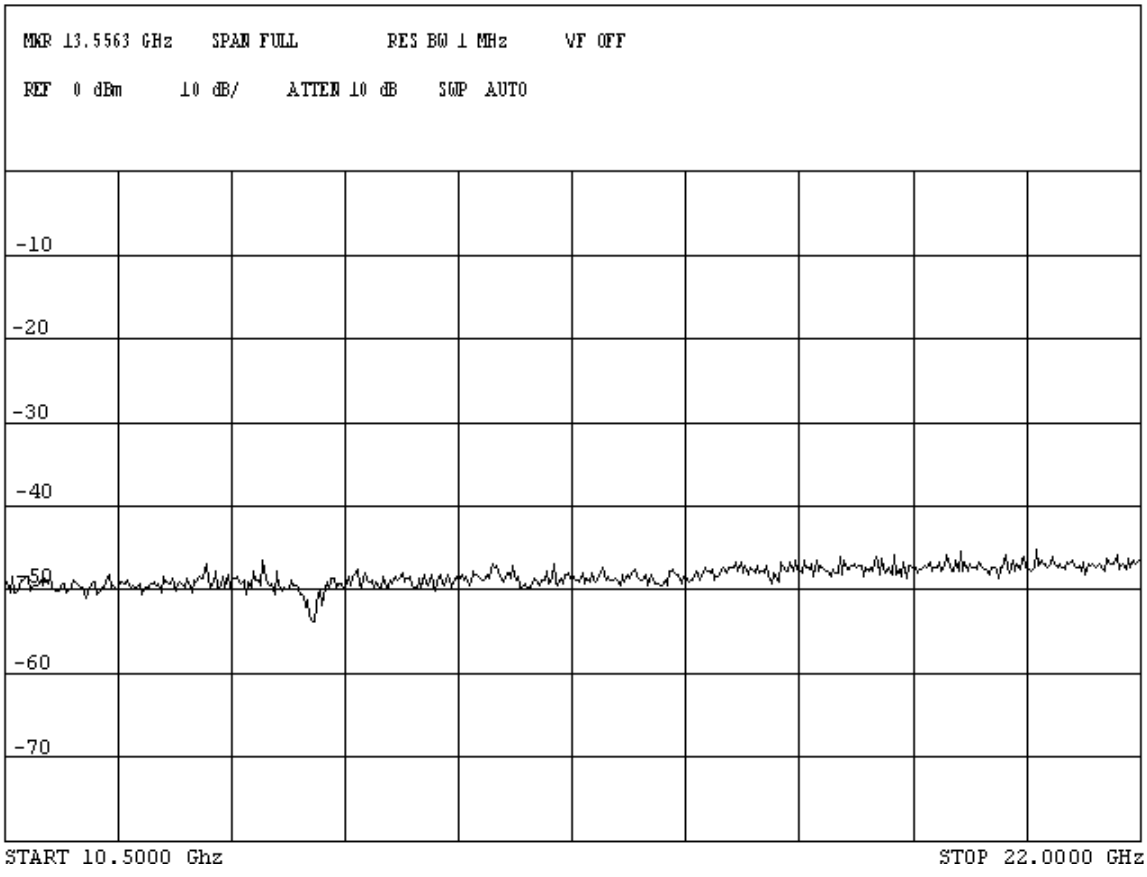
Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



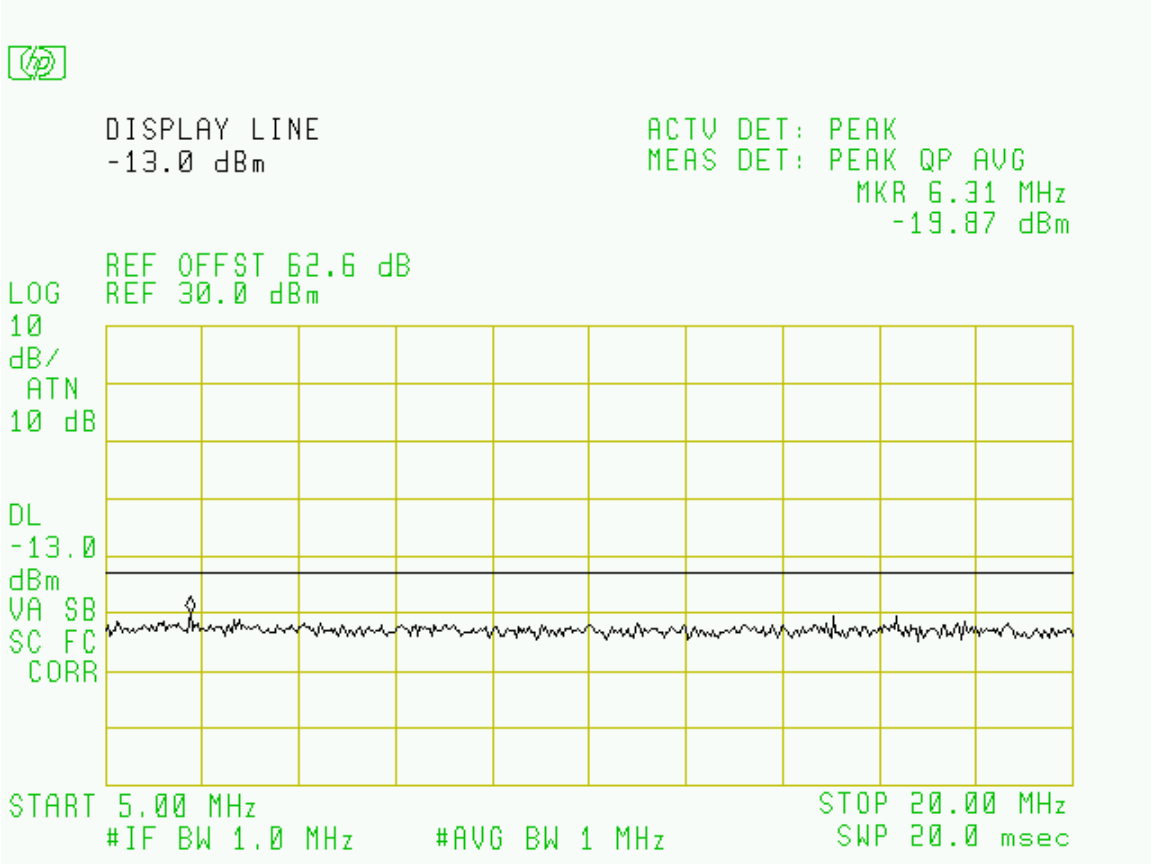
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



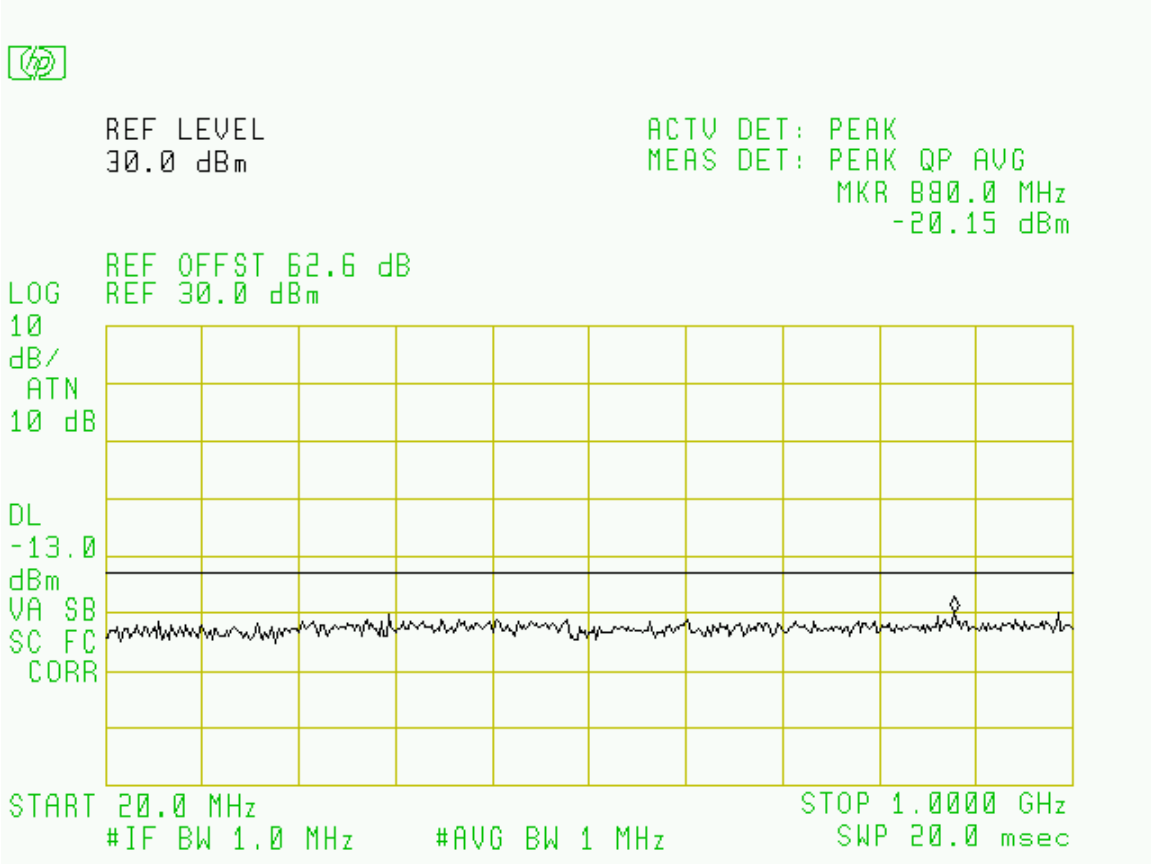
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



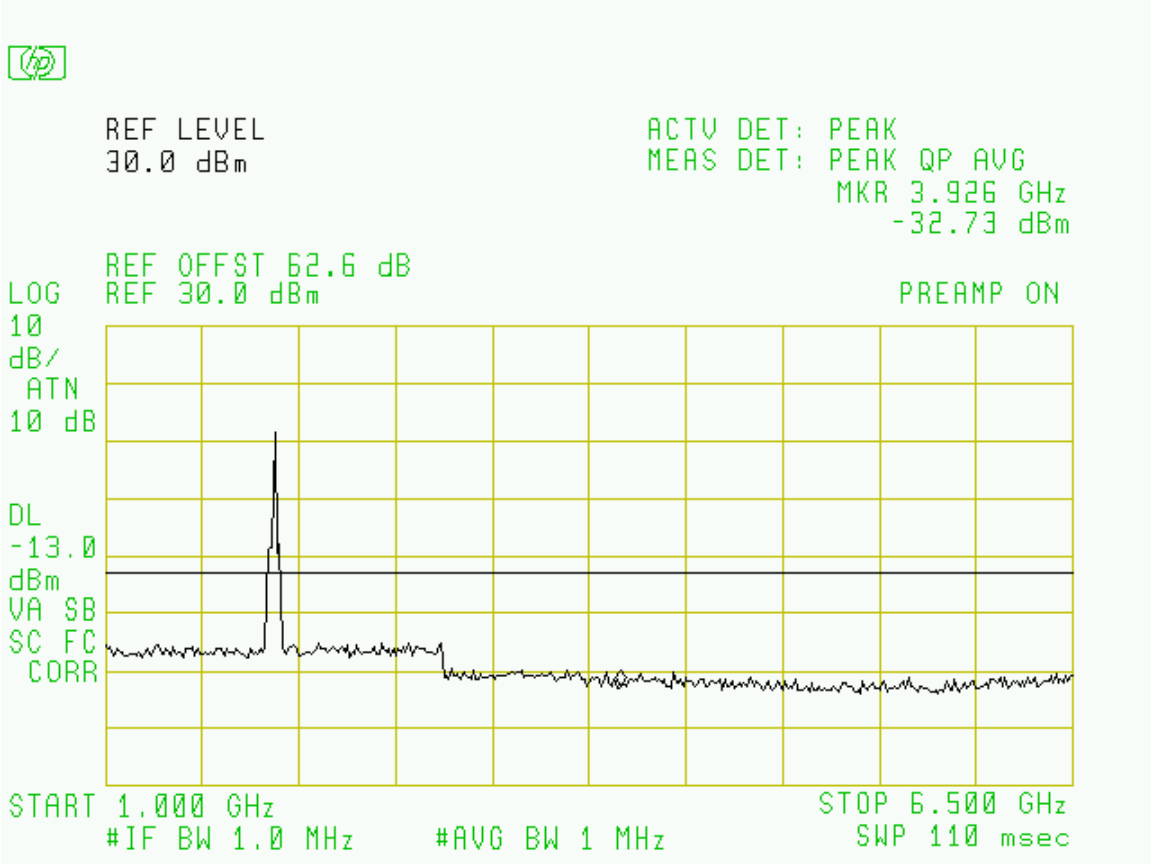
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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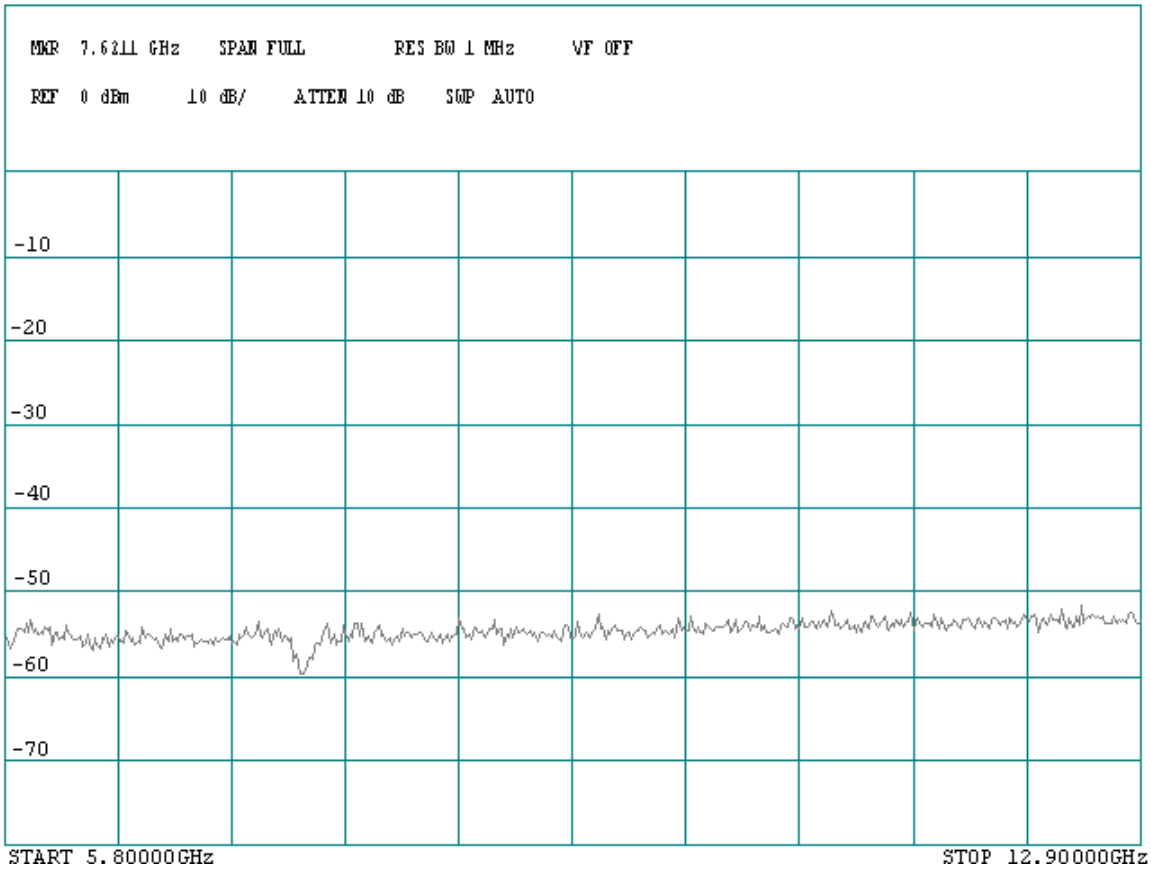
Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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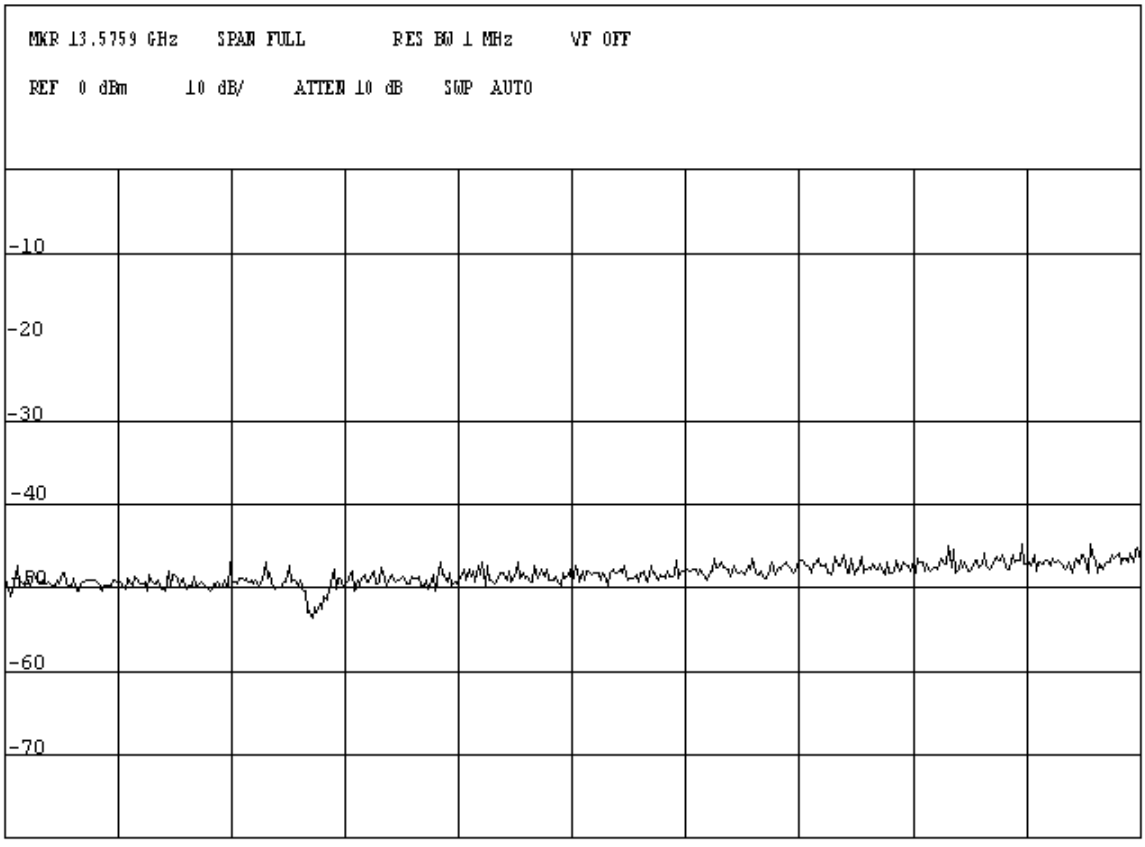
Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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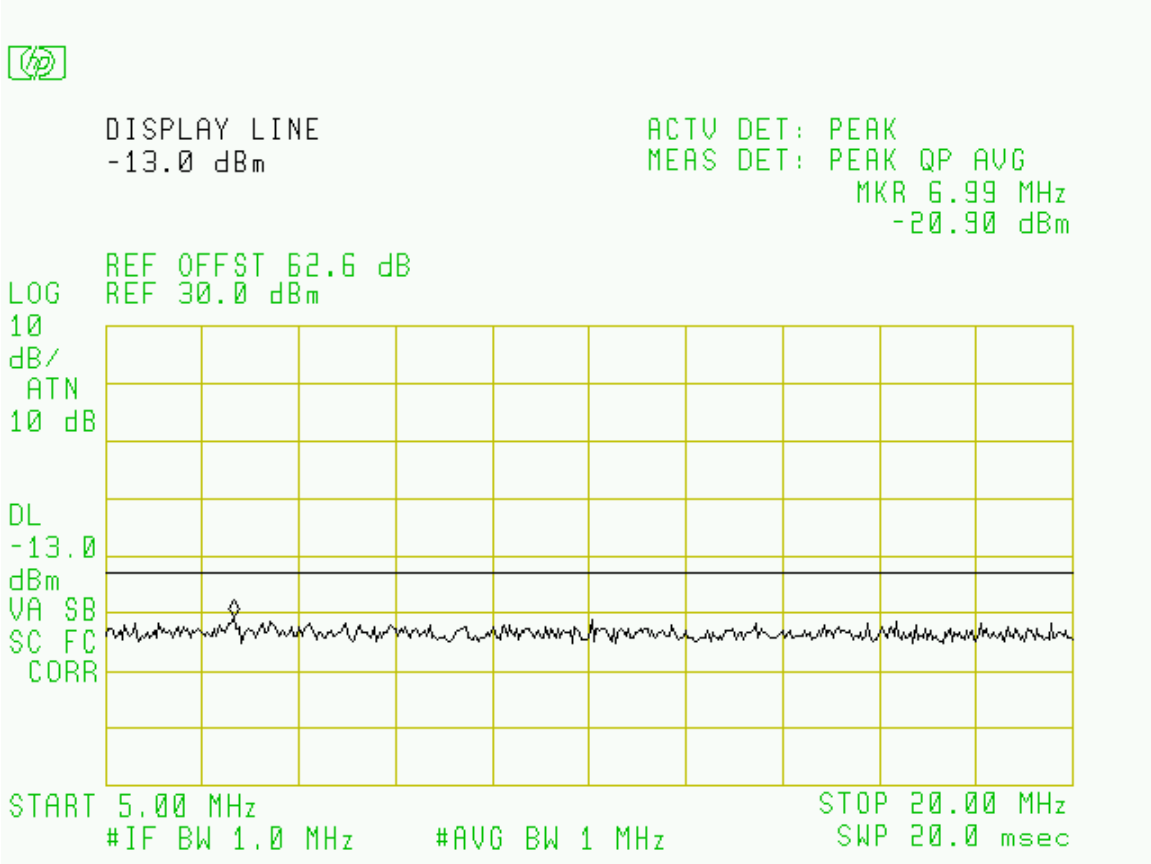
Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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S/N:	P001
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Temperature:	70°F
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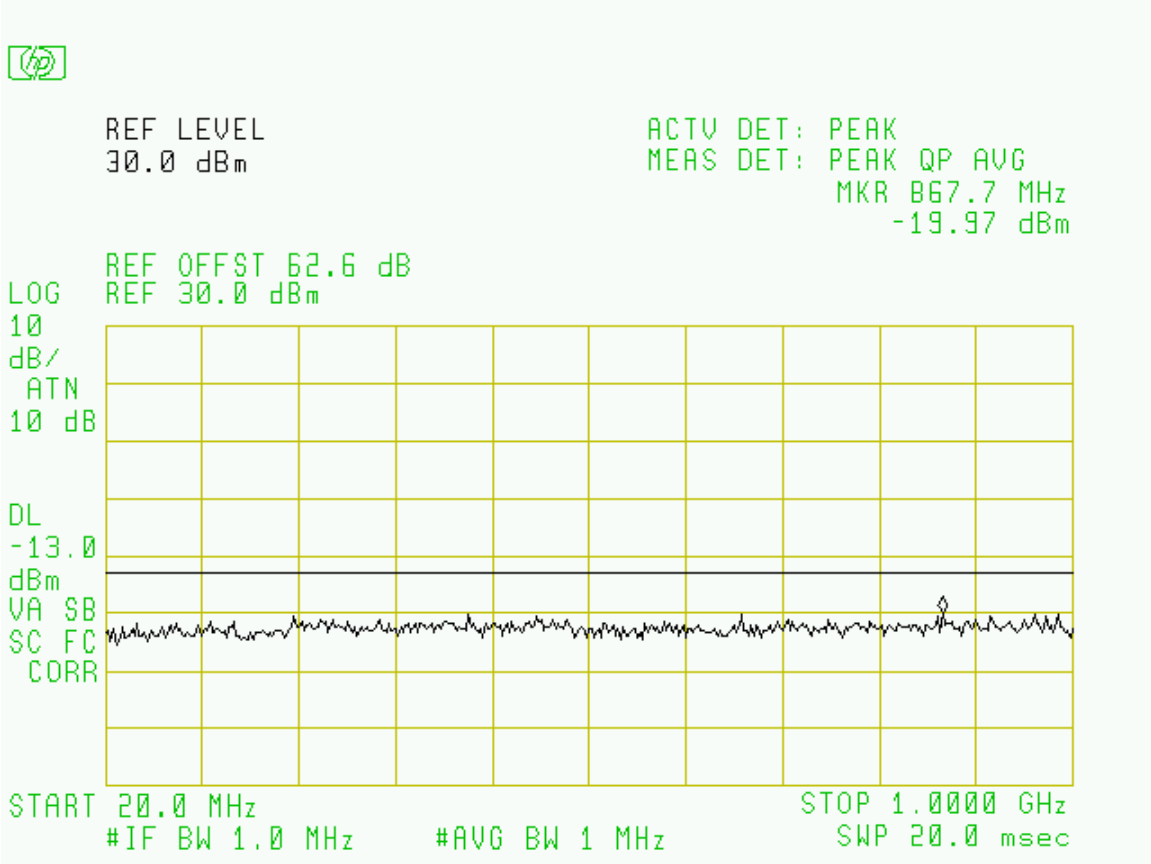
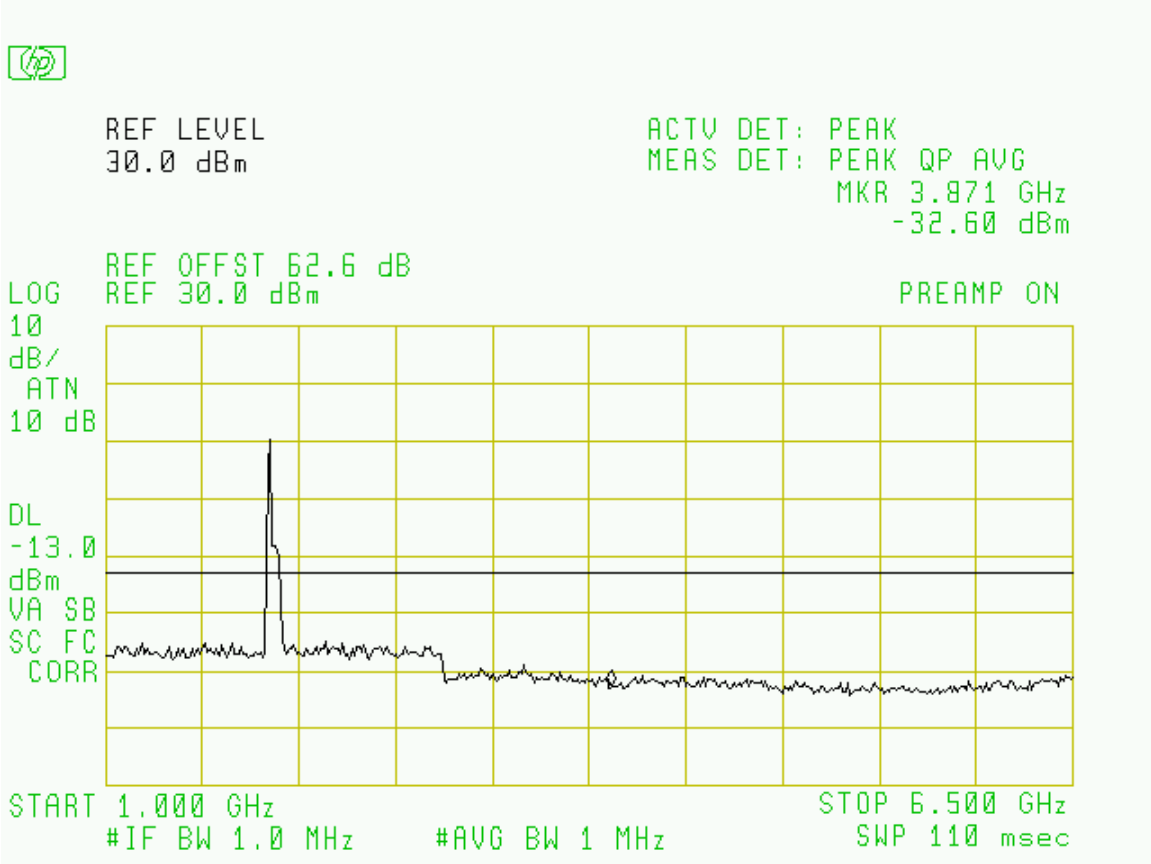
Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT * 2nd Harmonic Average Reading =-21.72dBm



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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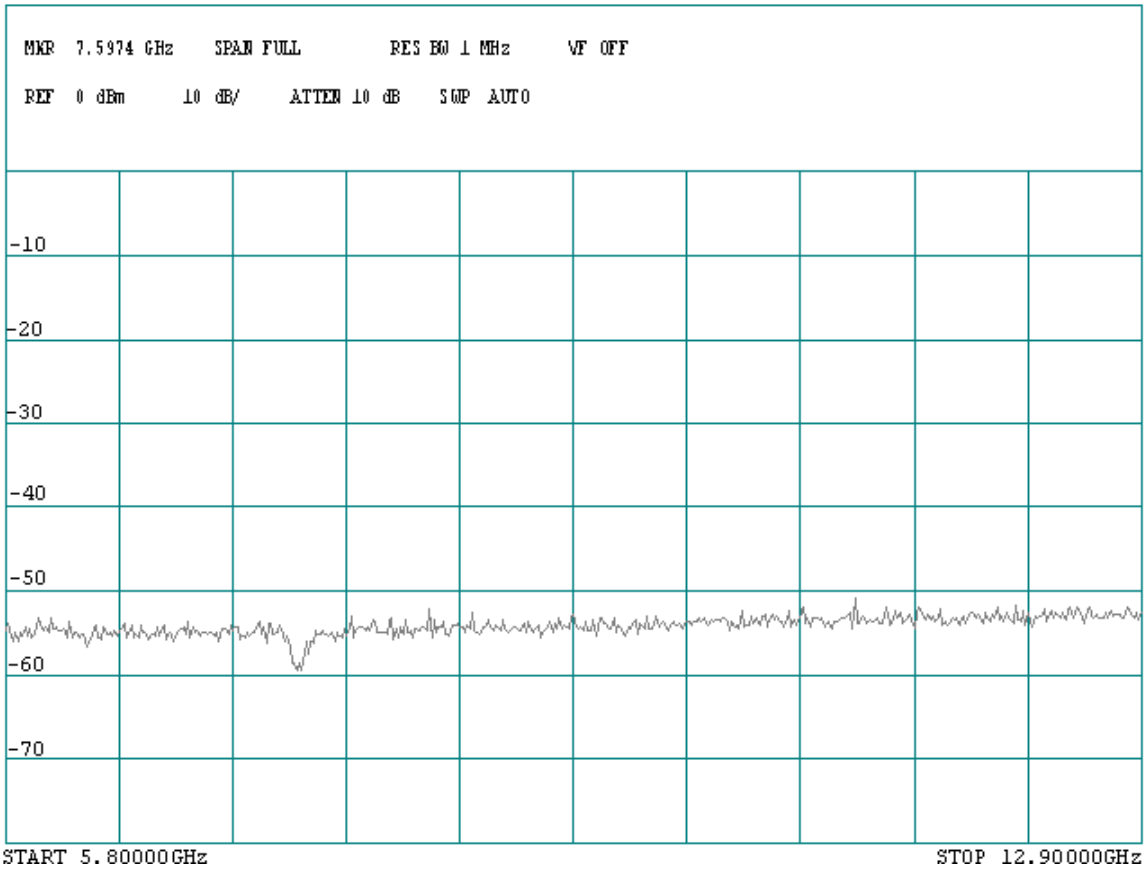
Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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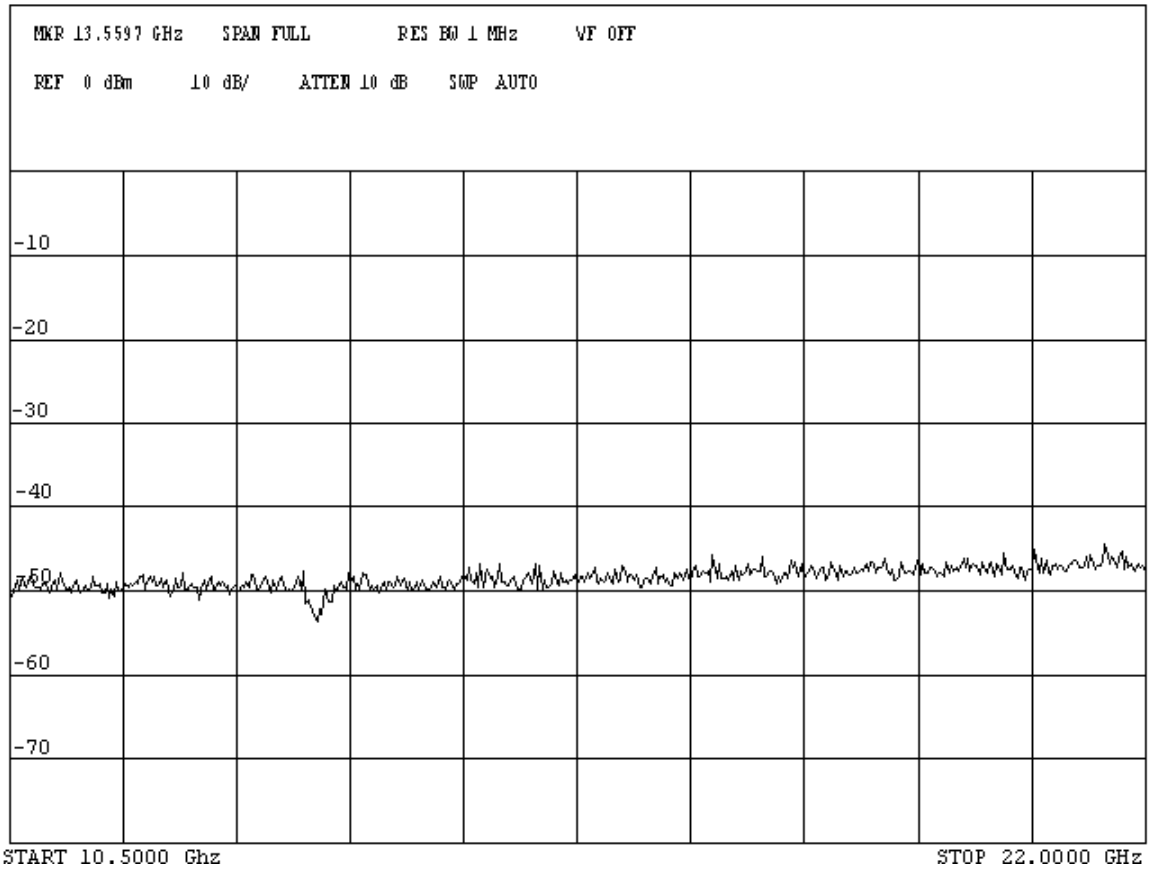
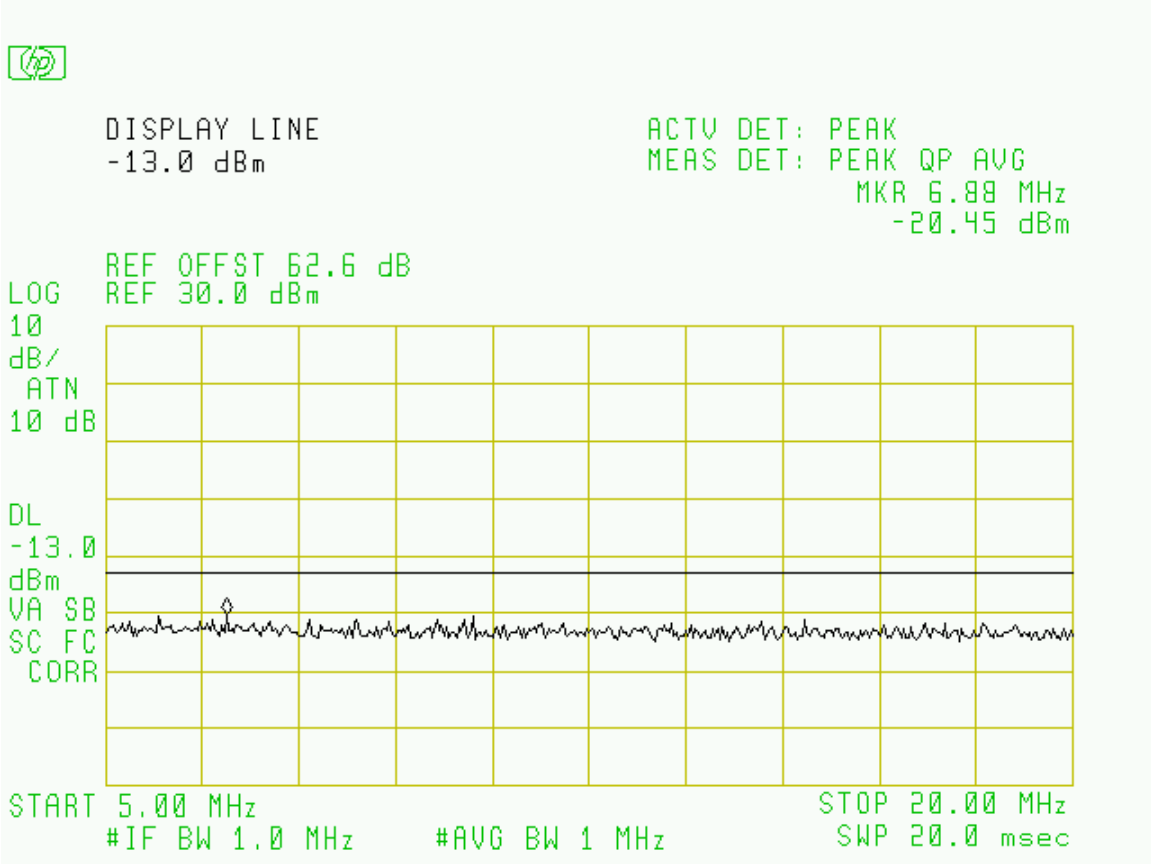
Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



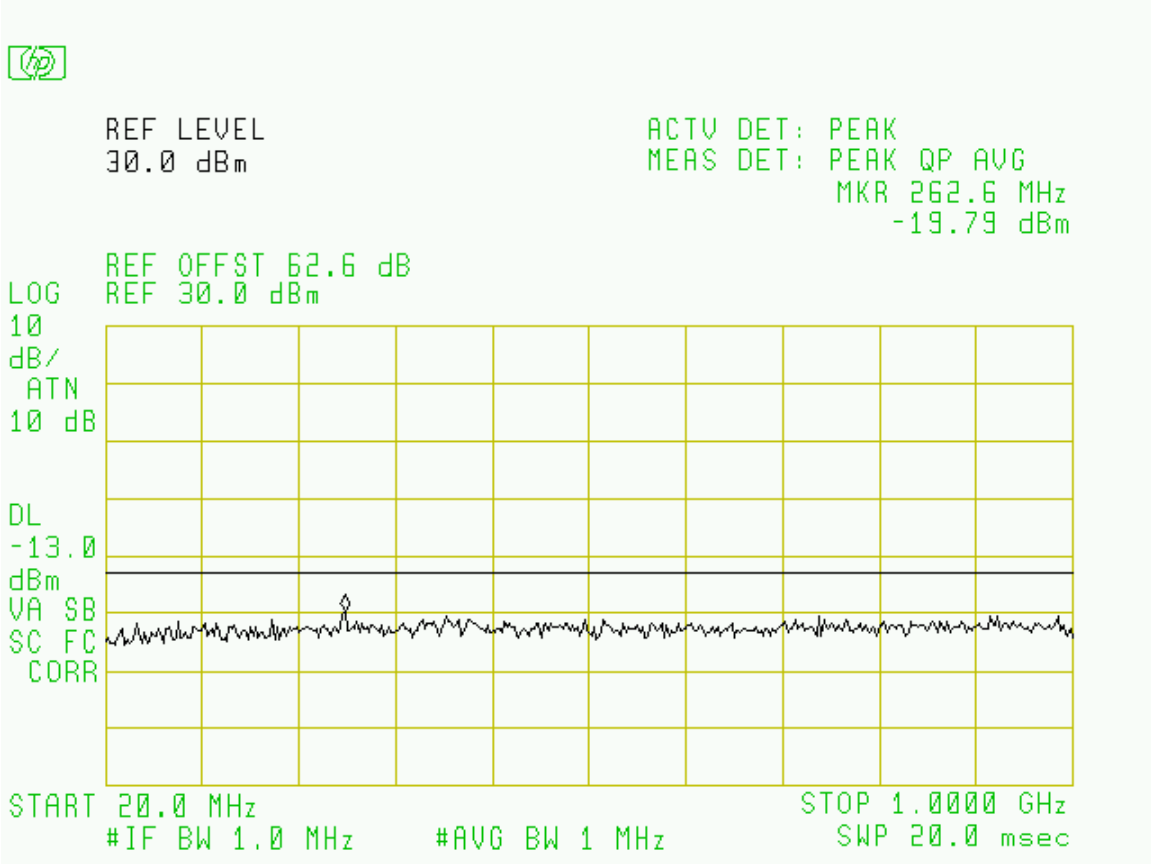
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



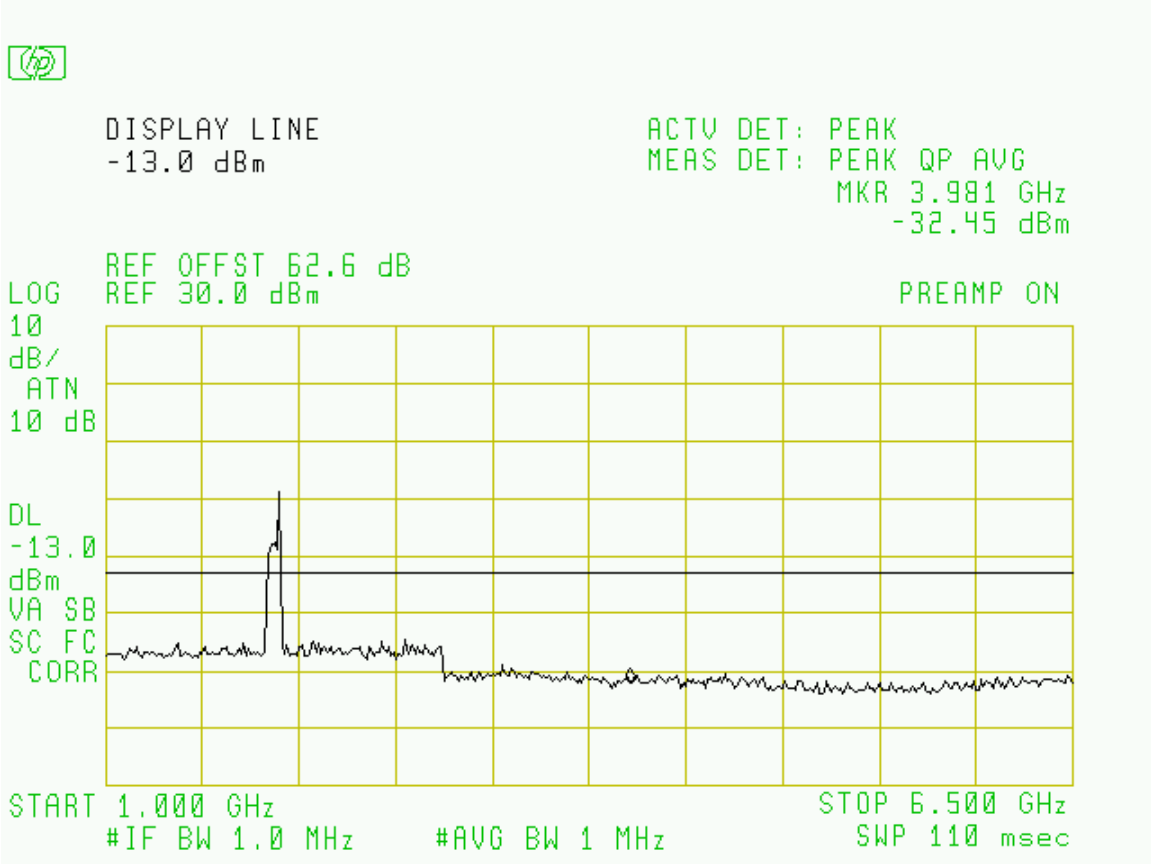
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
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Temperature:	70°F
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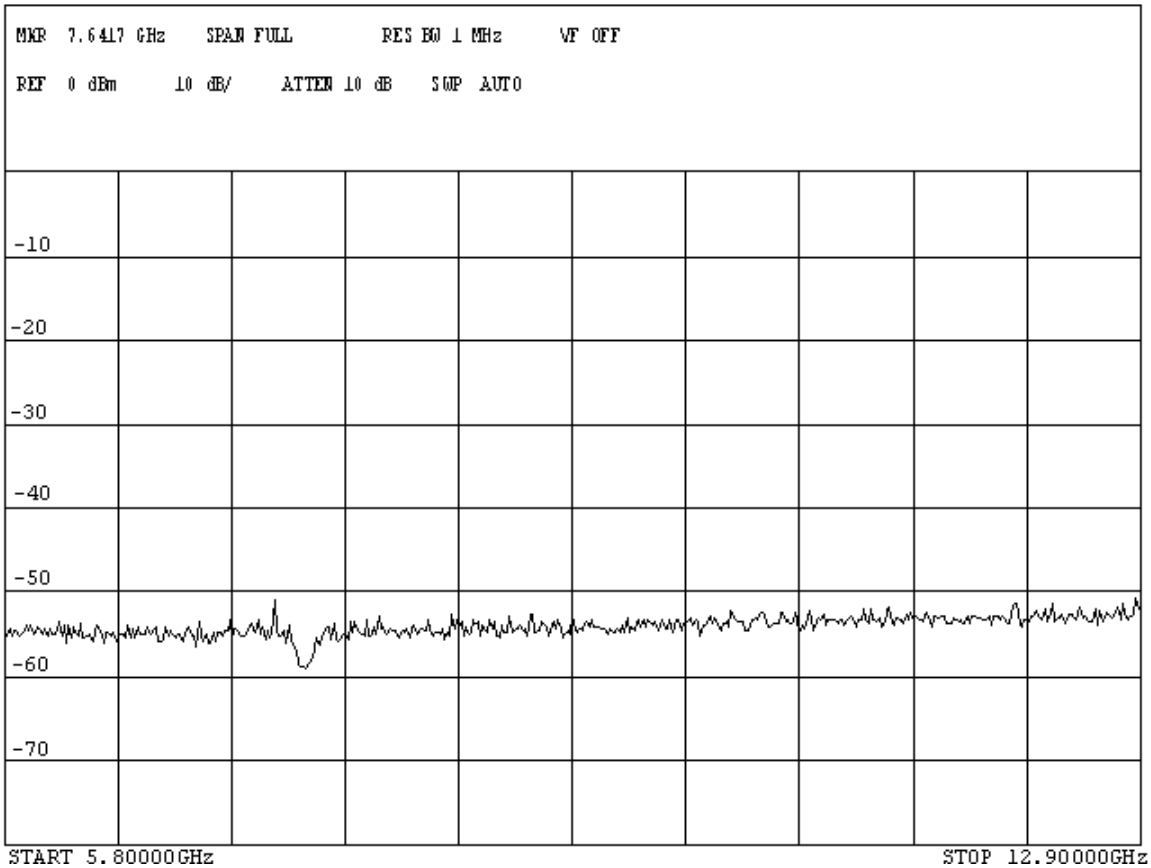
Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
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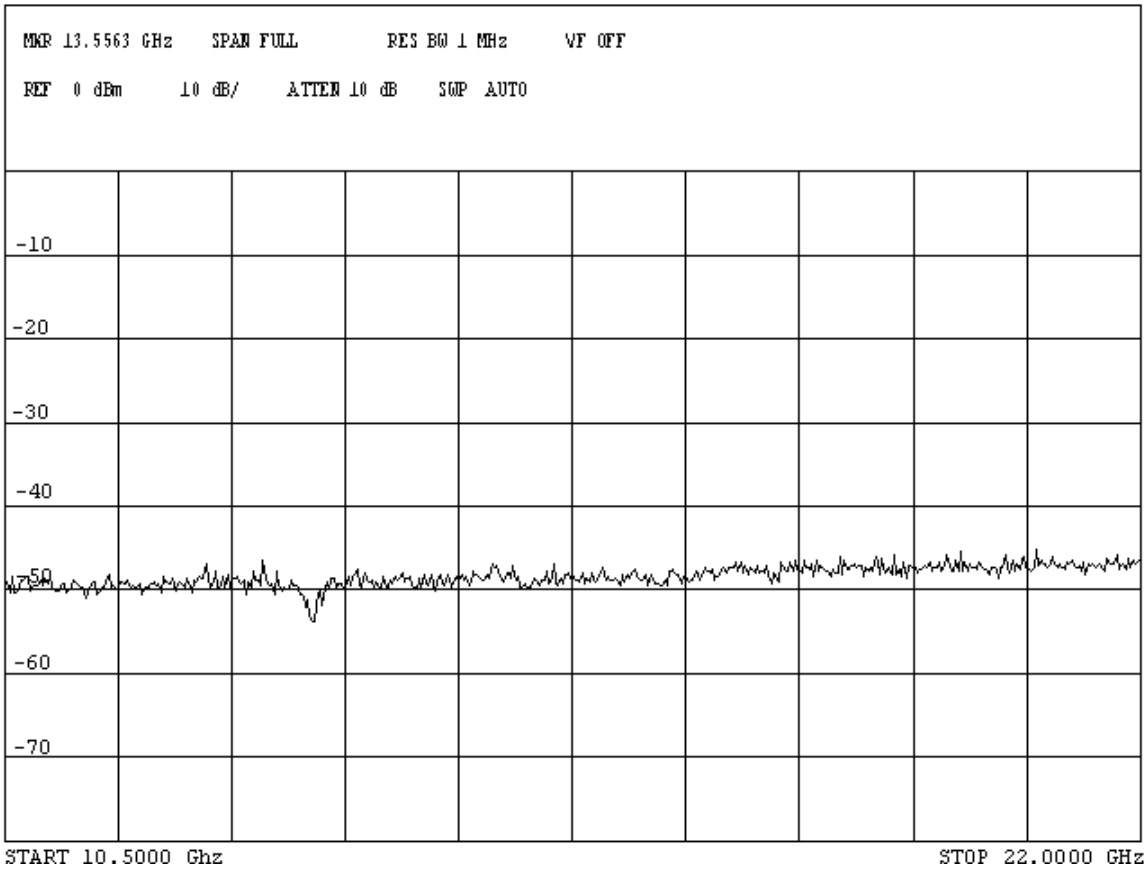
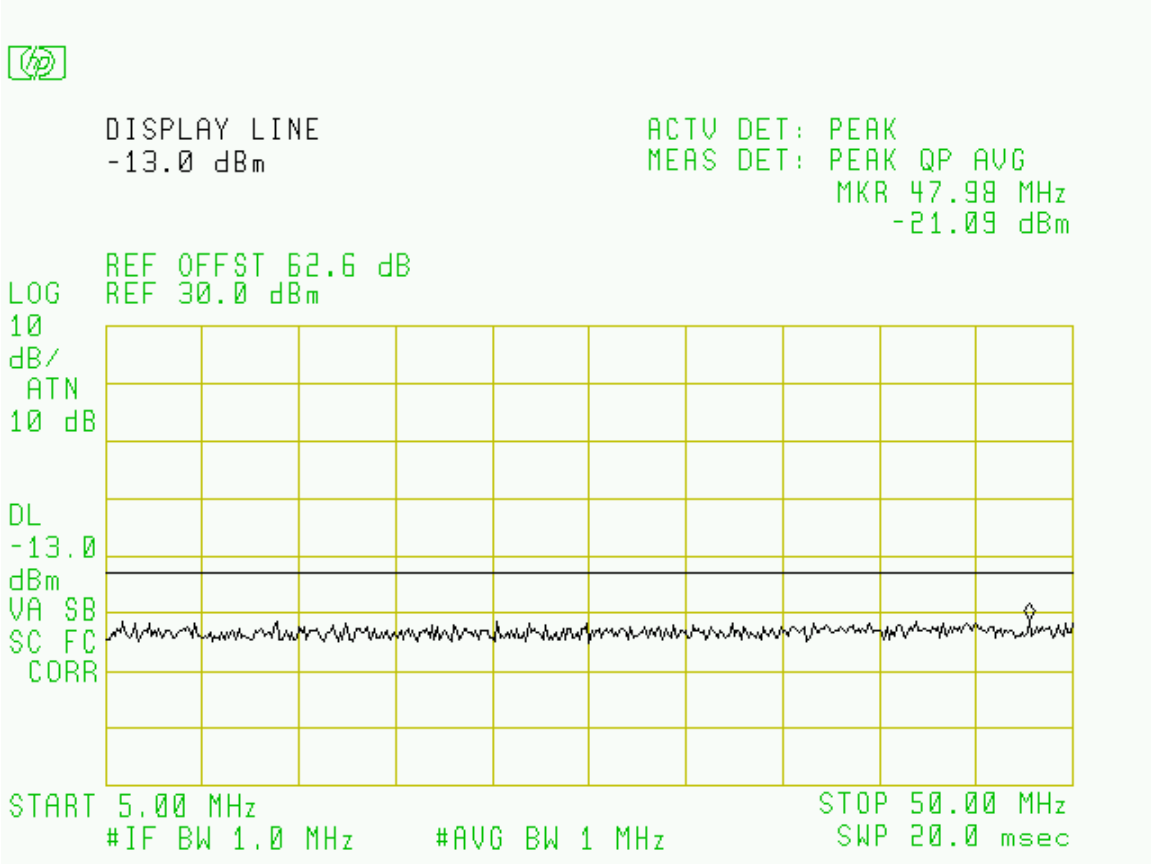
Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Hi-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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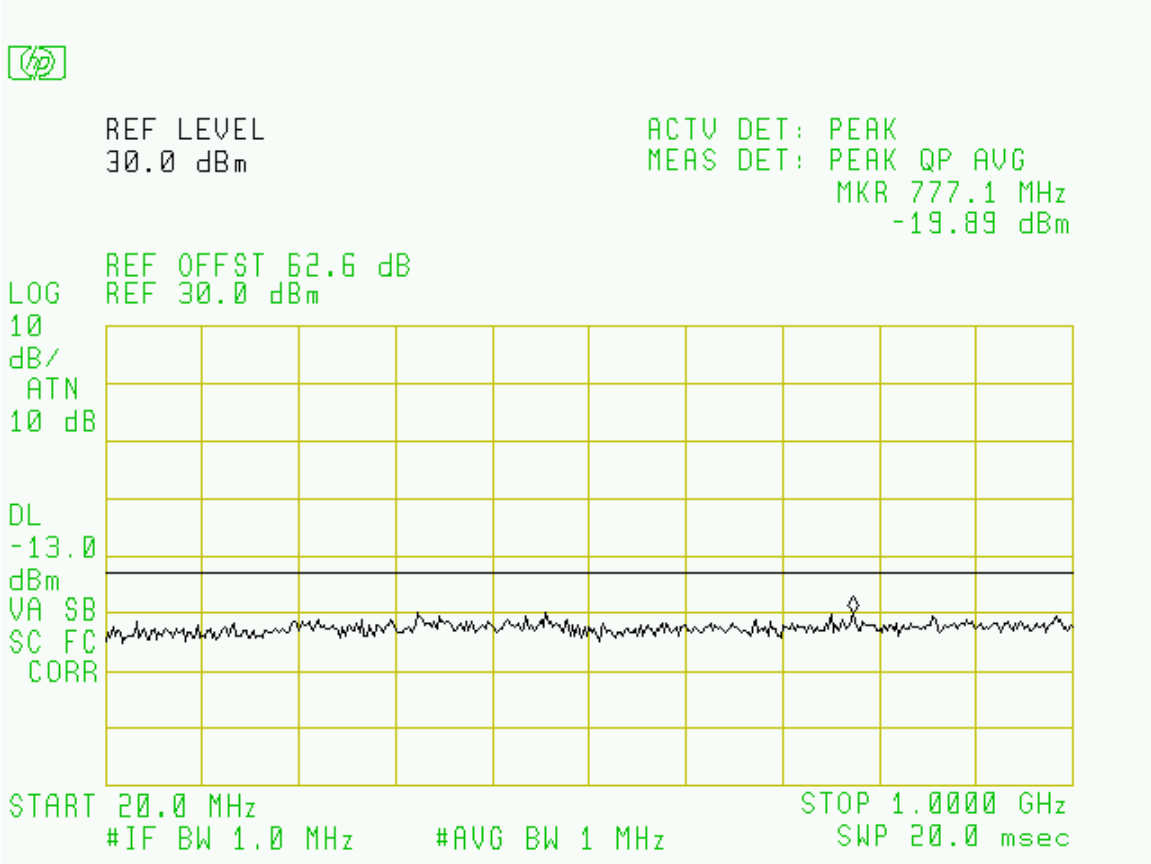
Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



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EUT:	ANDREW OneBase Cell Extender OBE-DB-X
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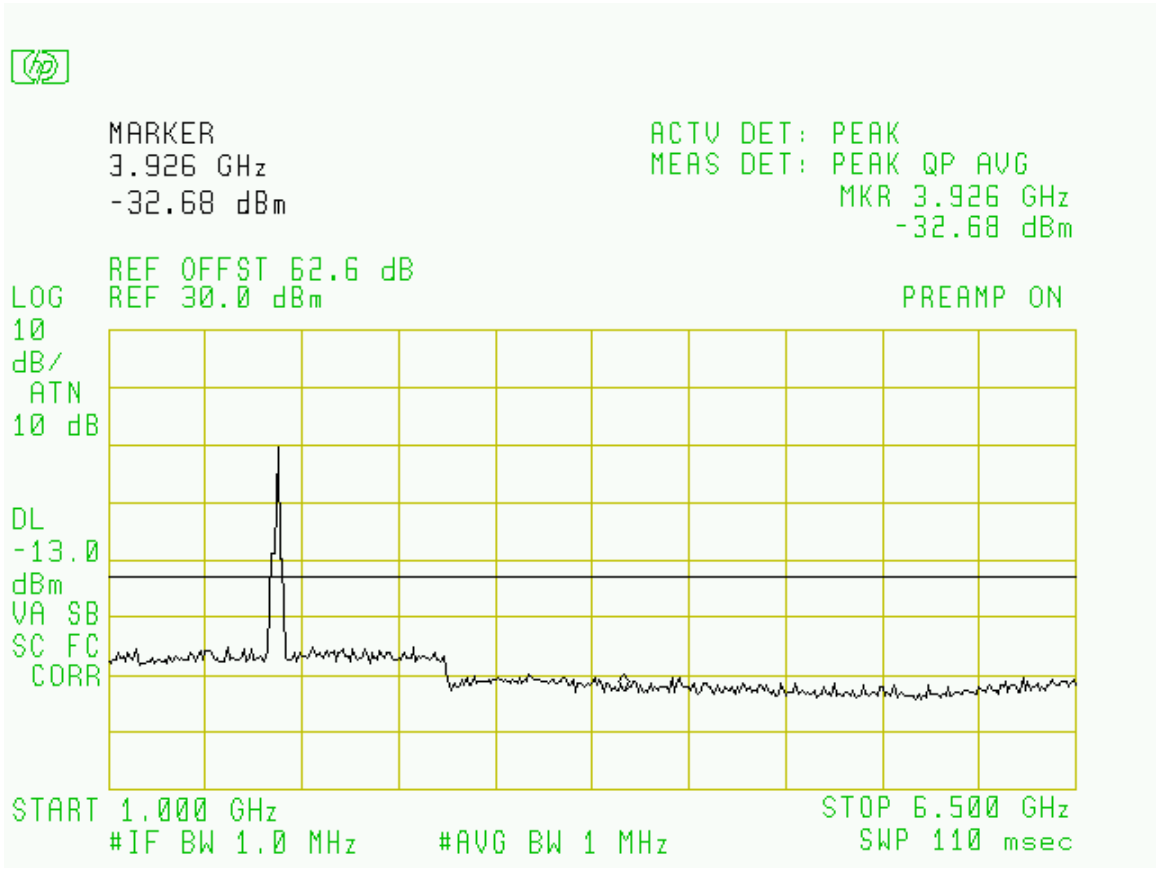
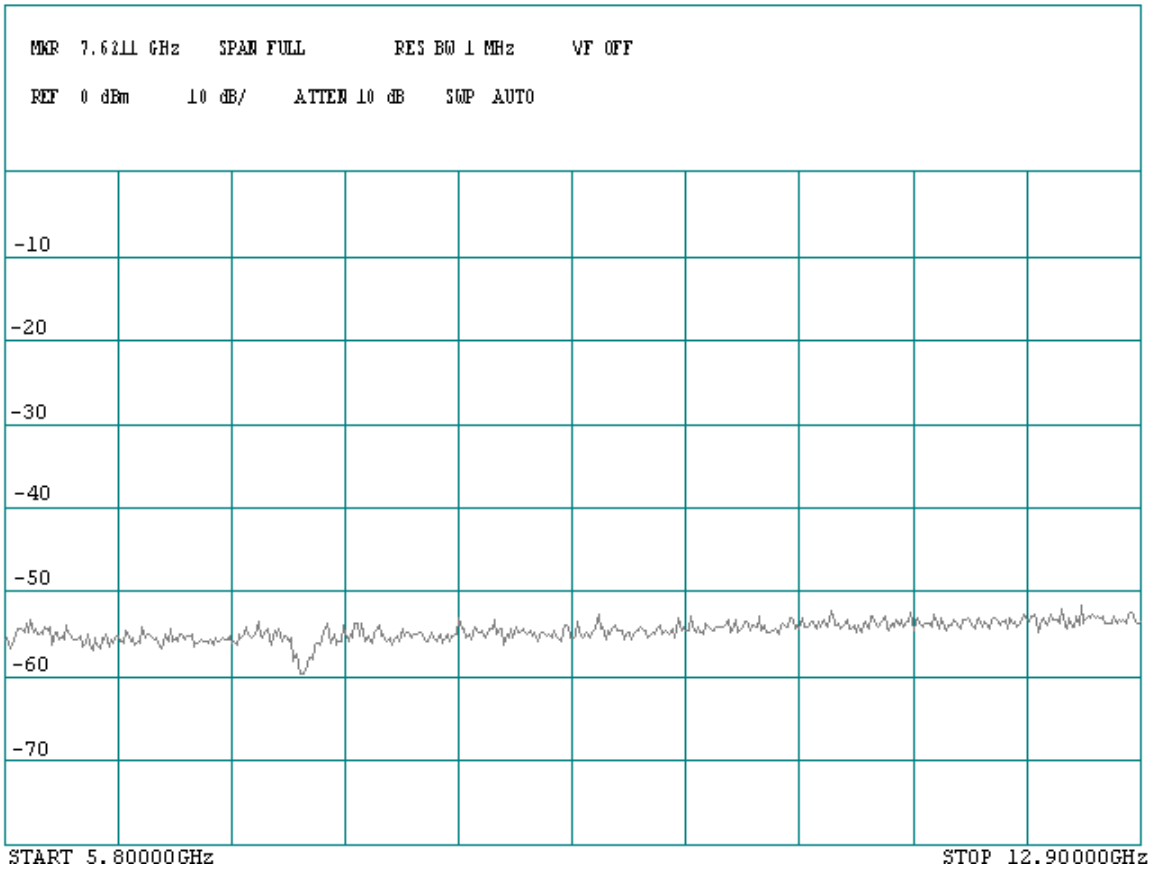
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



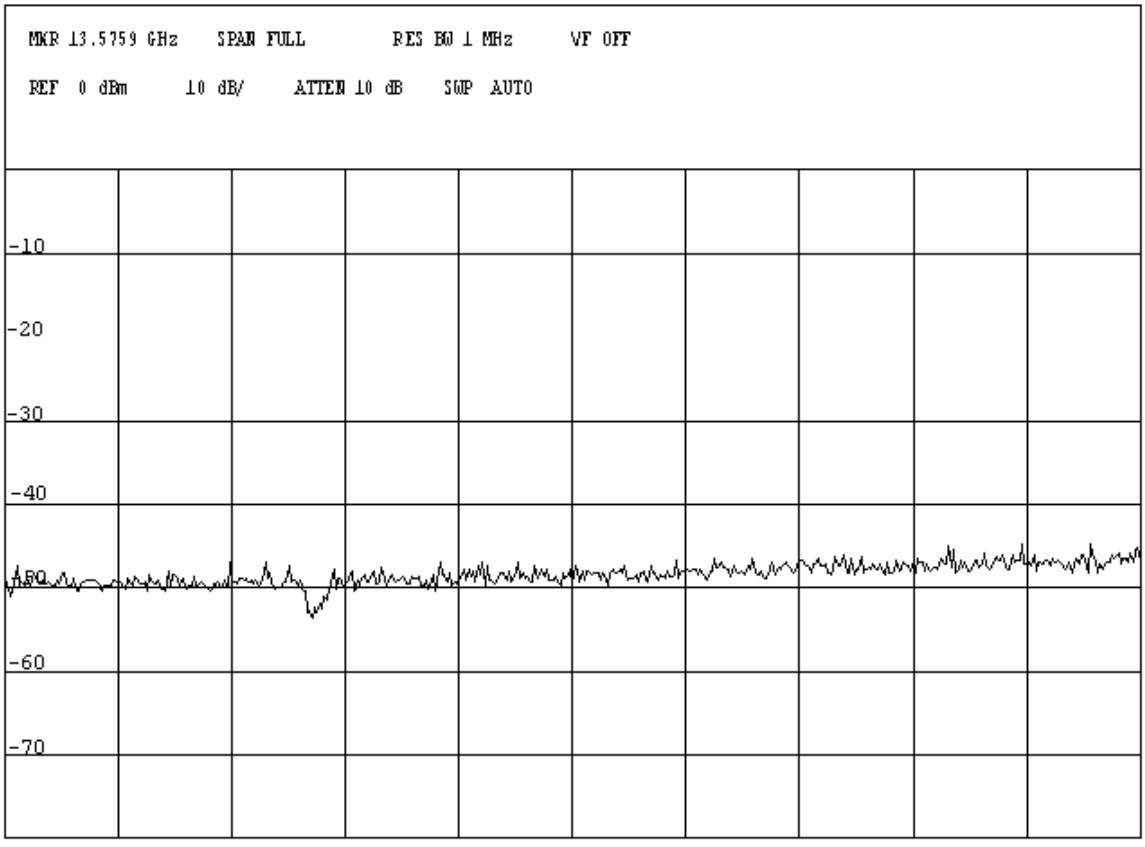
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



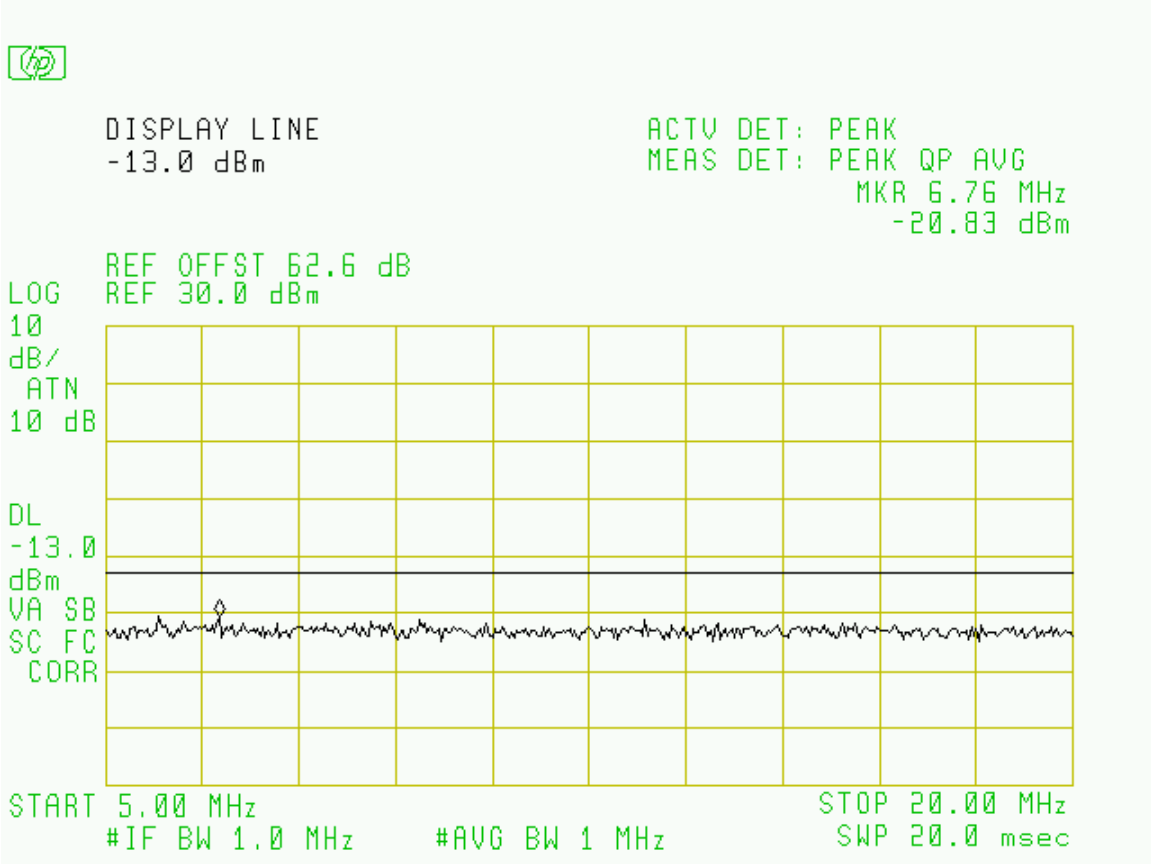
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Mid-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



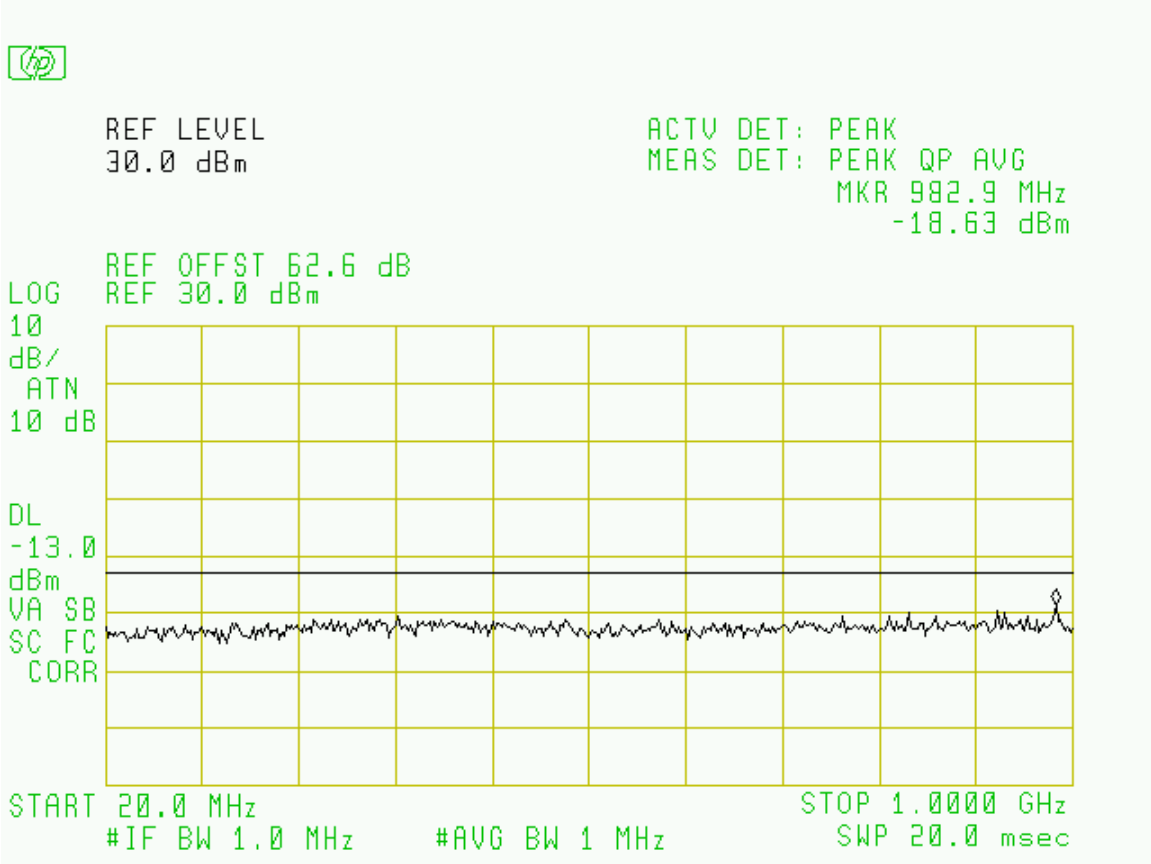
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



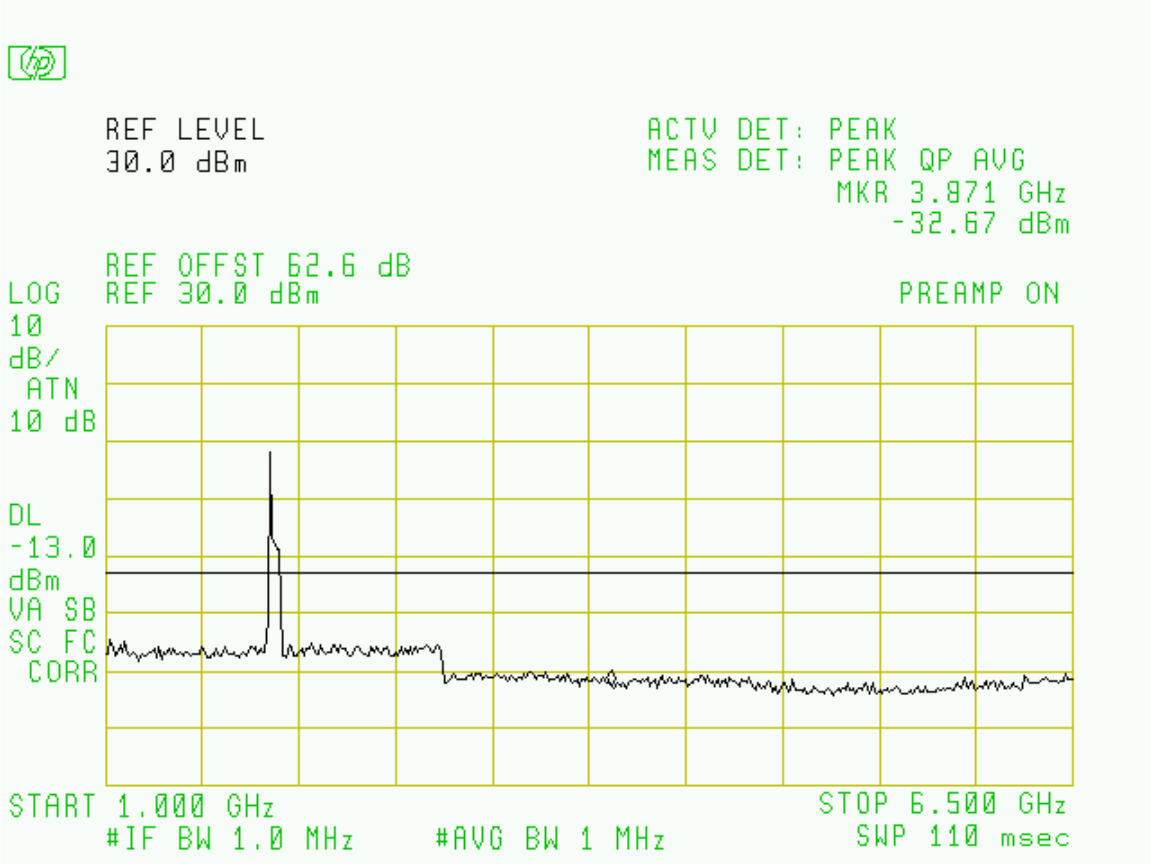
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



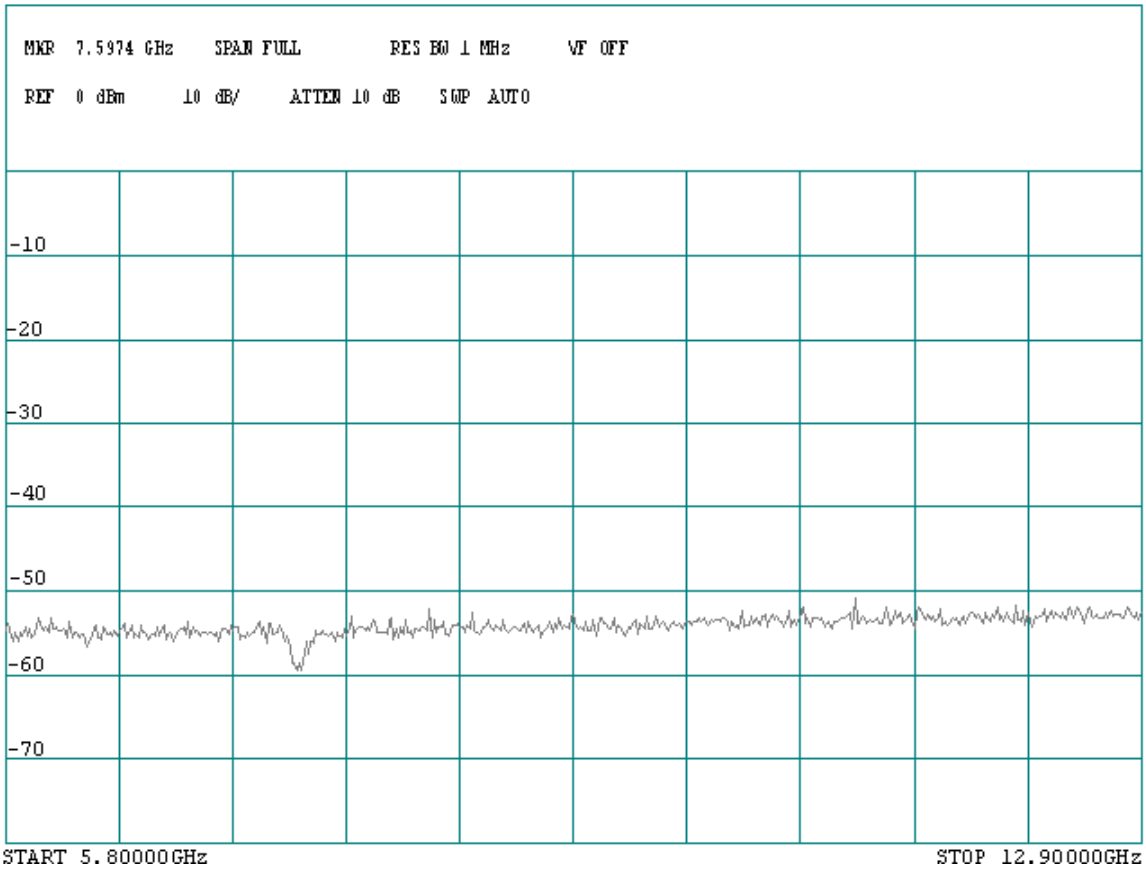
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT * 2nd Harmonic Average Reading =-21.72dBm



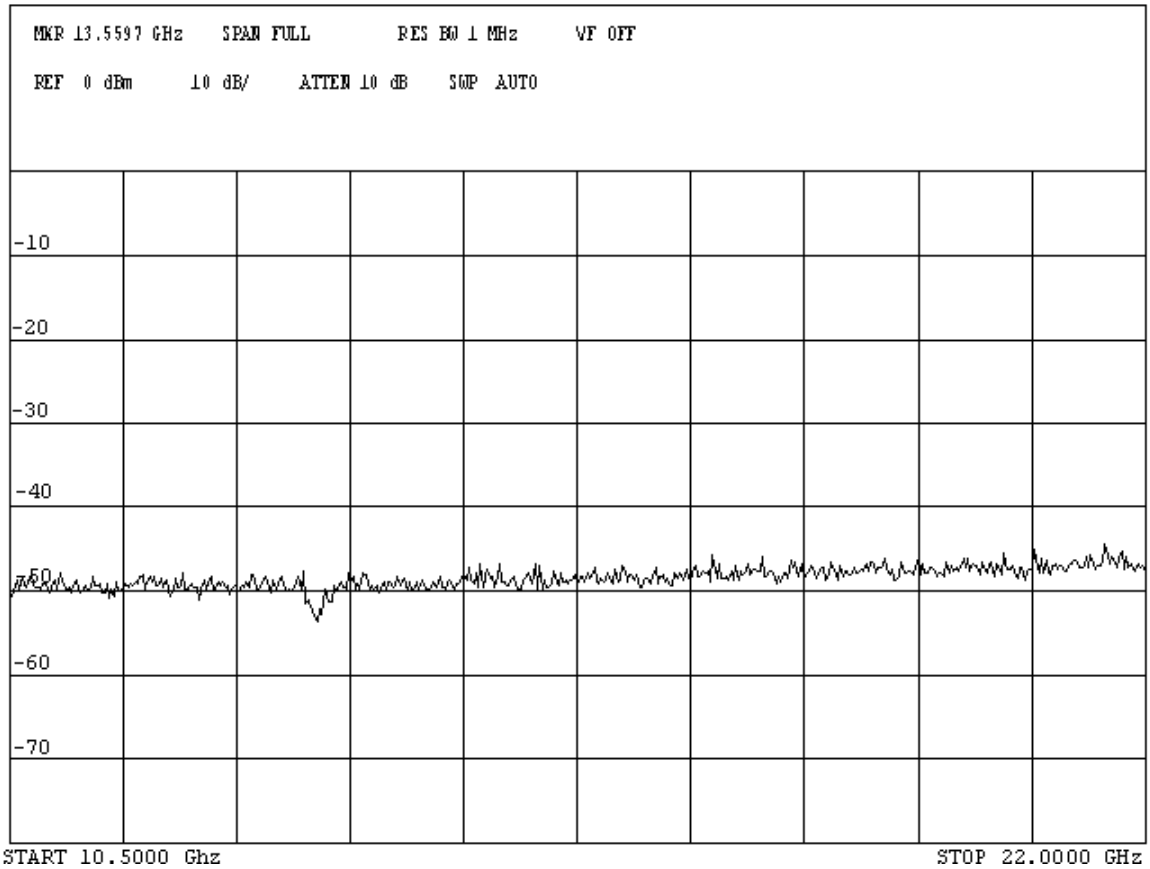
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



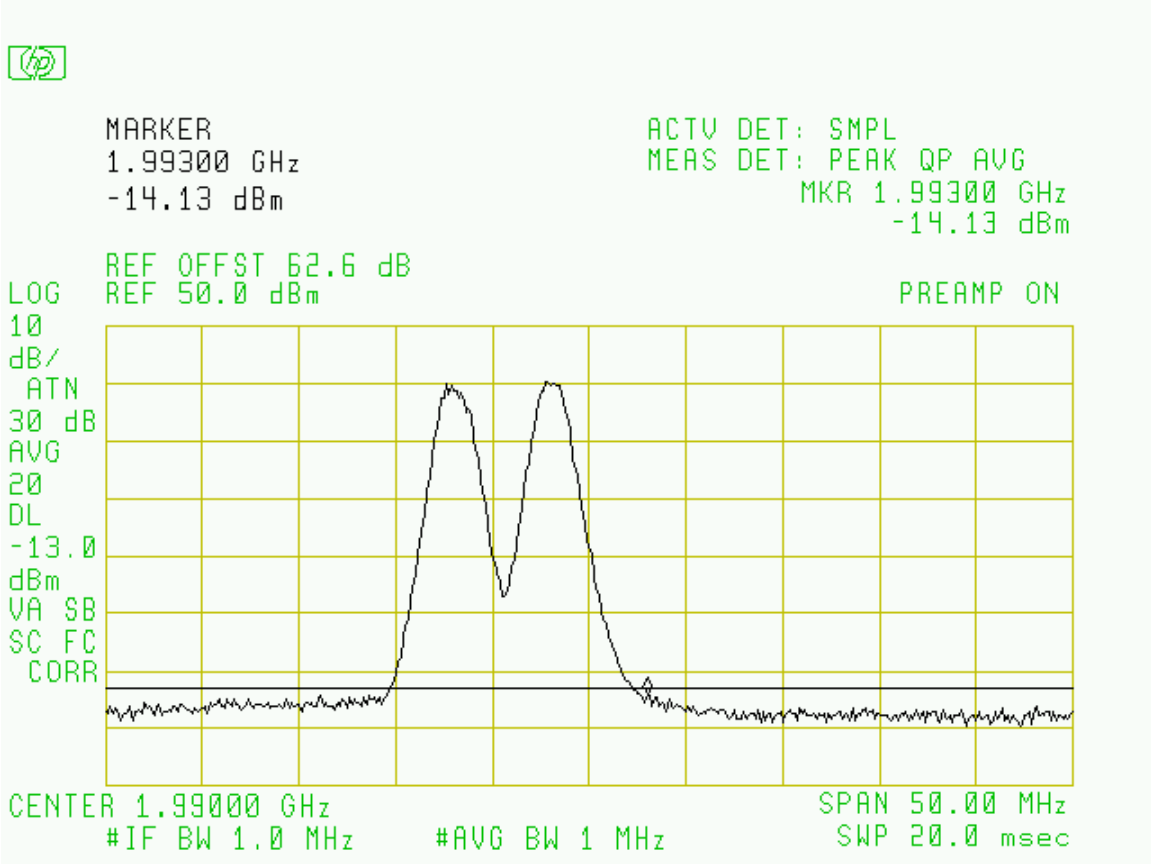
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



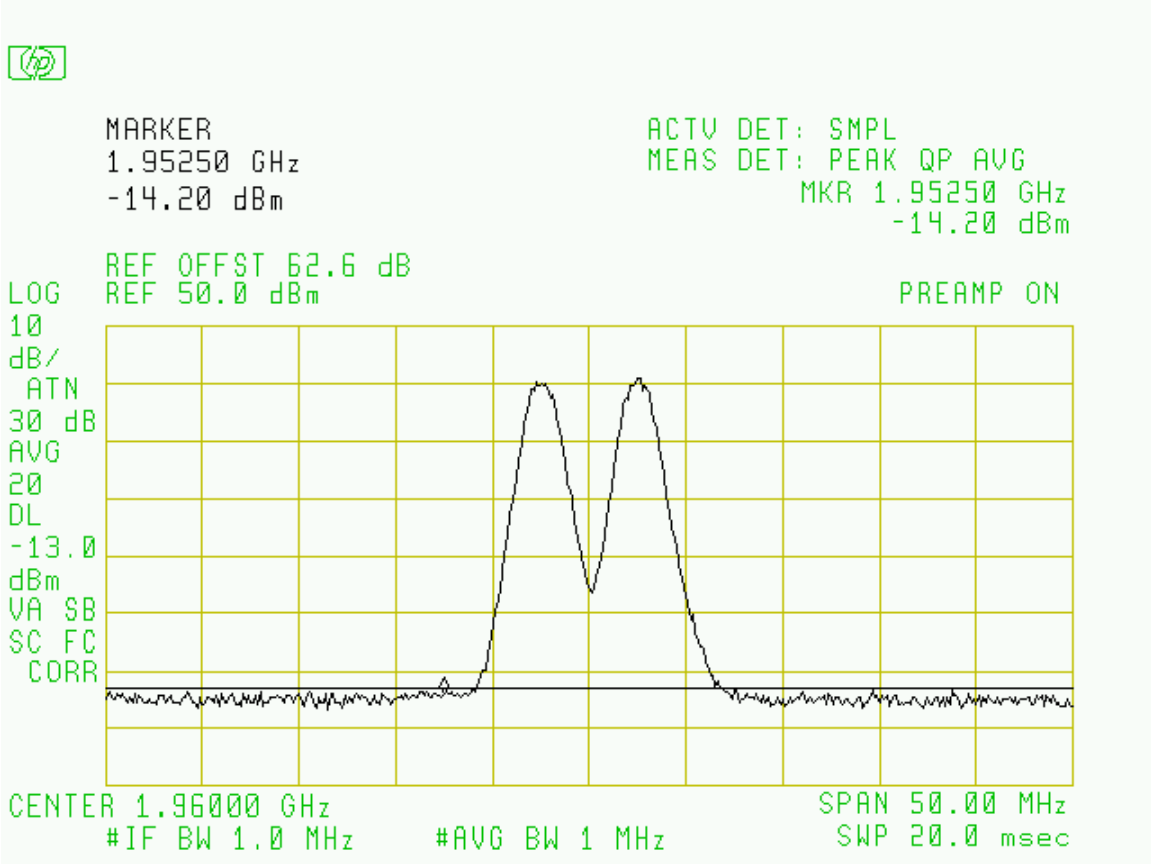
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



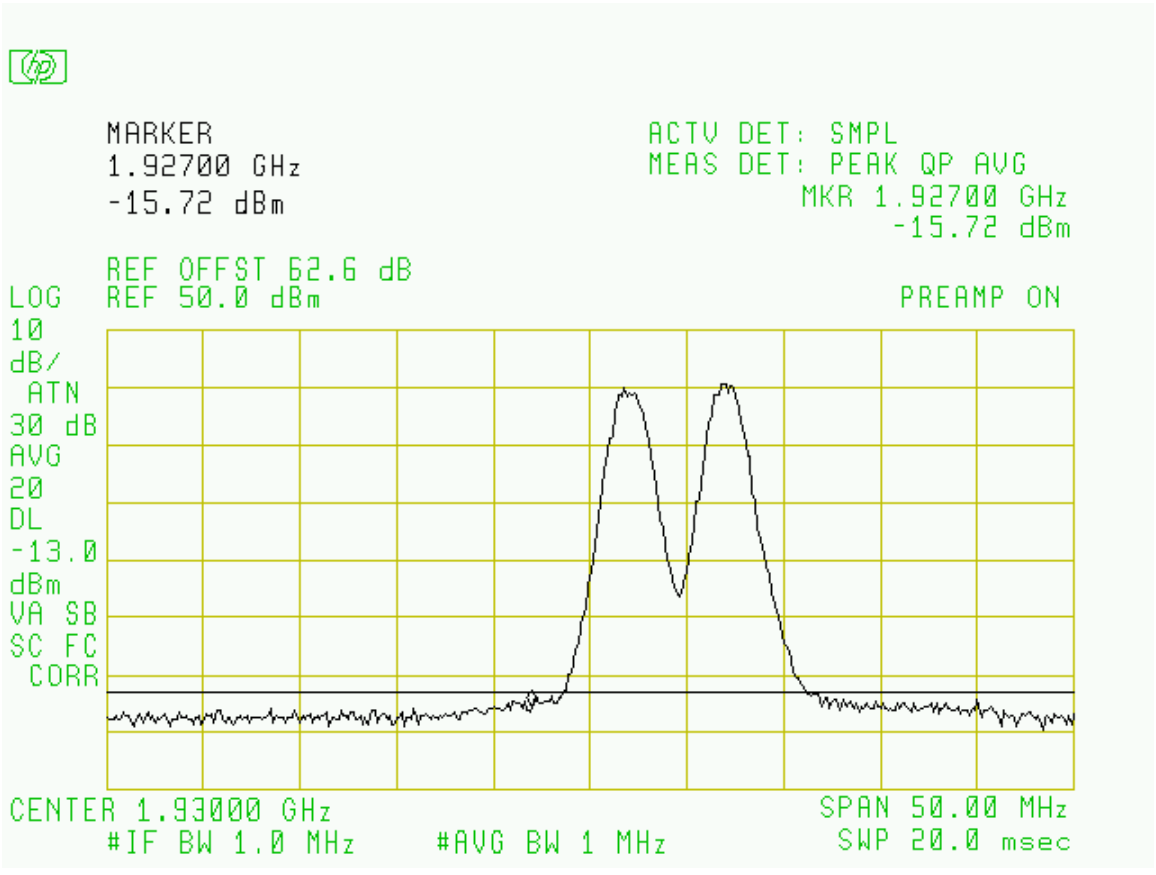
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Inter-modulation, M Ch**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



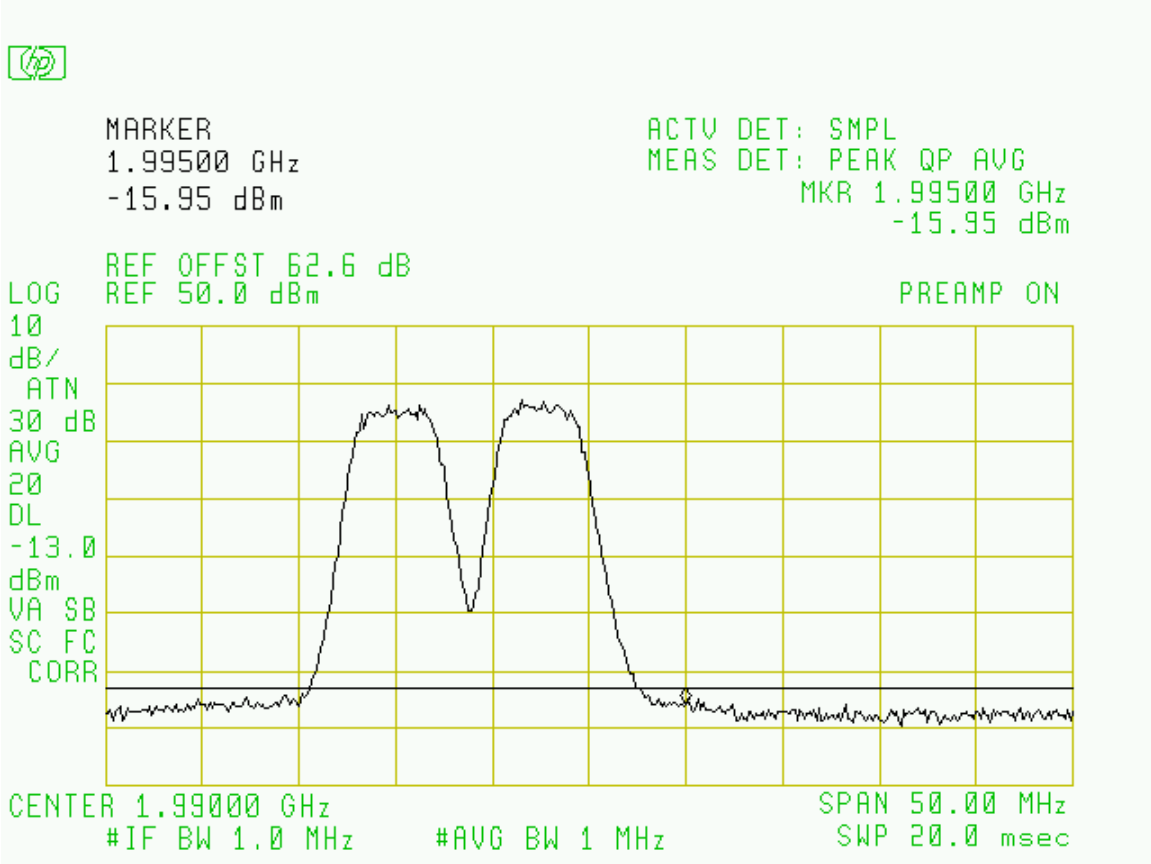
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



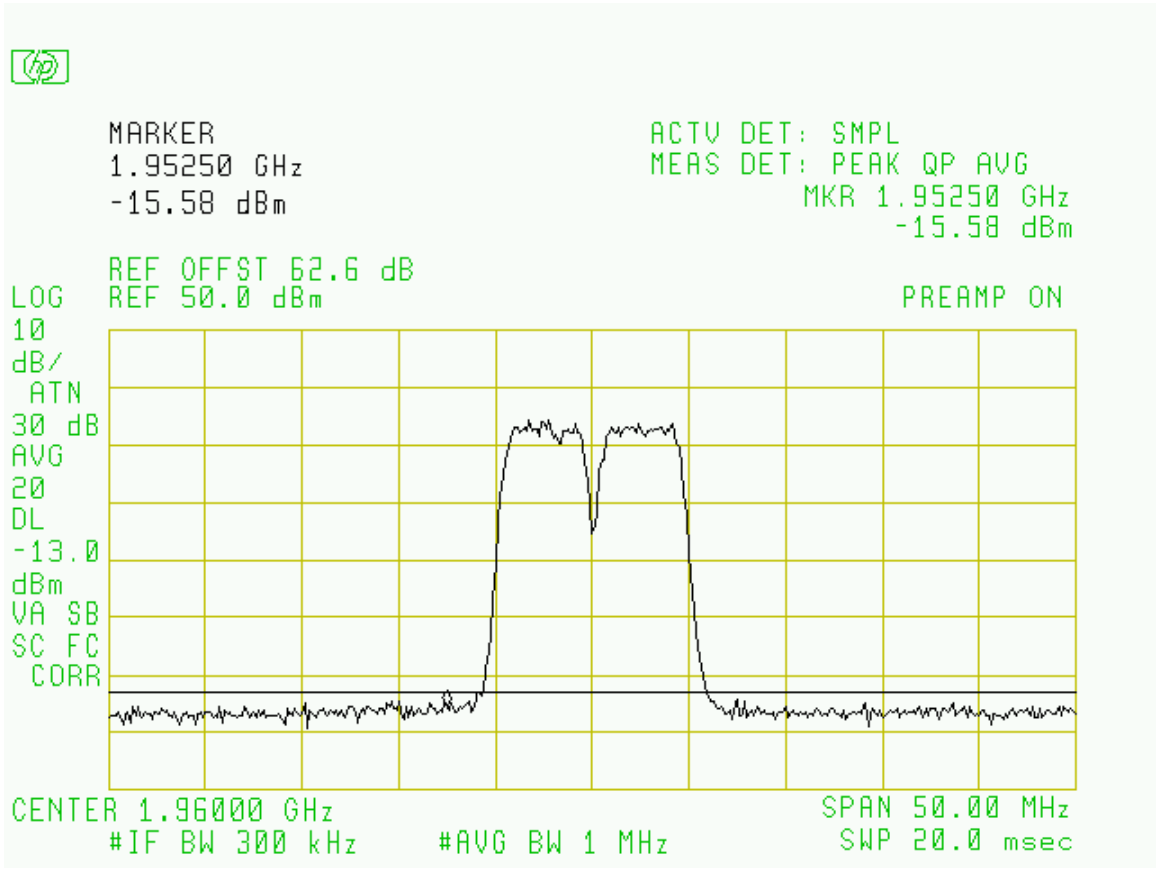
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



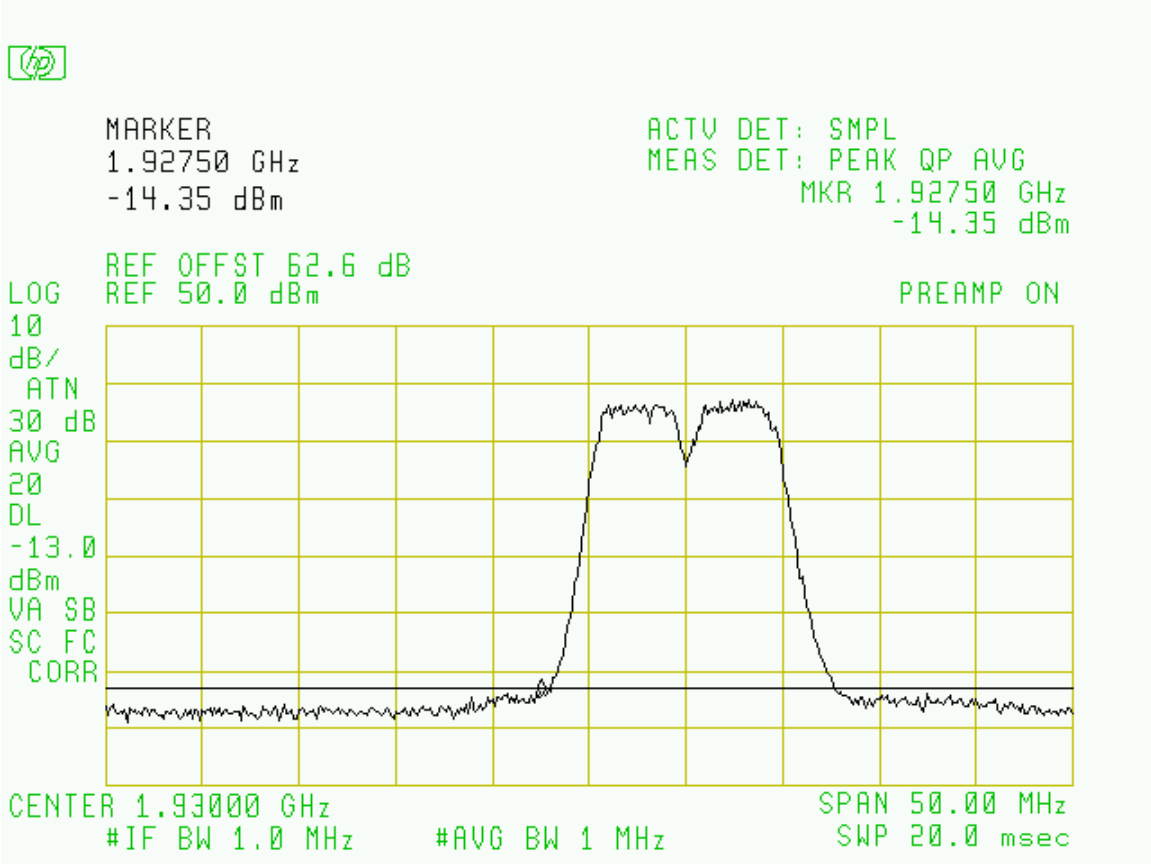
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, M CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



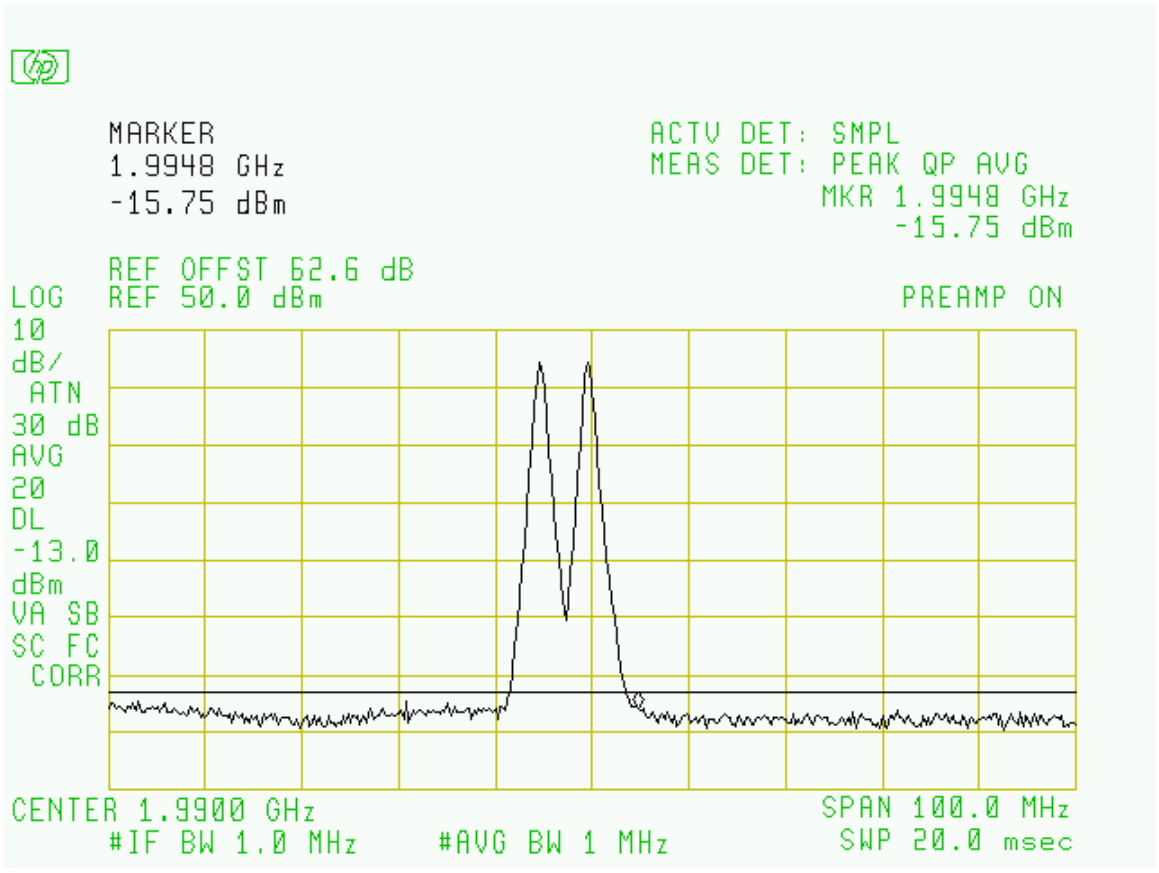
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



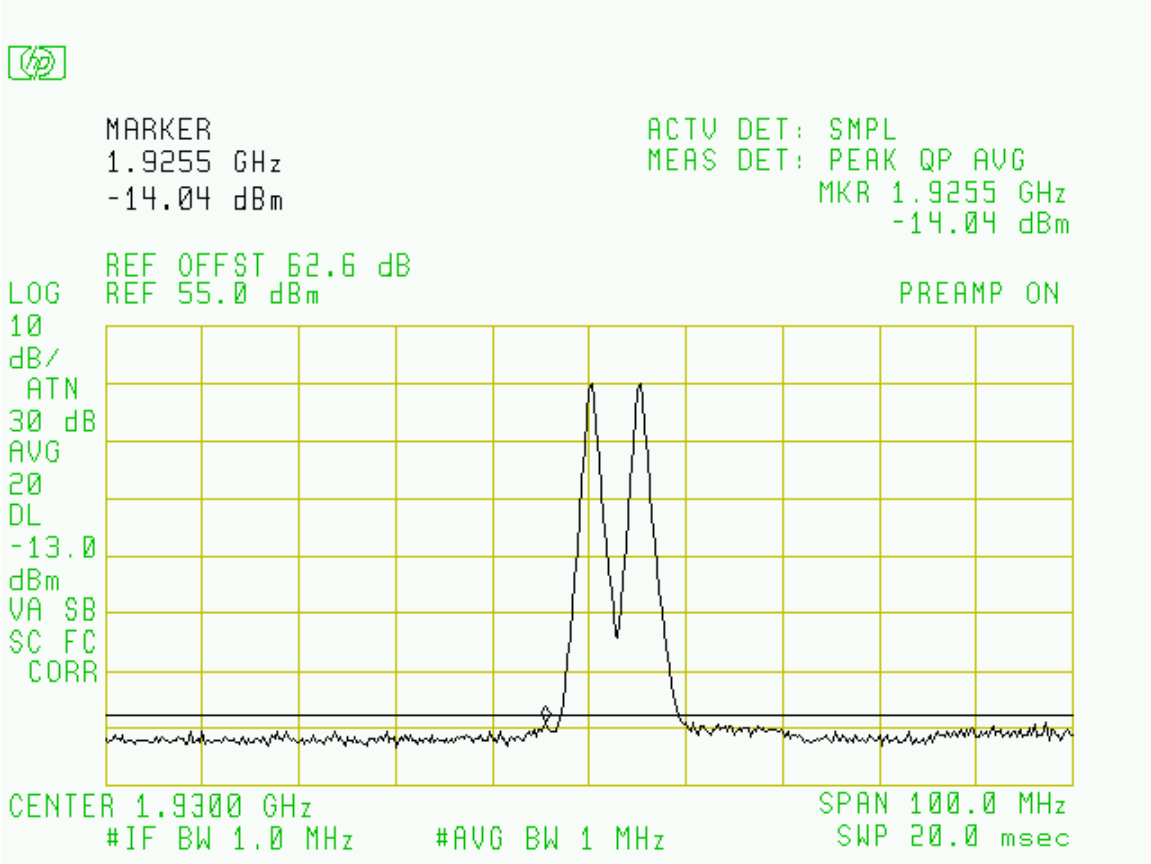
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



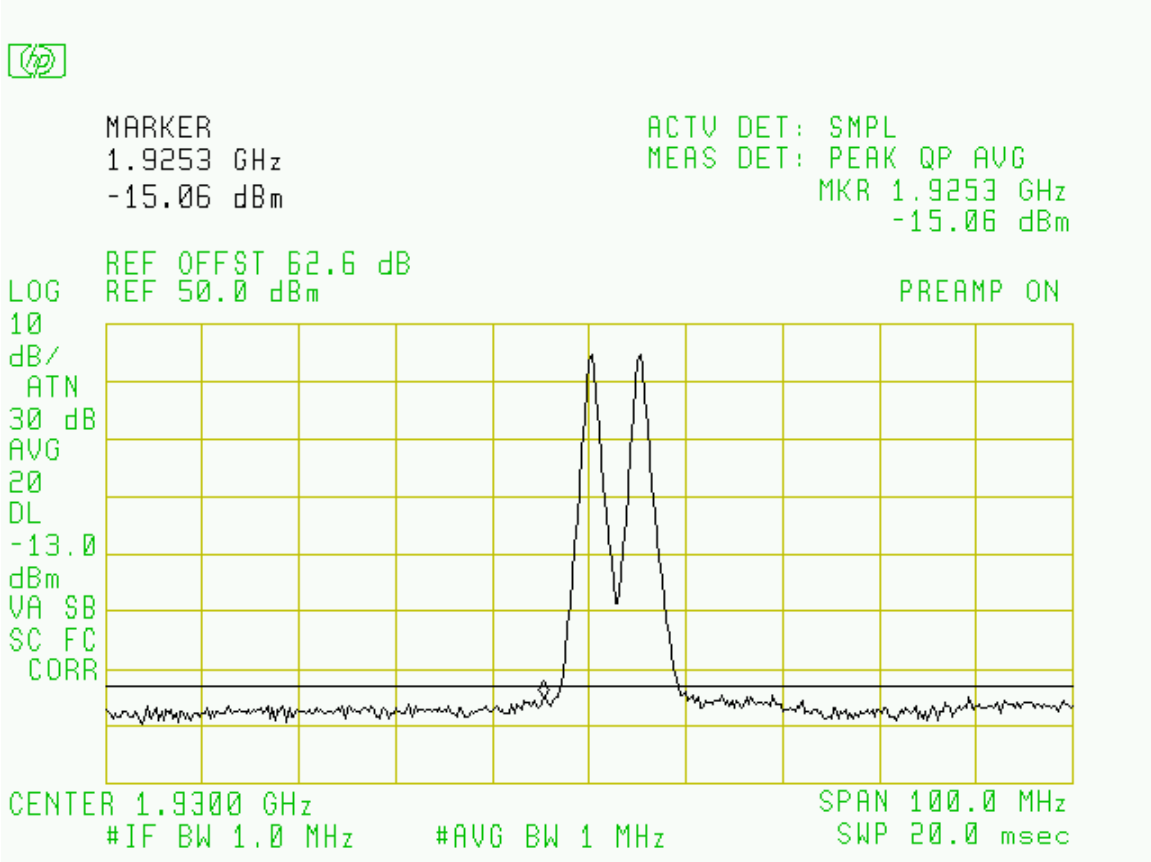
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Inter-modulation, M CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



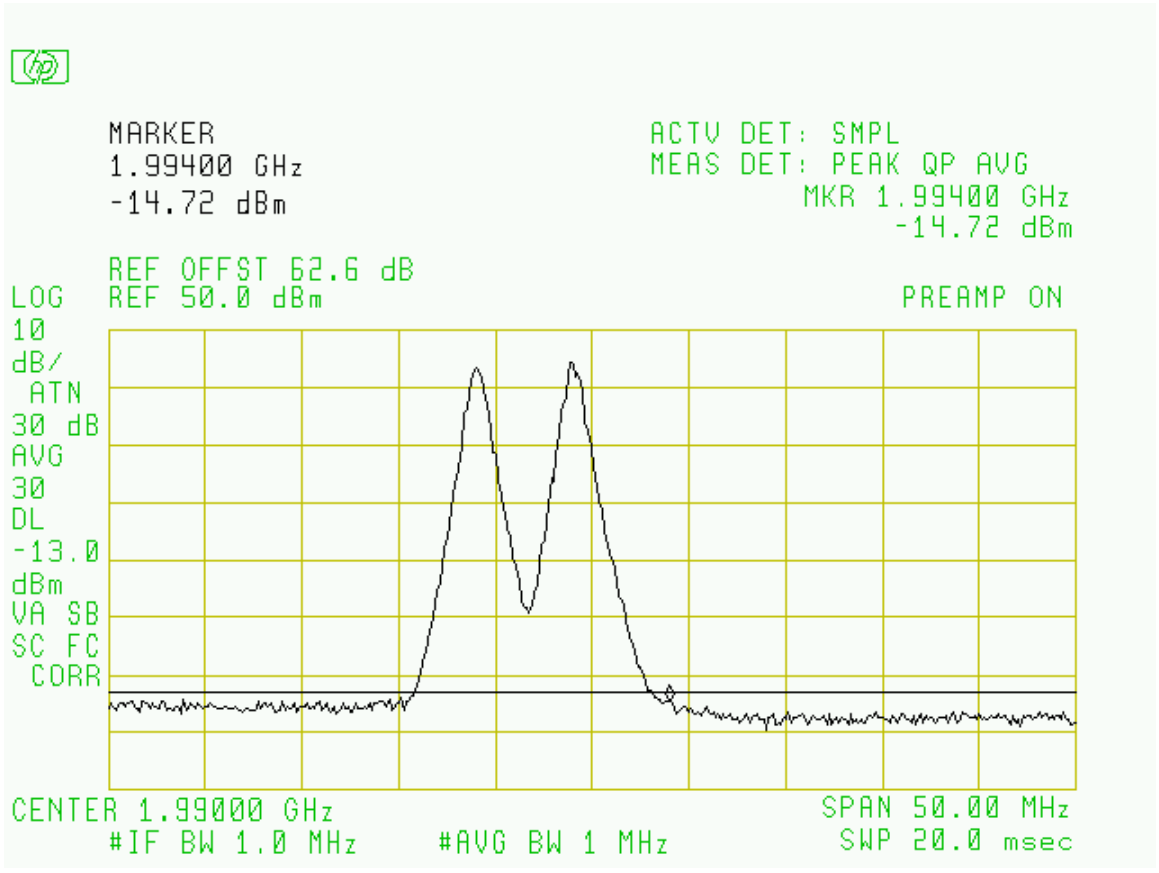
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



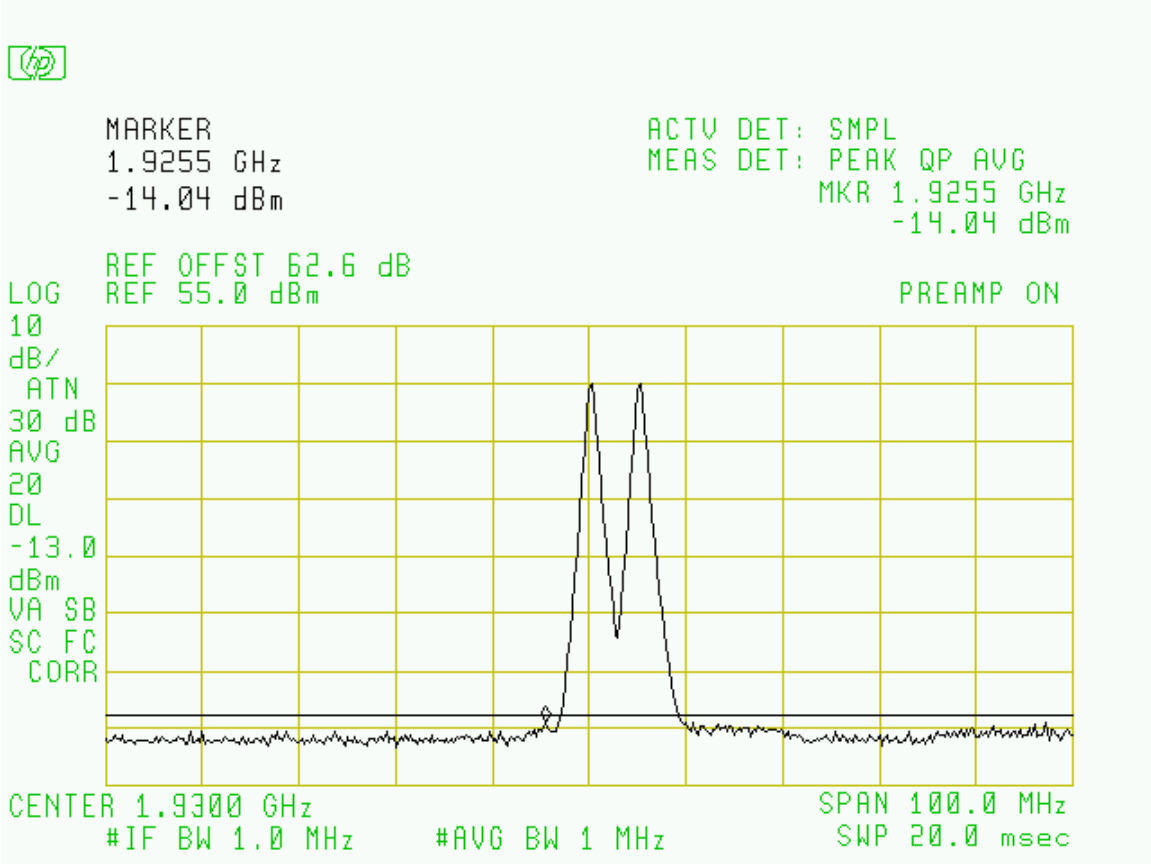
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



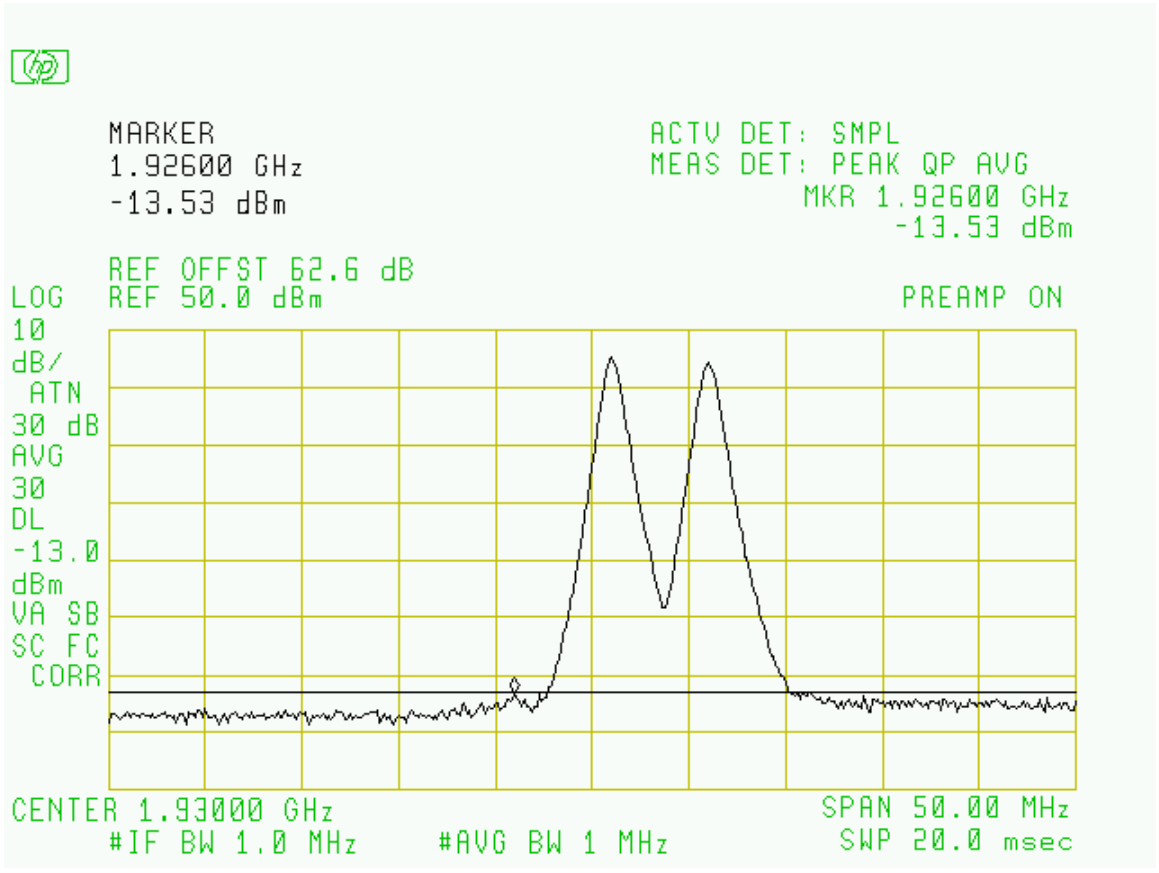
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Inter-modulation, M CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



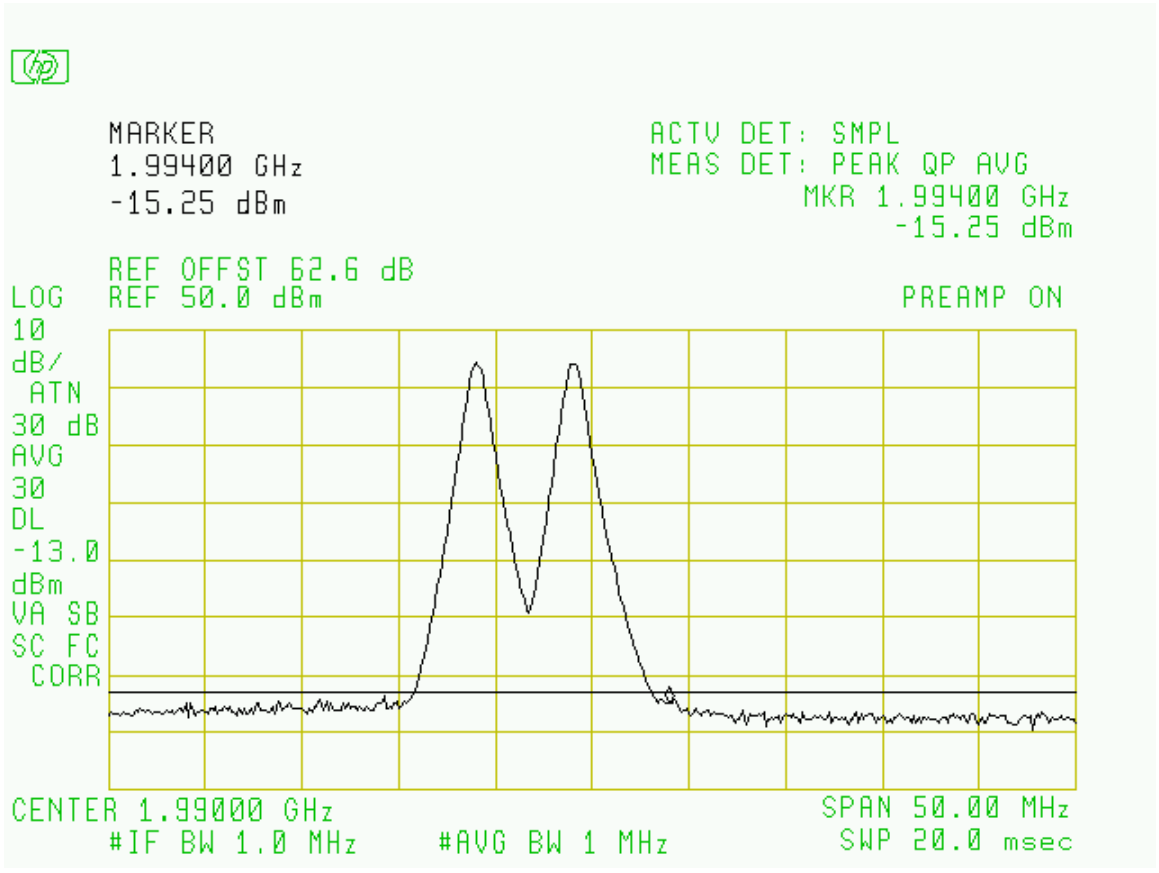
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



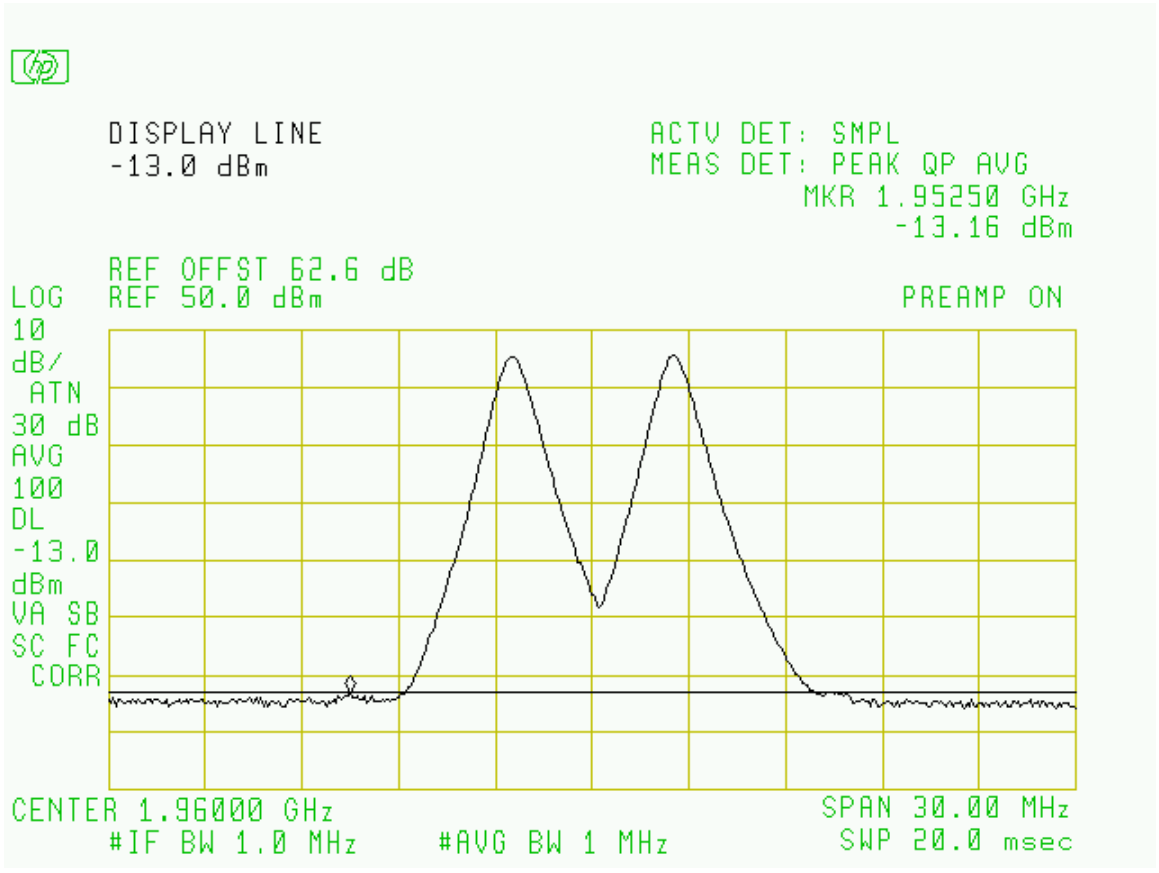
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, H CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



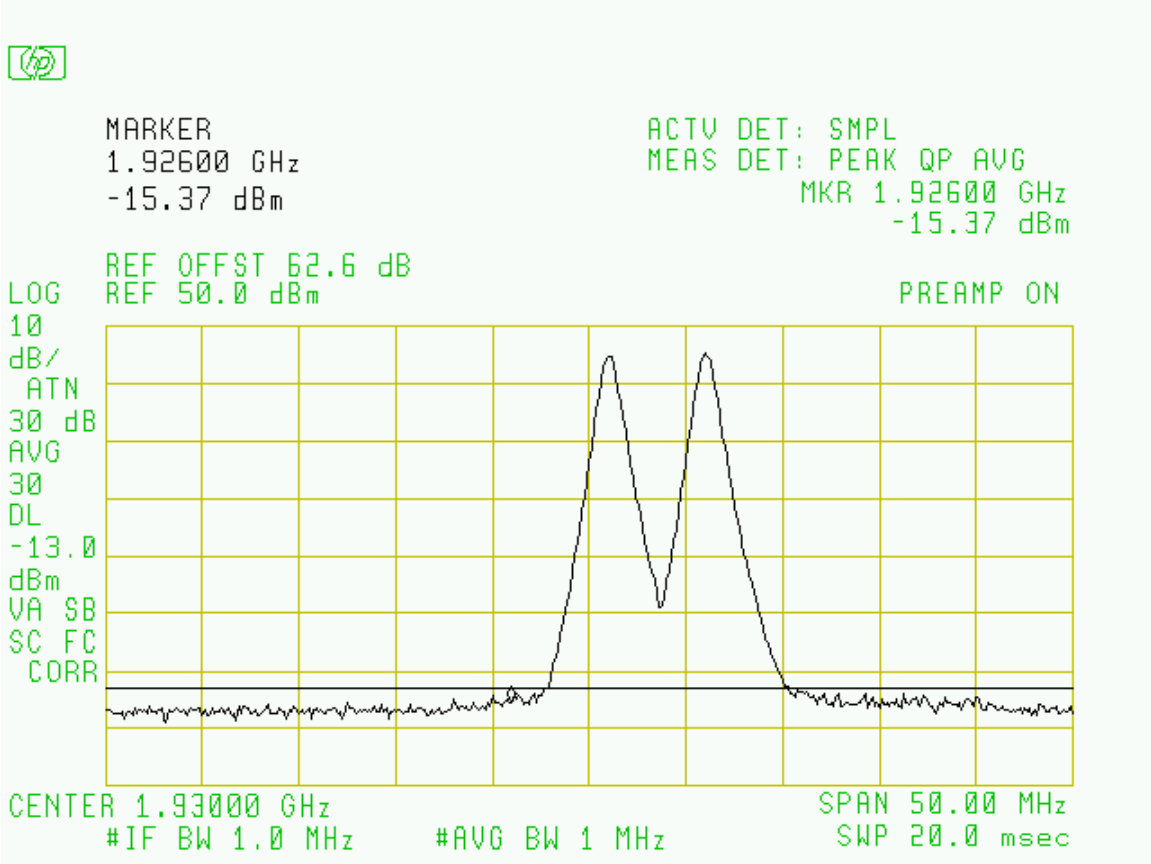
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, M CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



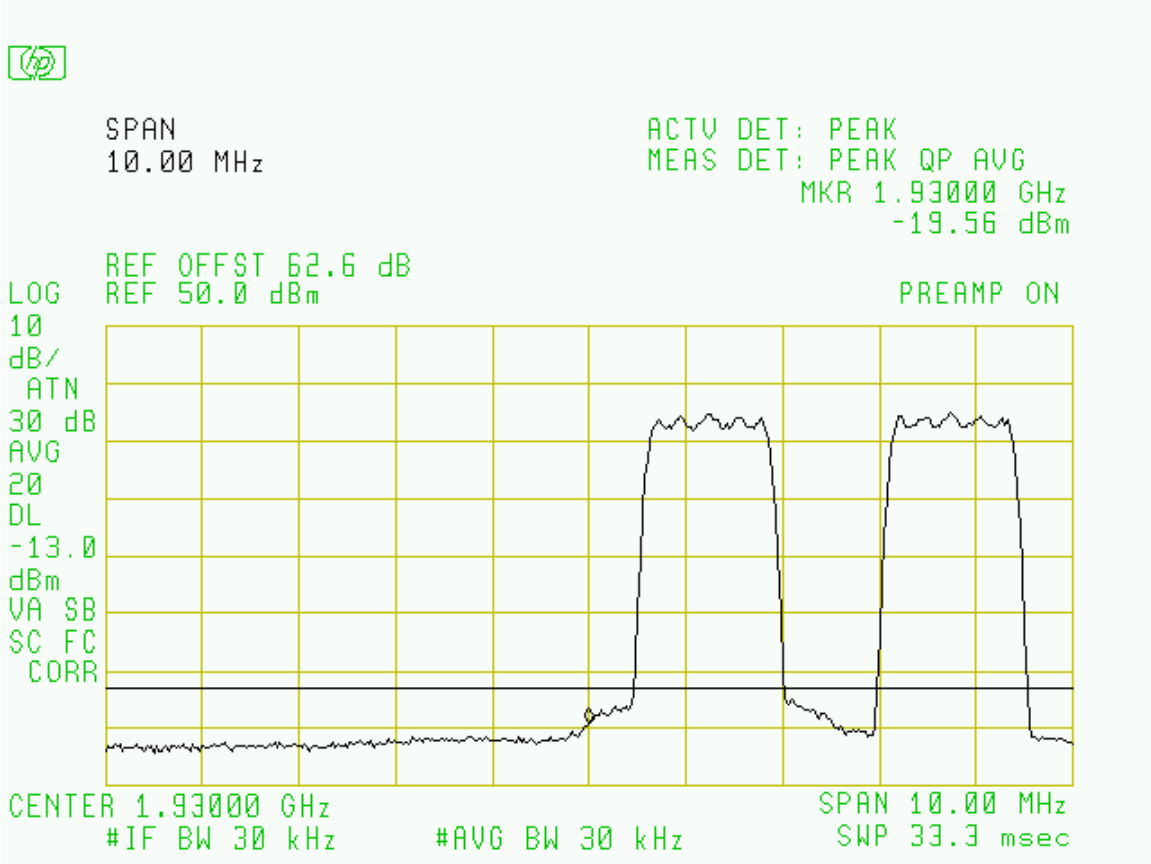
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Inter-modulation, L CH**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



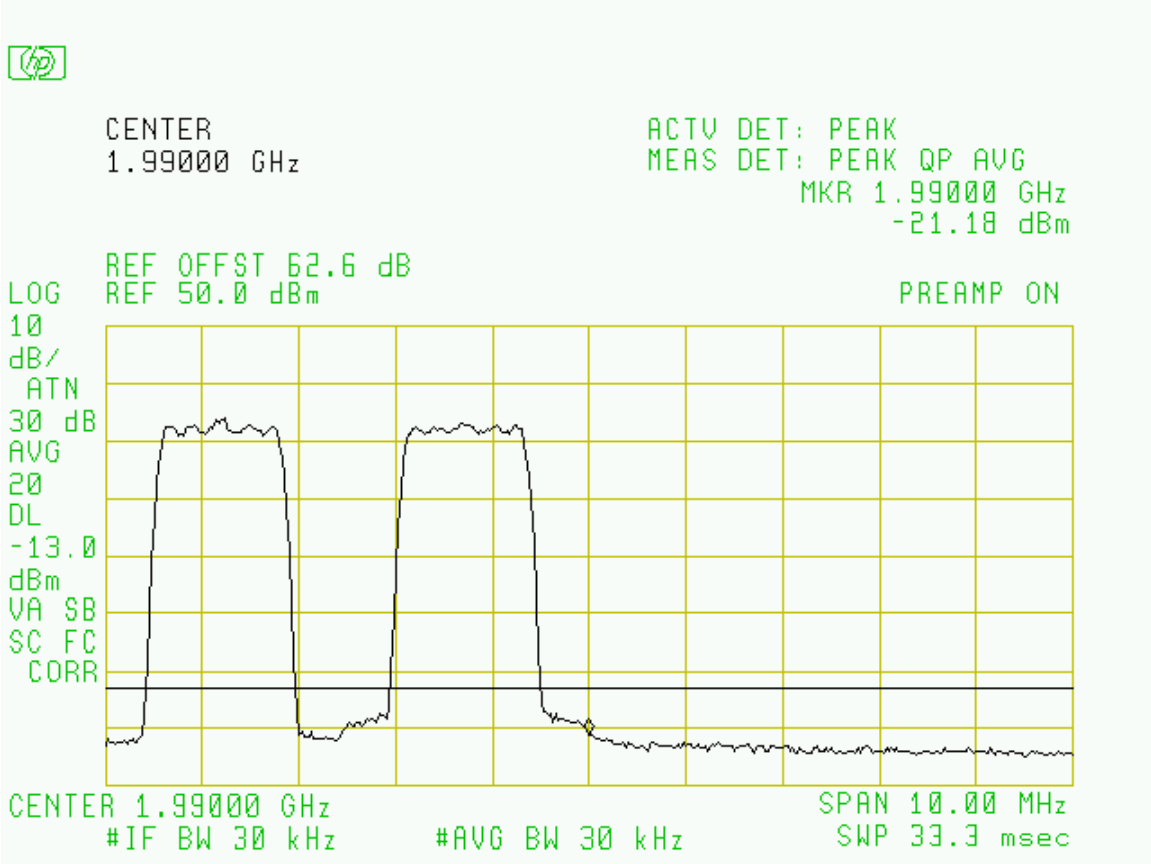
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



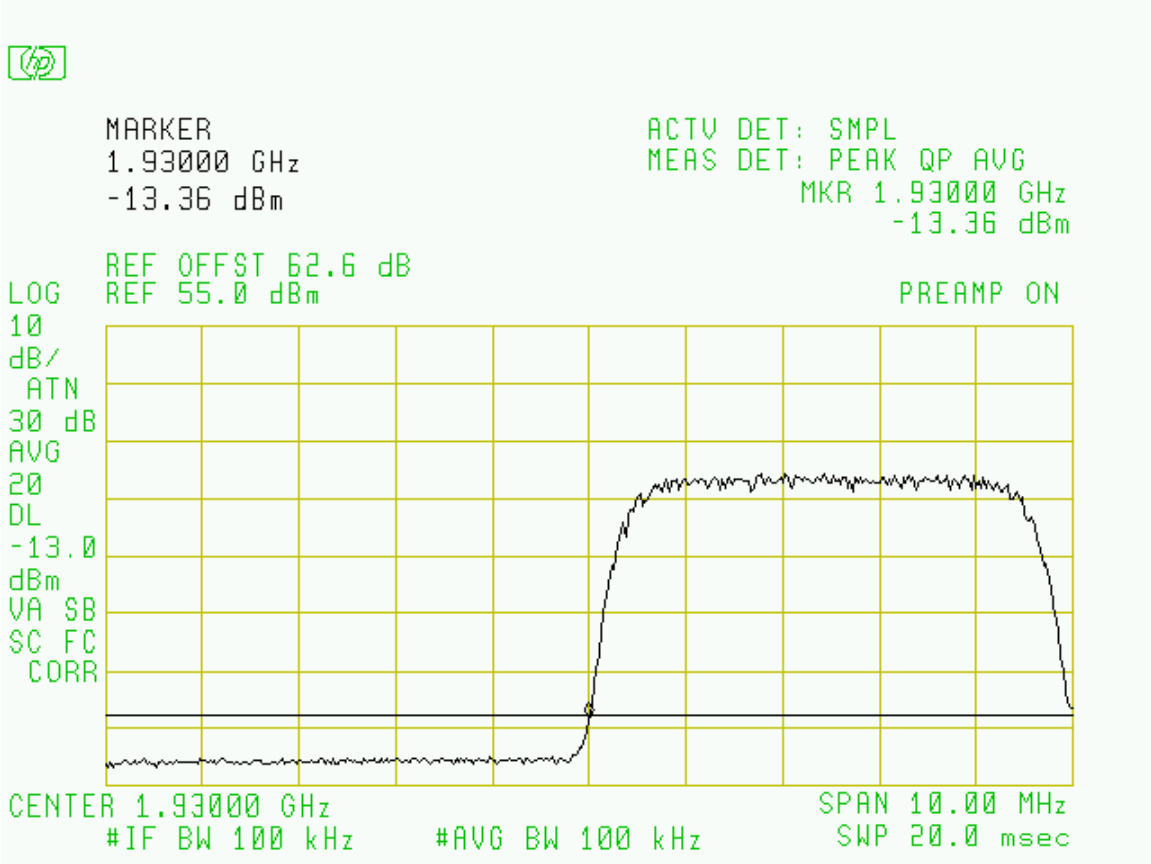
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



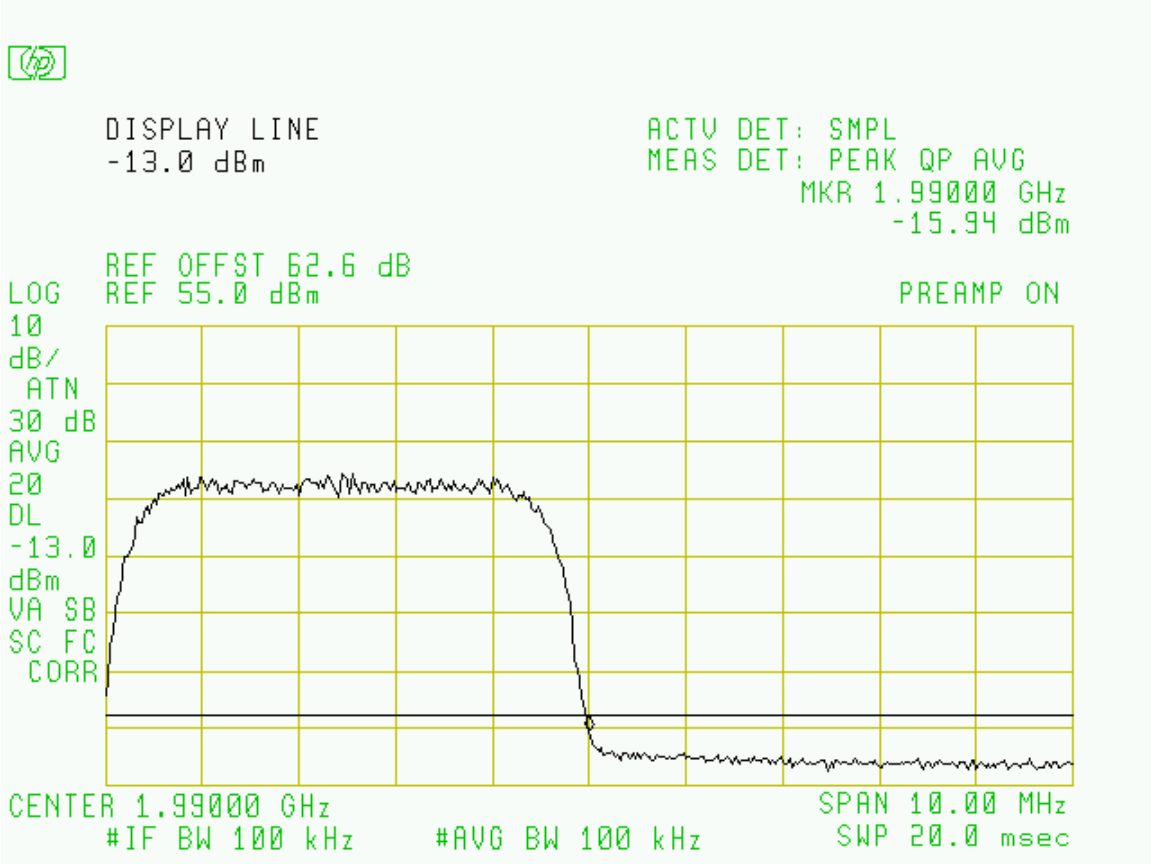
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



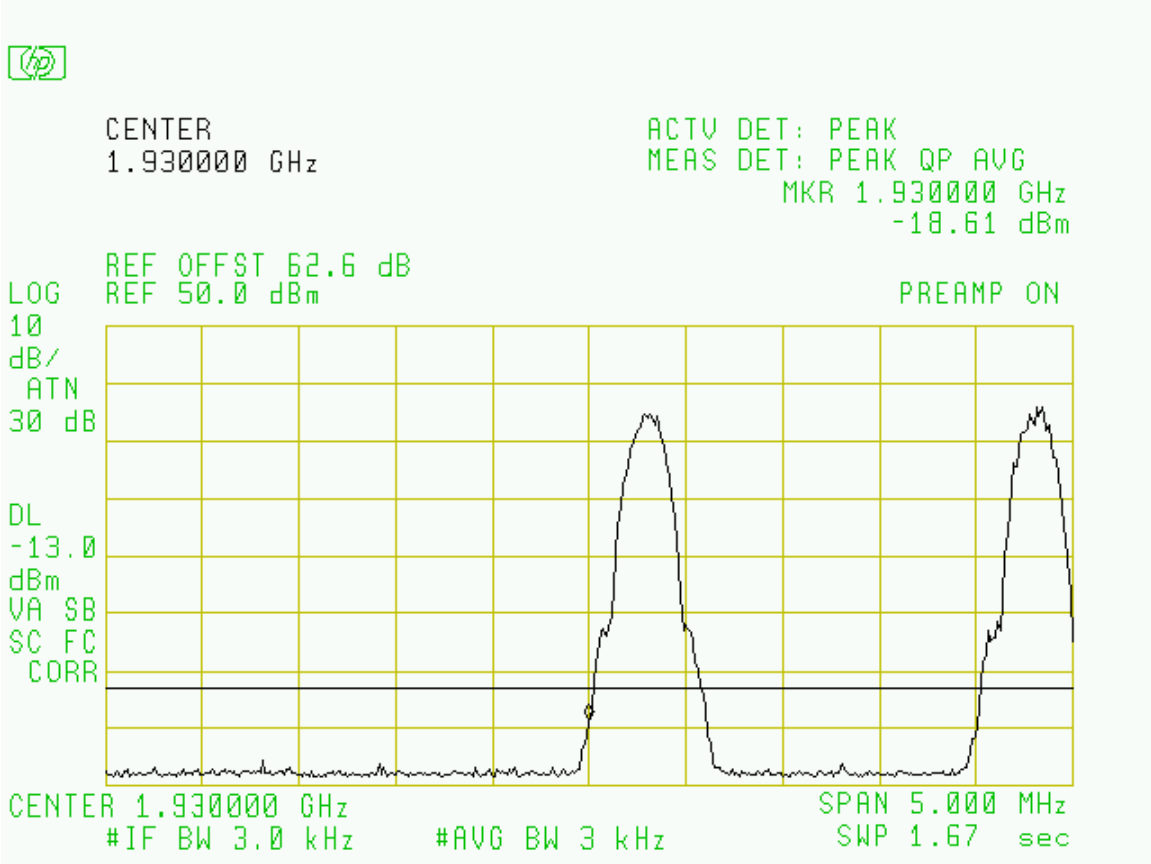
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



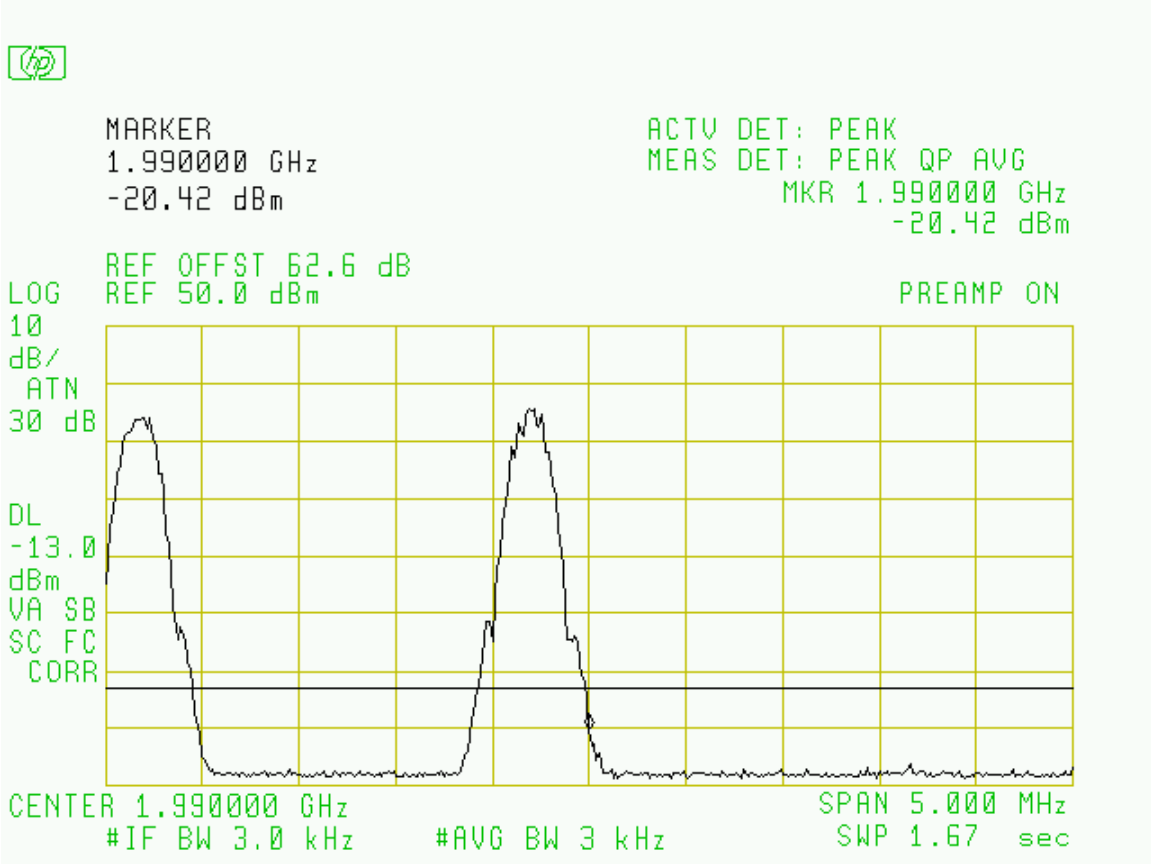
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



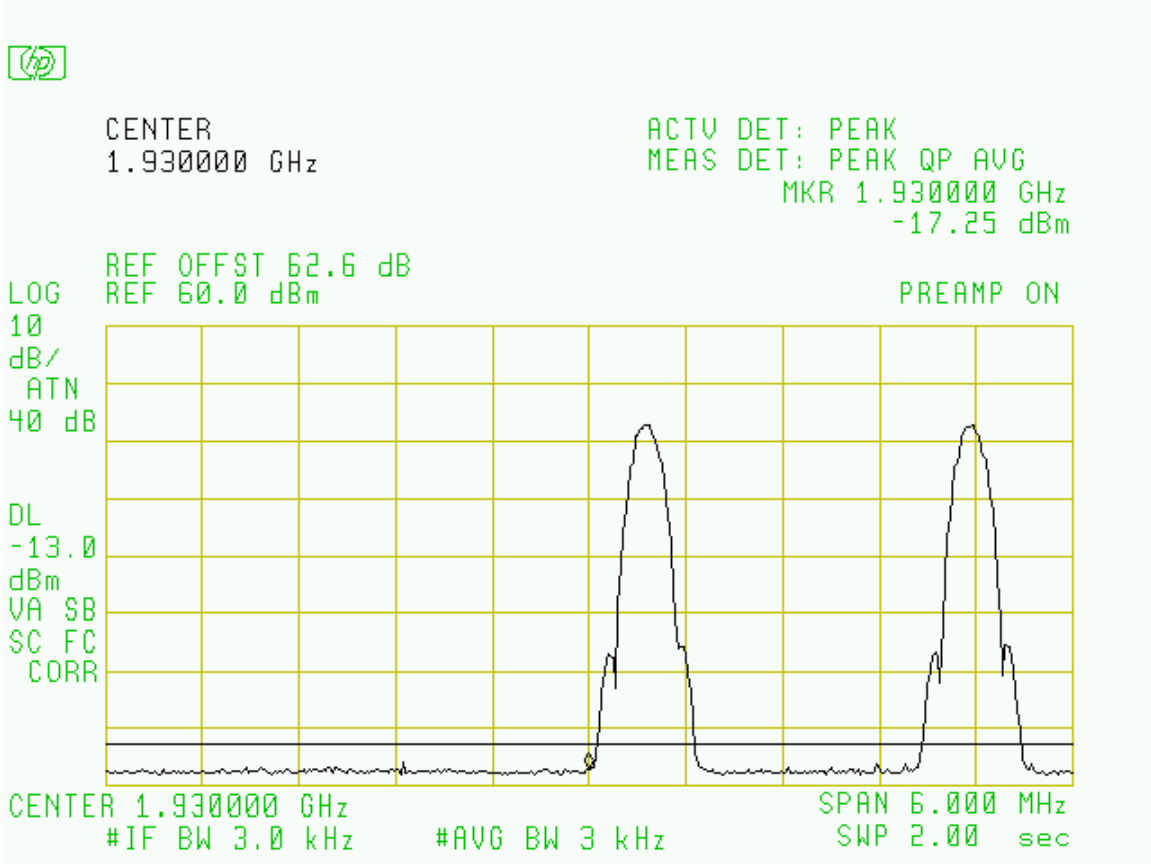
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70˚F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



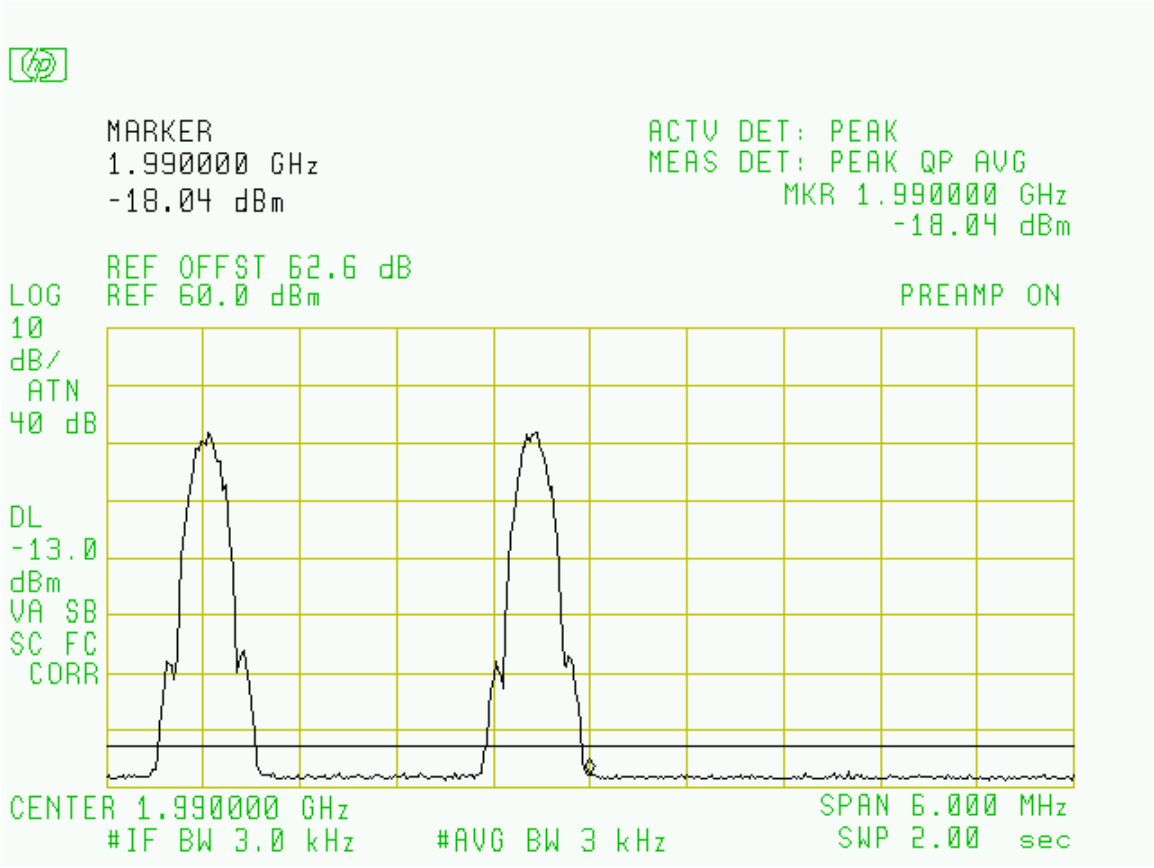
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



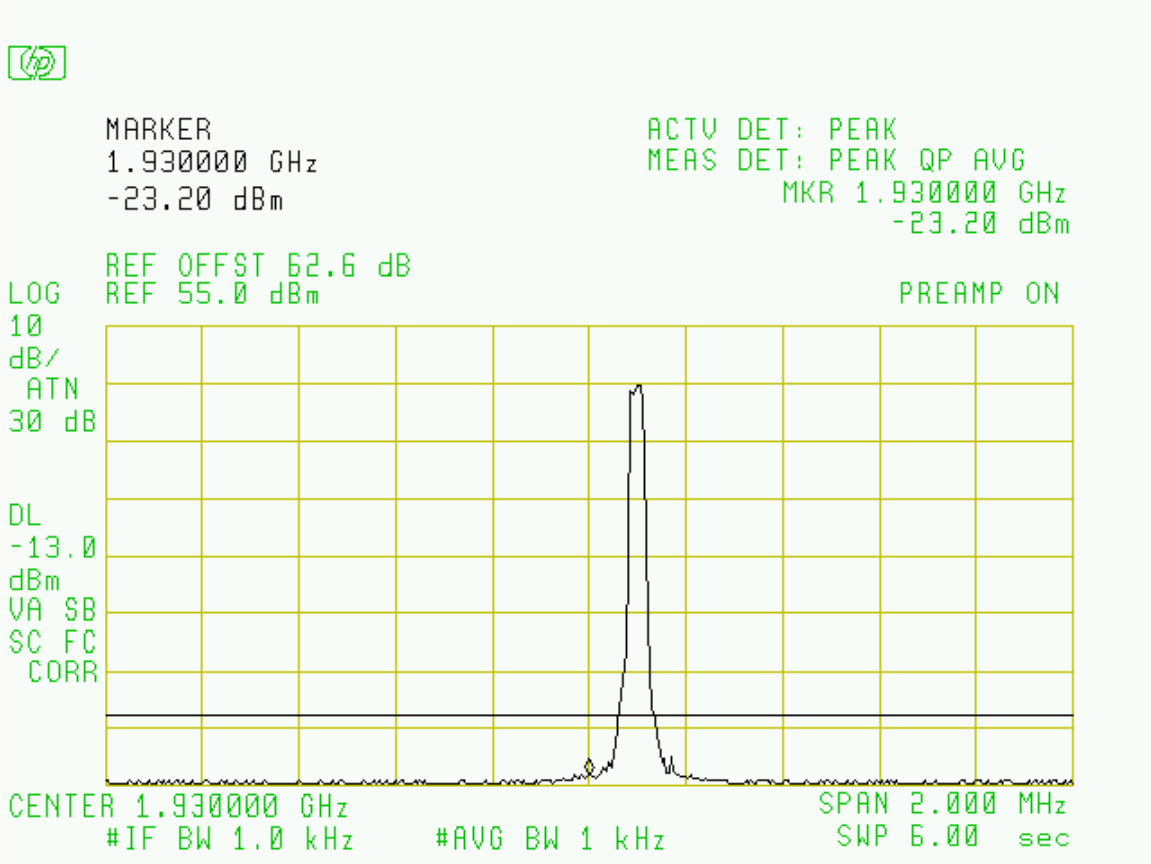
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



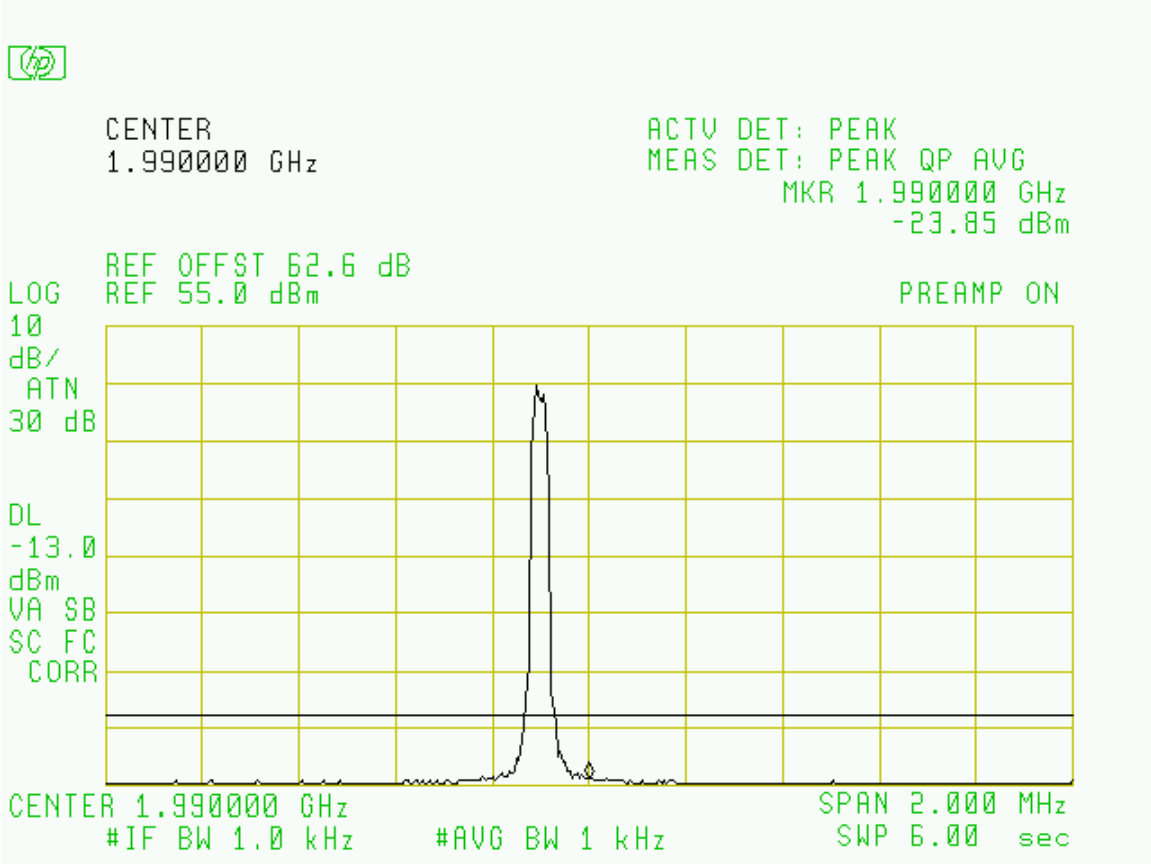
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, Low-Chn, Lower Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



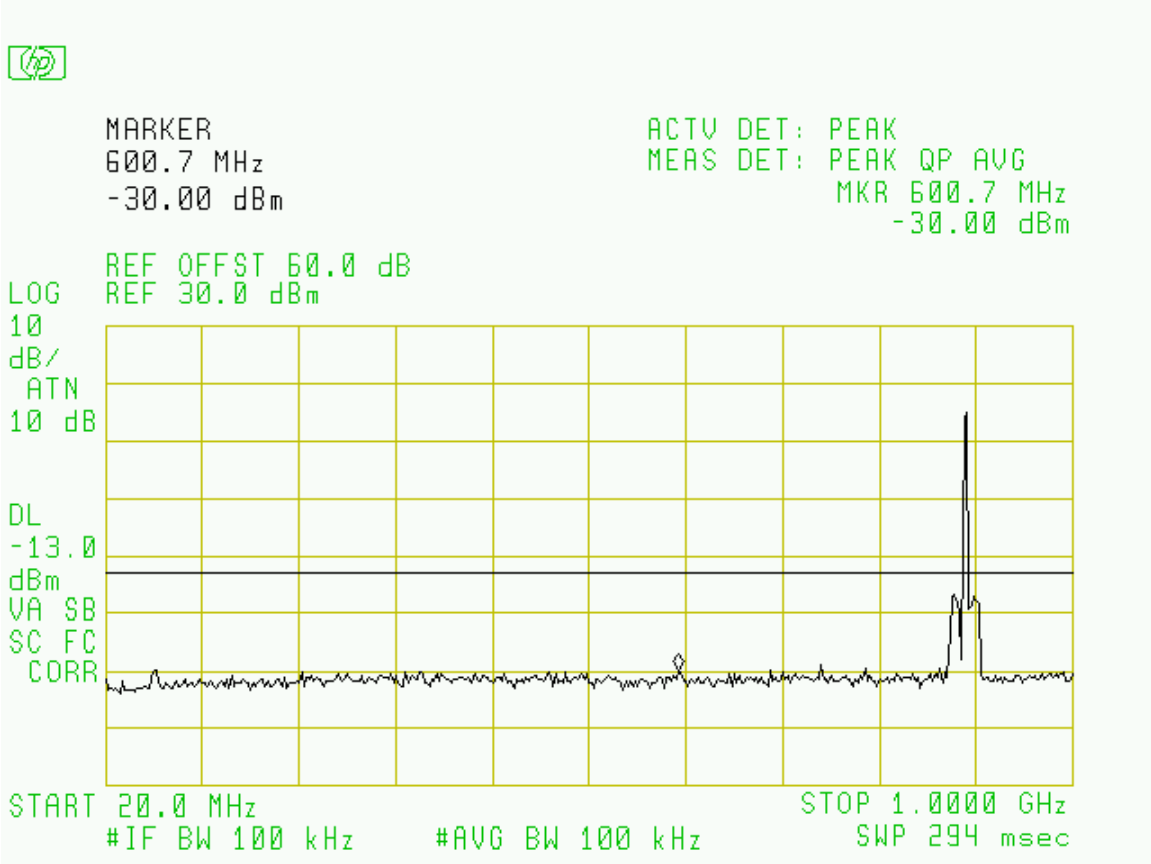
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Edward Lee
Temperature:	70°F
Humidity:	30%

Section:	**Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, Hi-Chn, Upper Bandedge**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



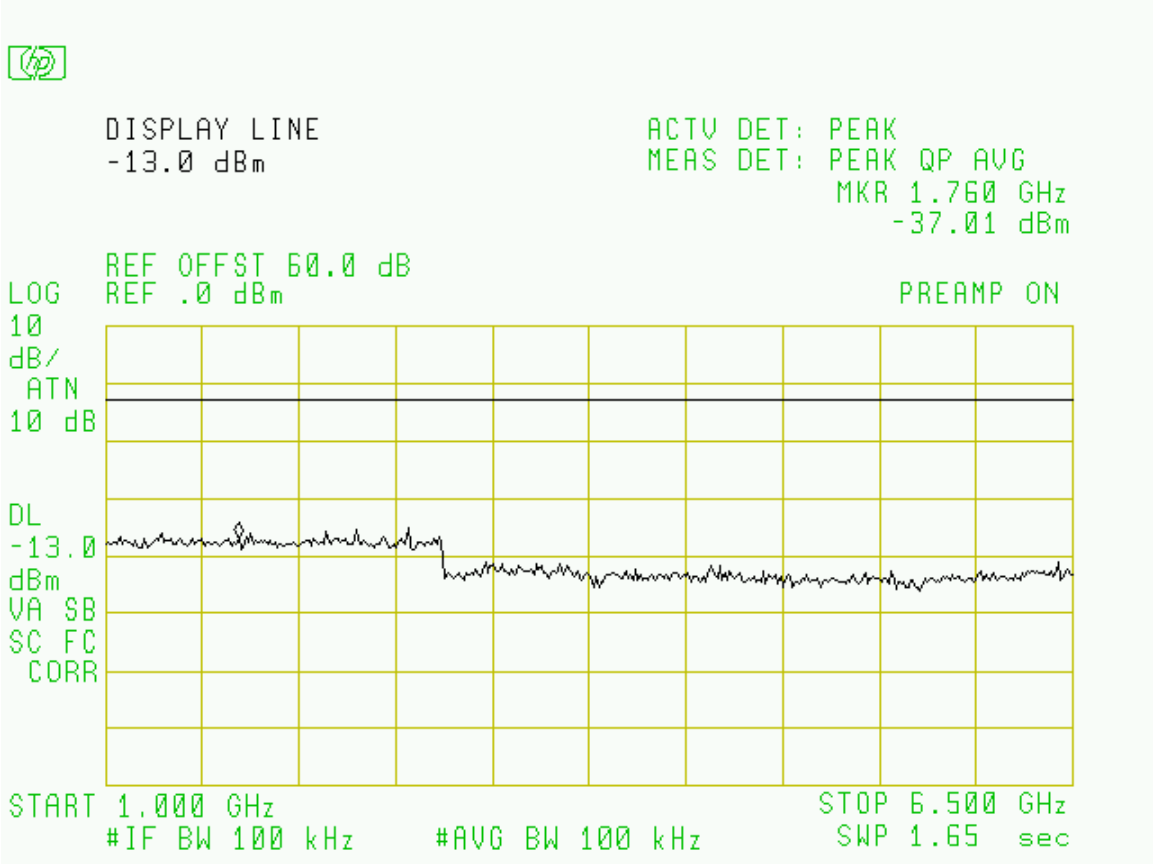
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



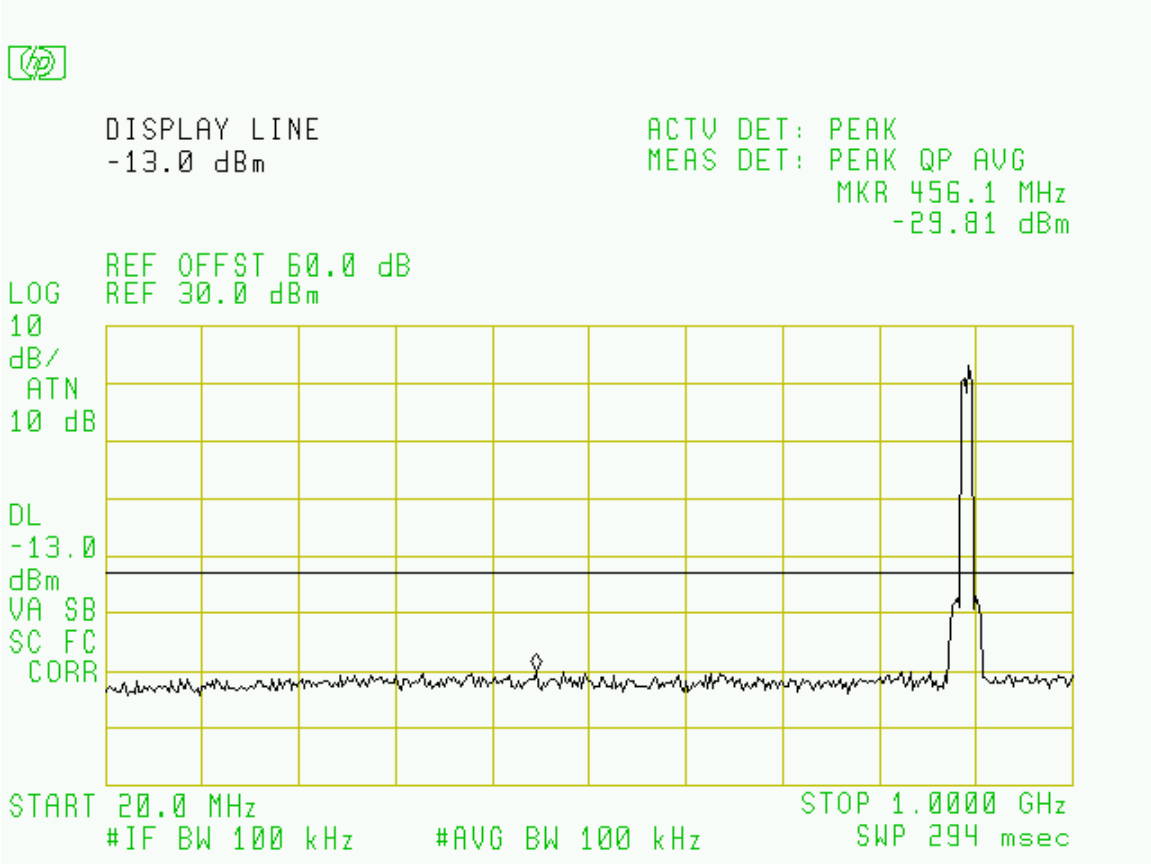
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



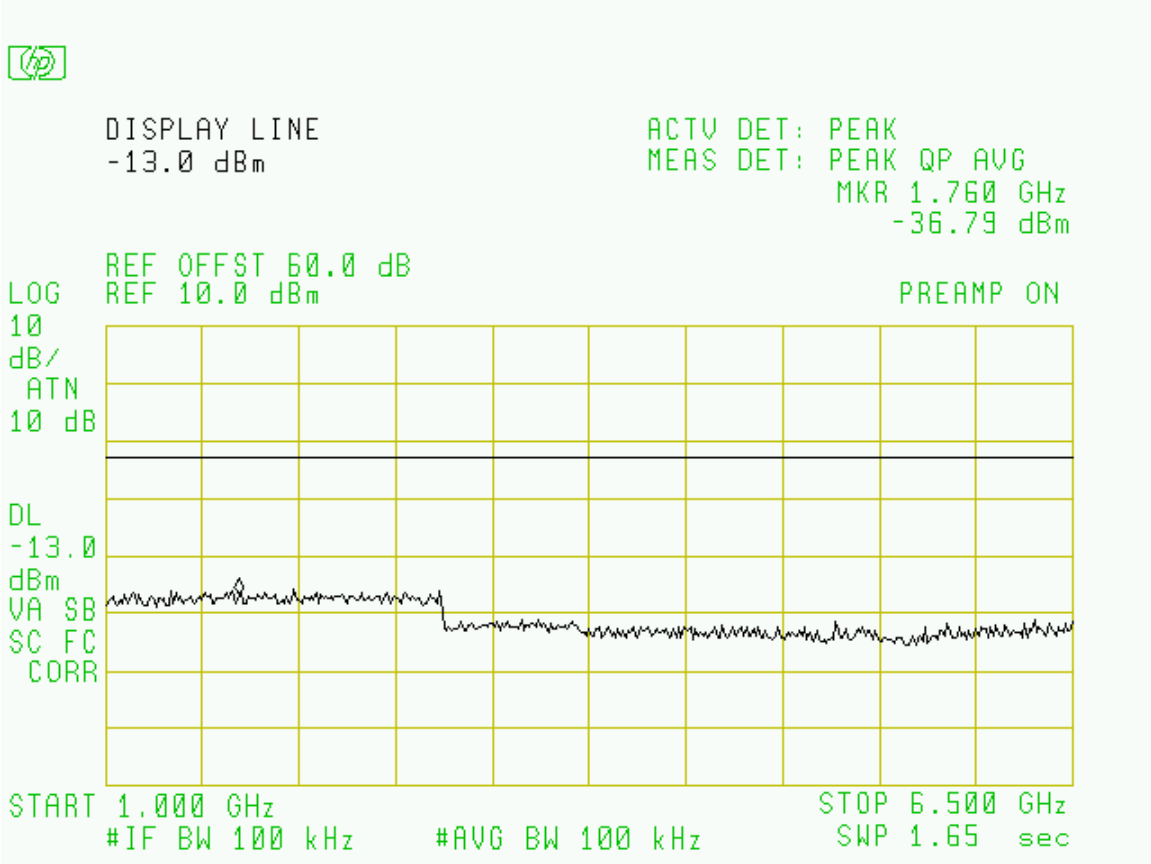
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



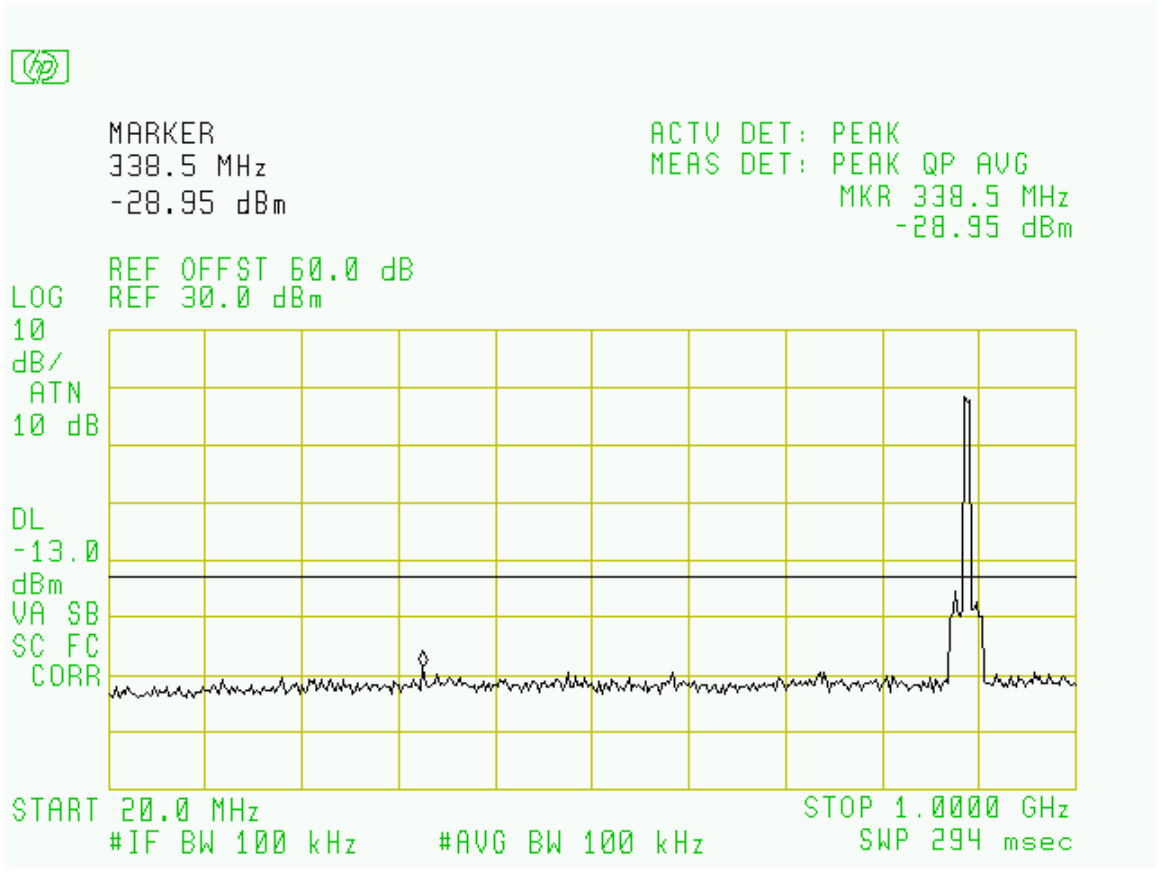
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / WCDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



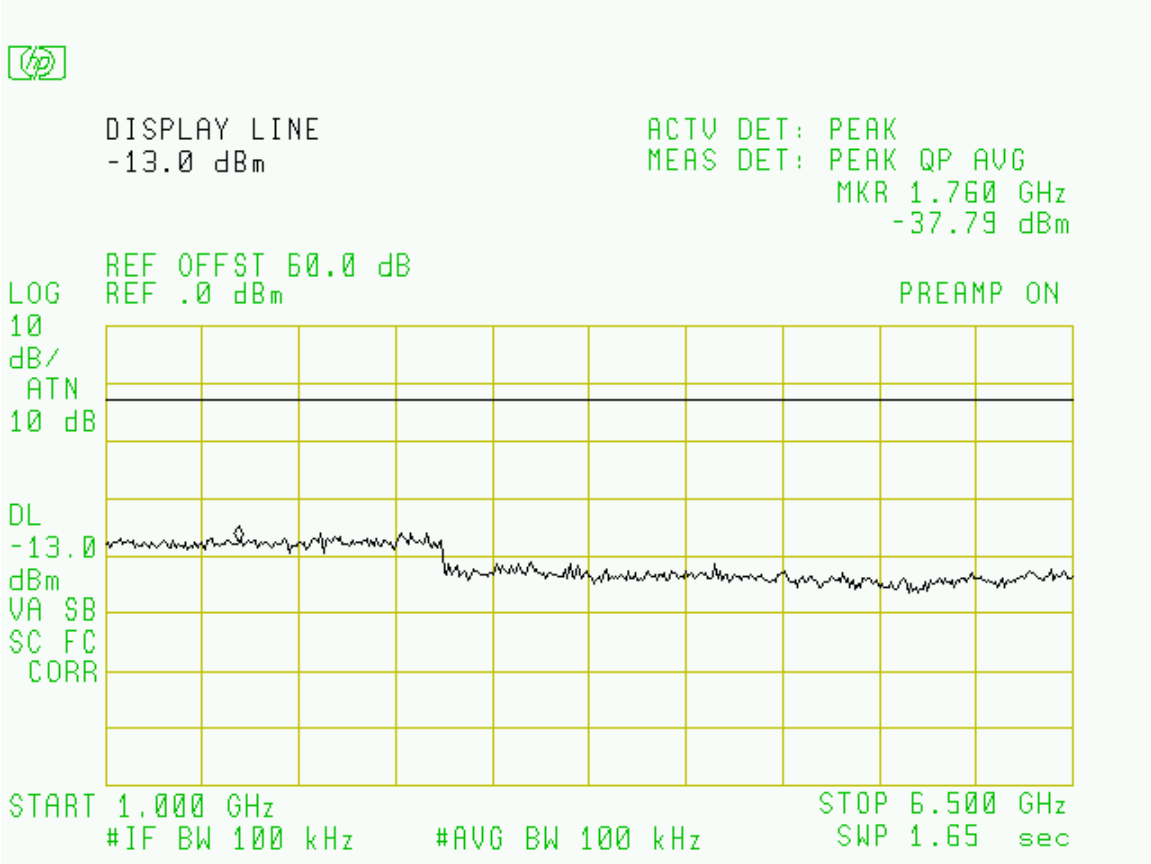
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



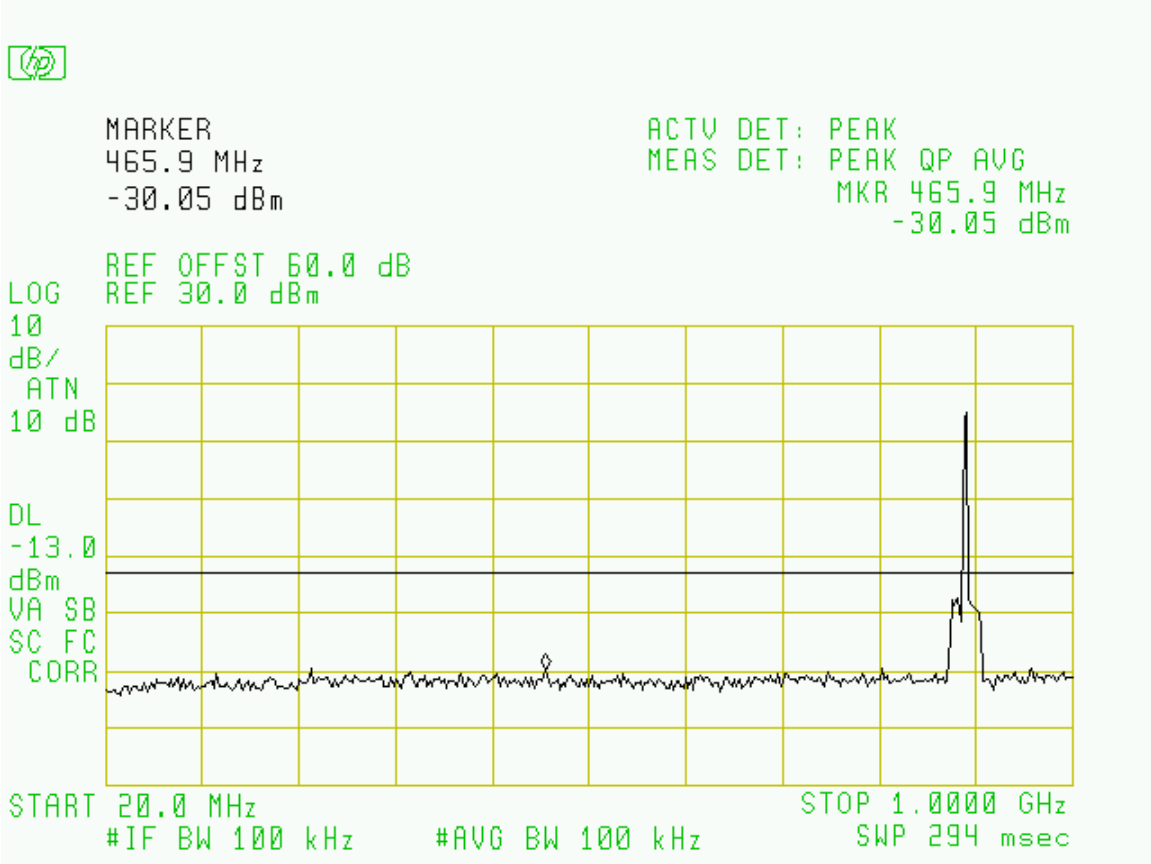
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / GSM Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



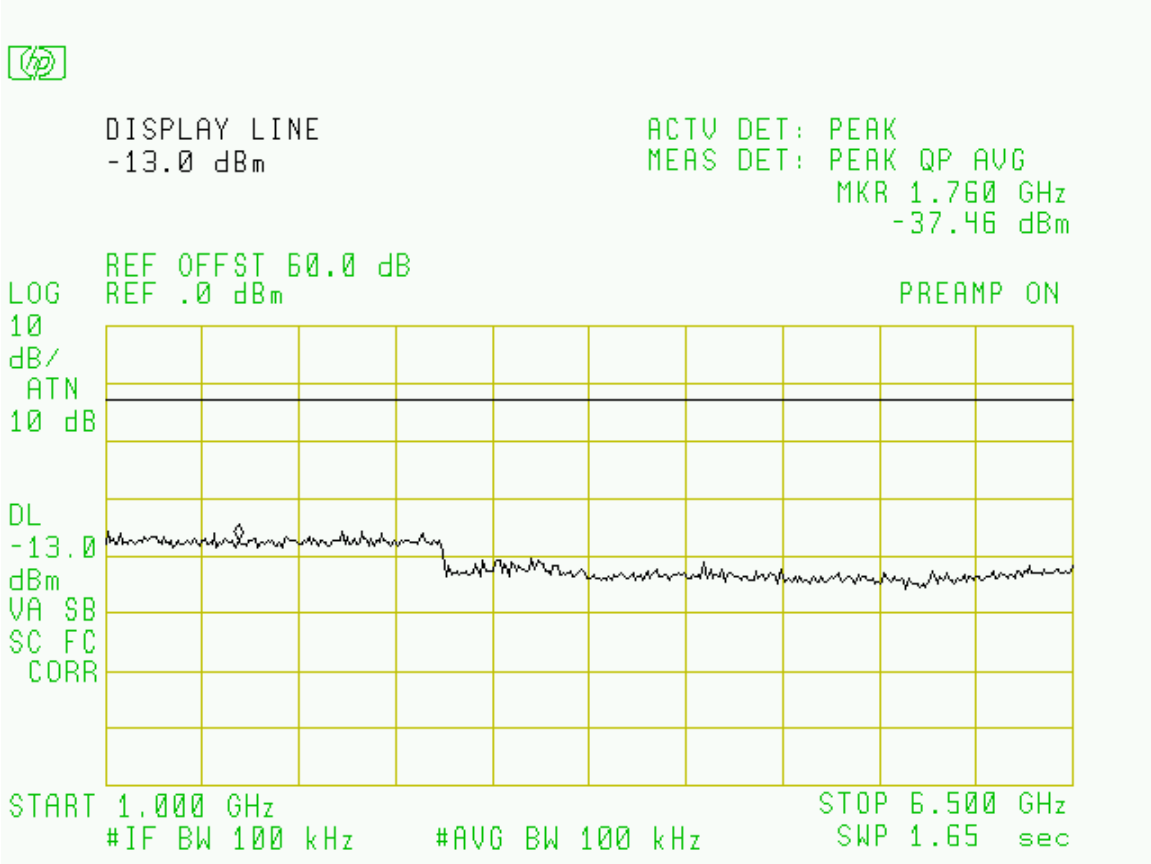
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



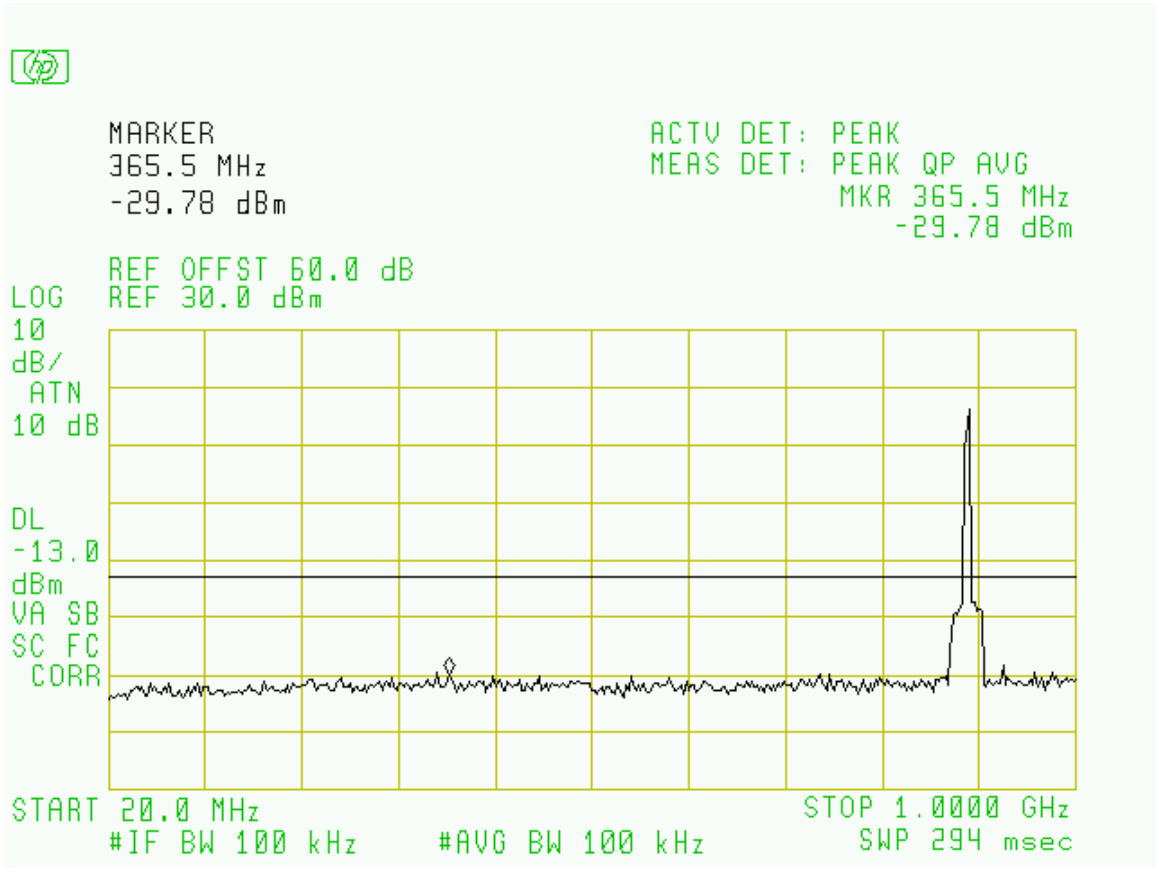
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / EDGE Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



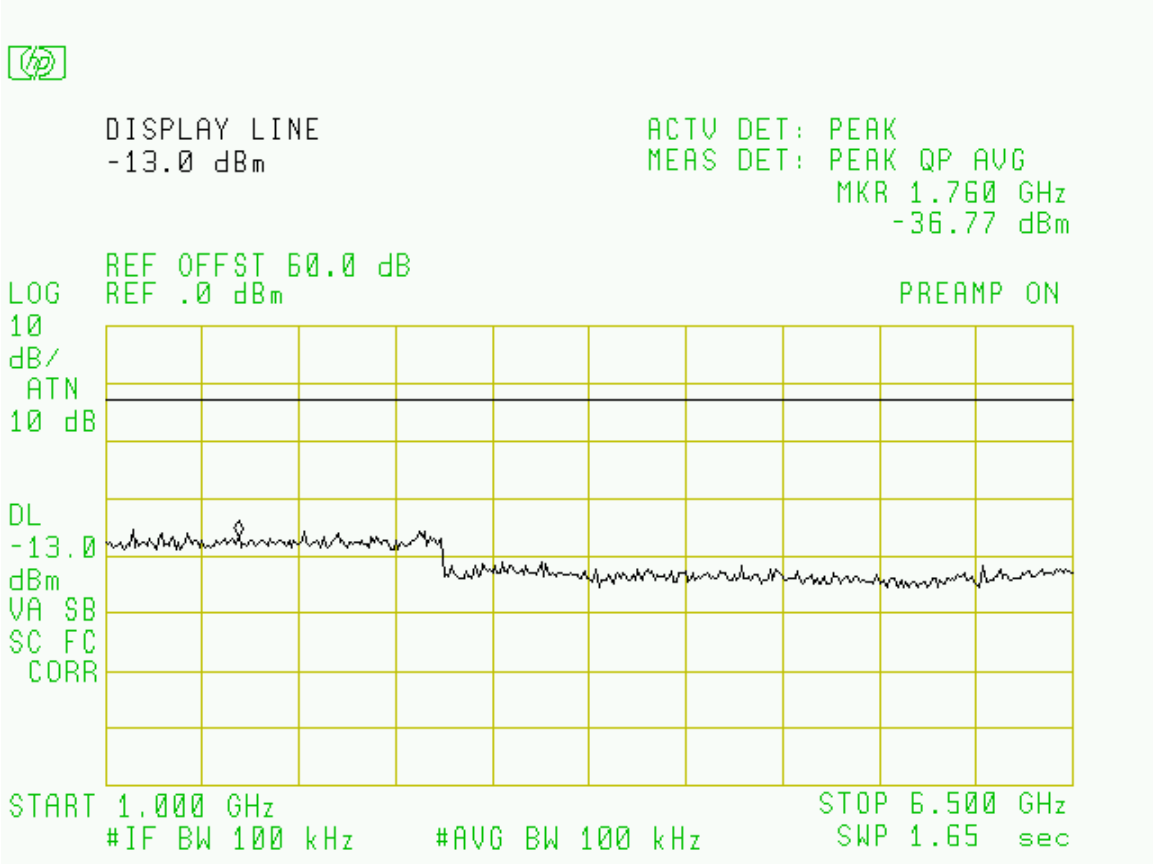
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



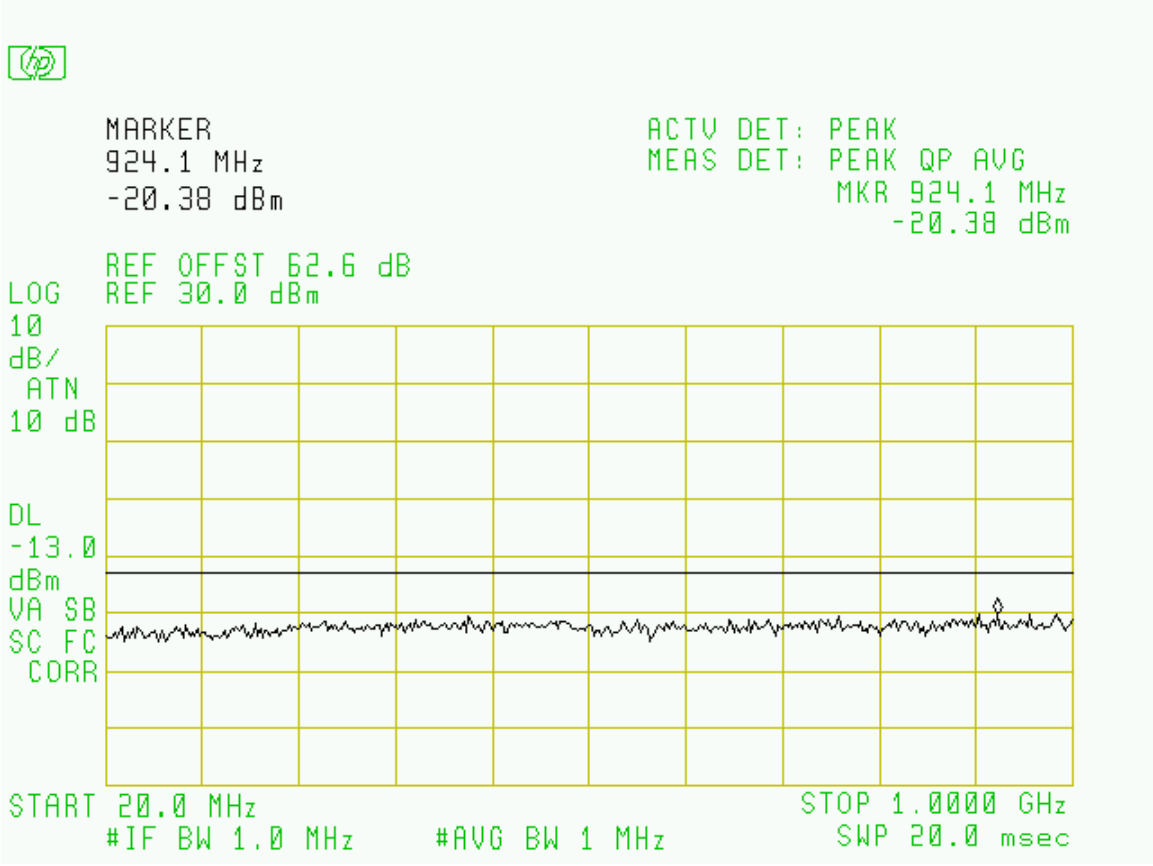
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: CELLULAR Bands / TDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



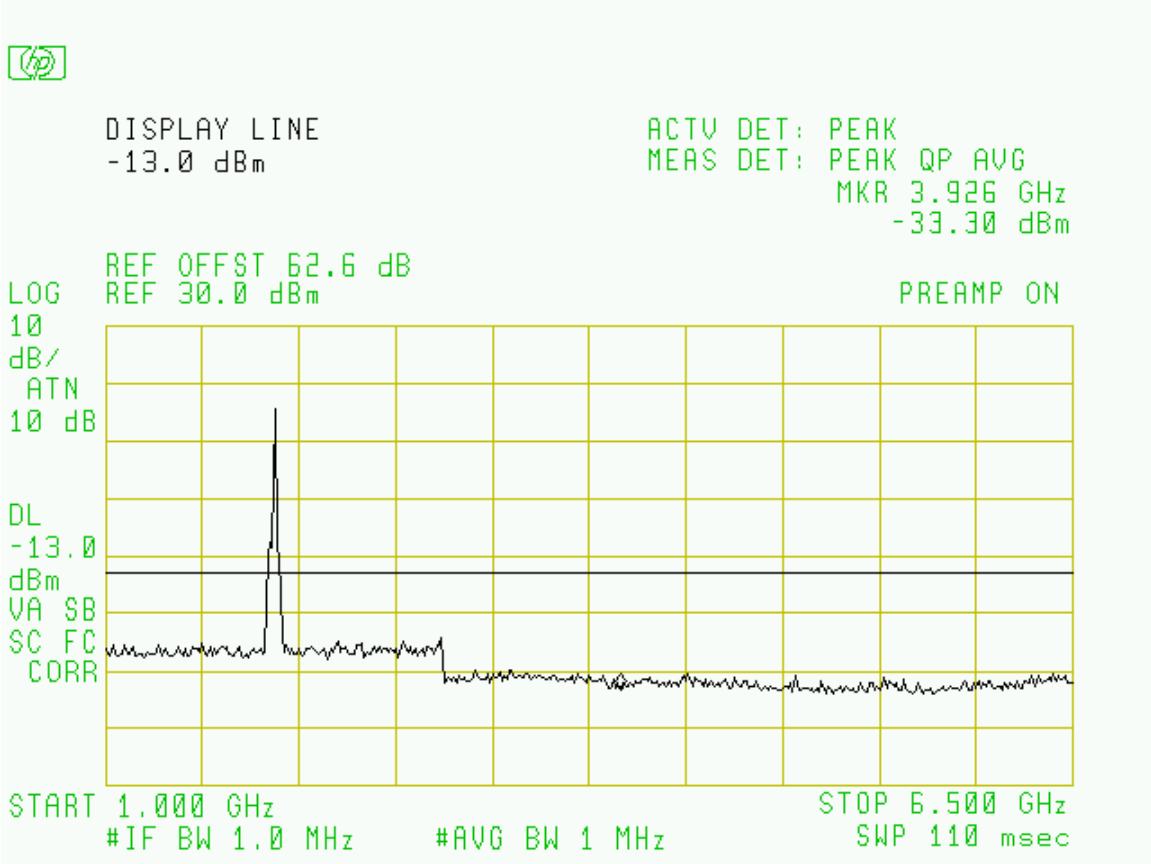
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



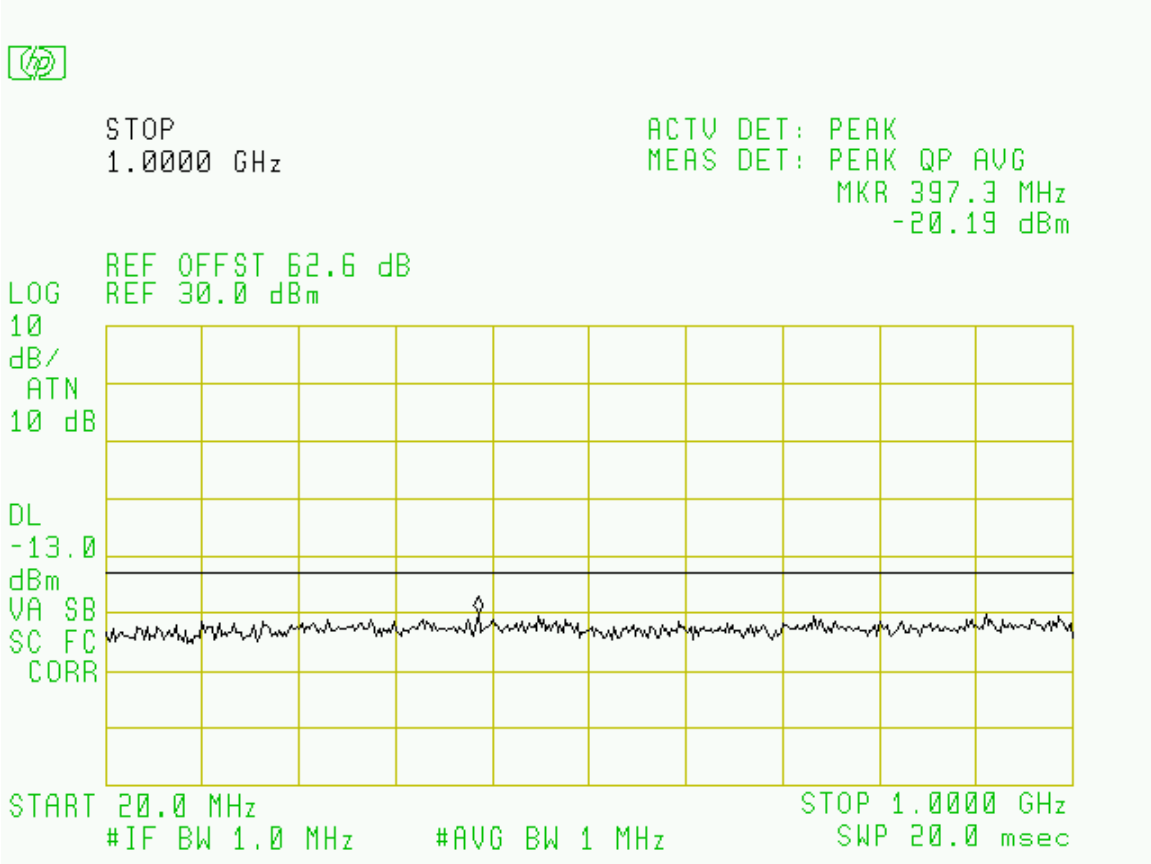
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / CDMA2000 Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



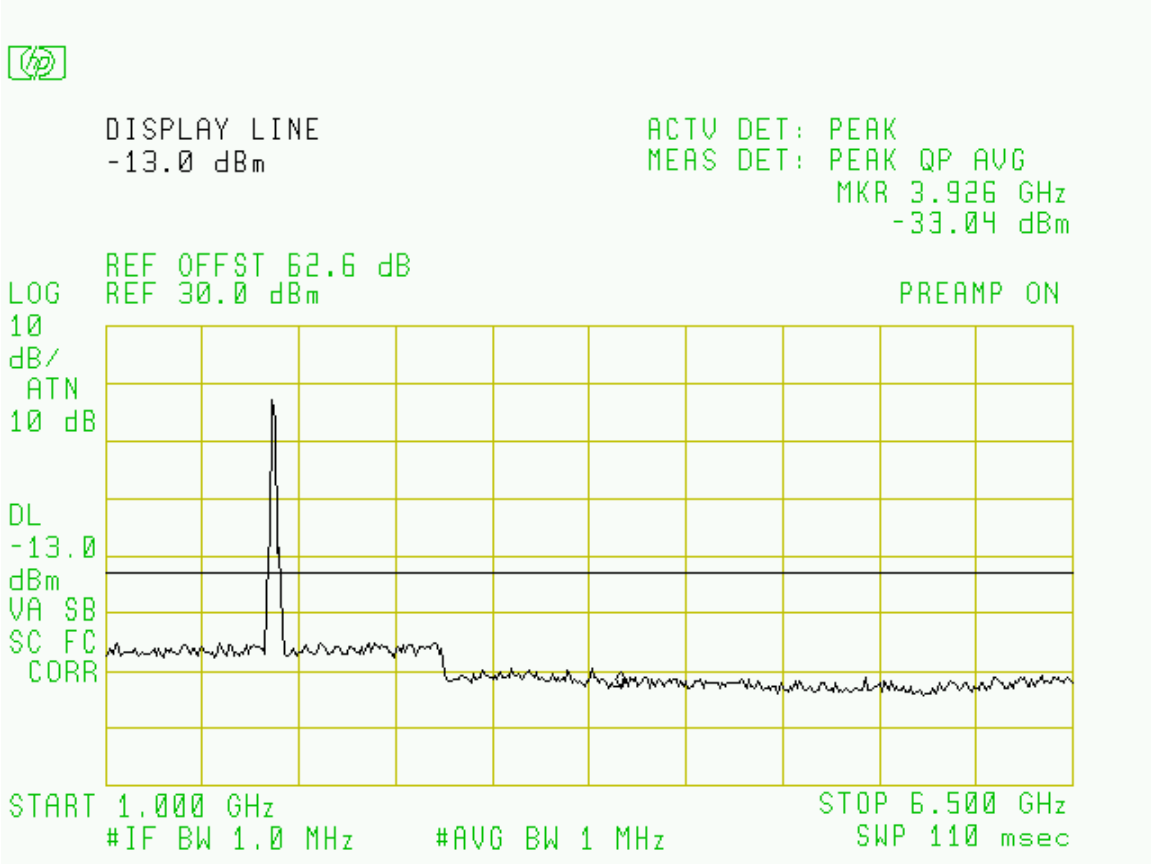
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



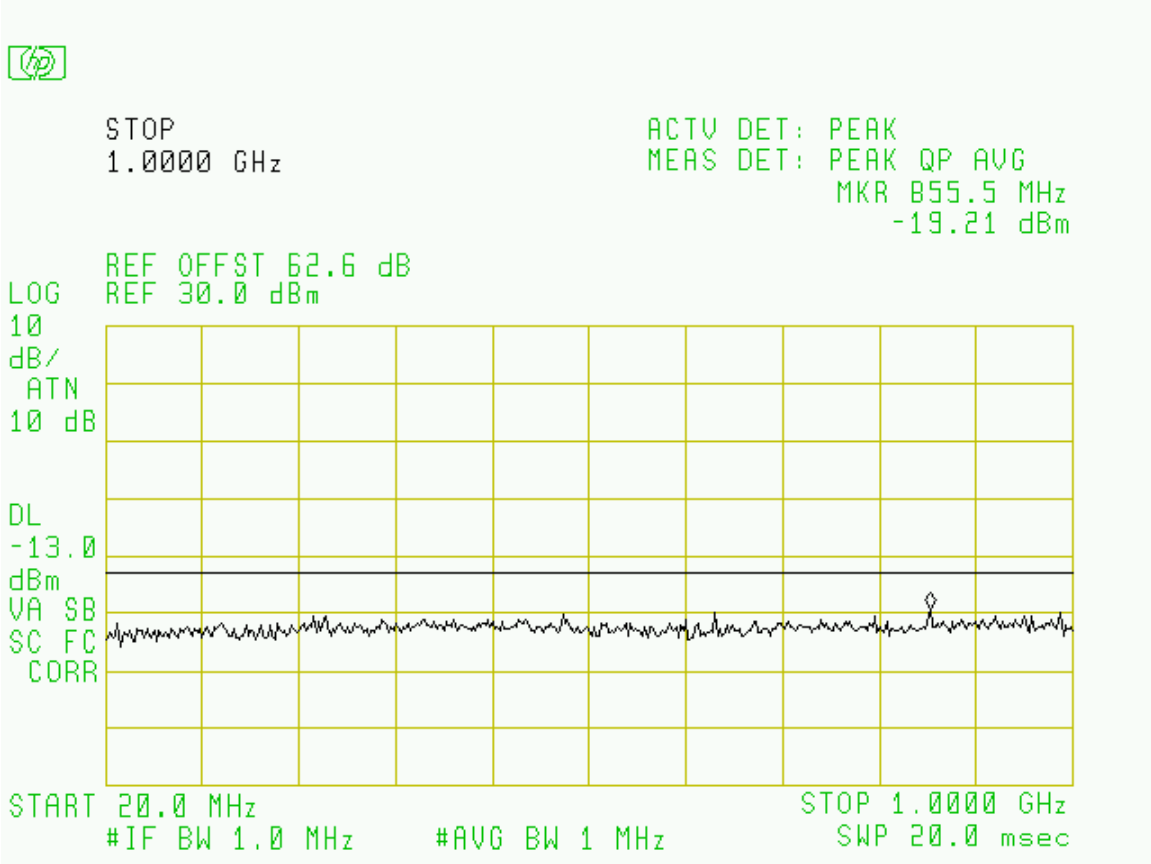
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / WCDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



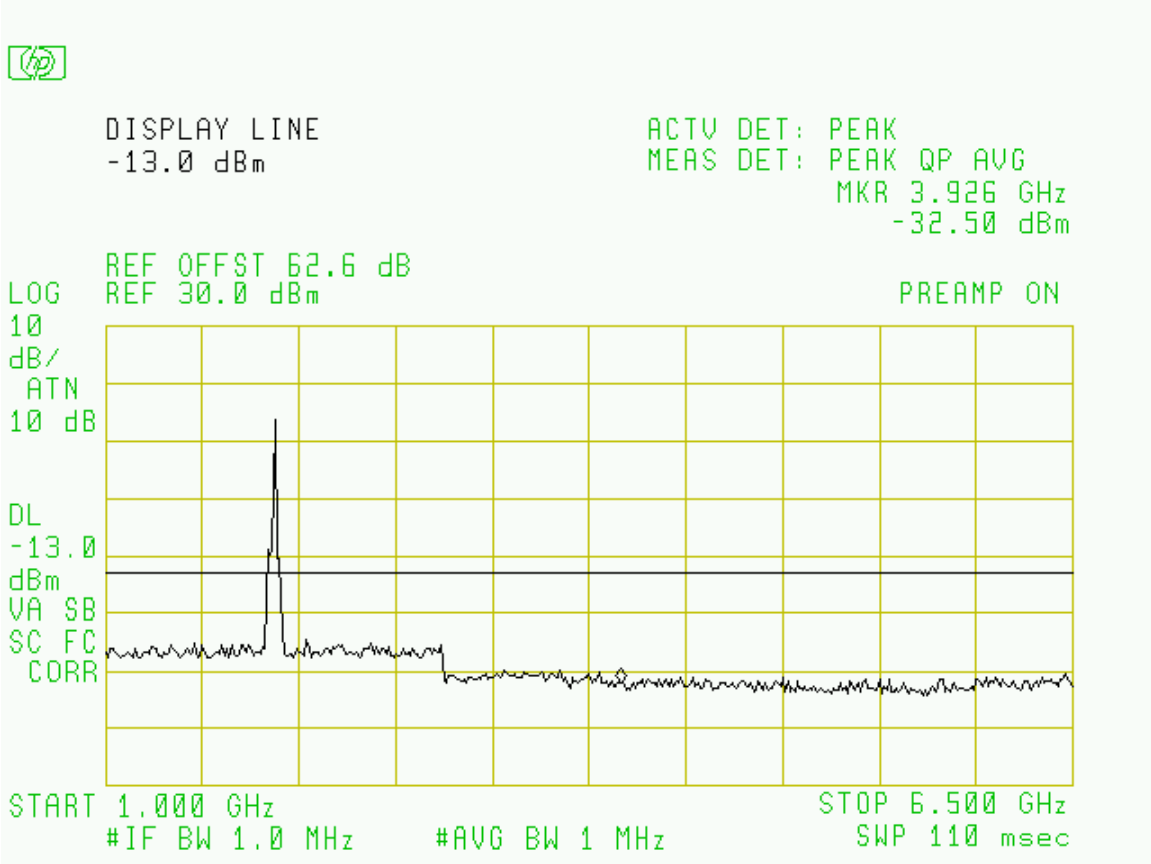
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



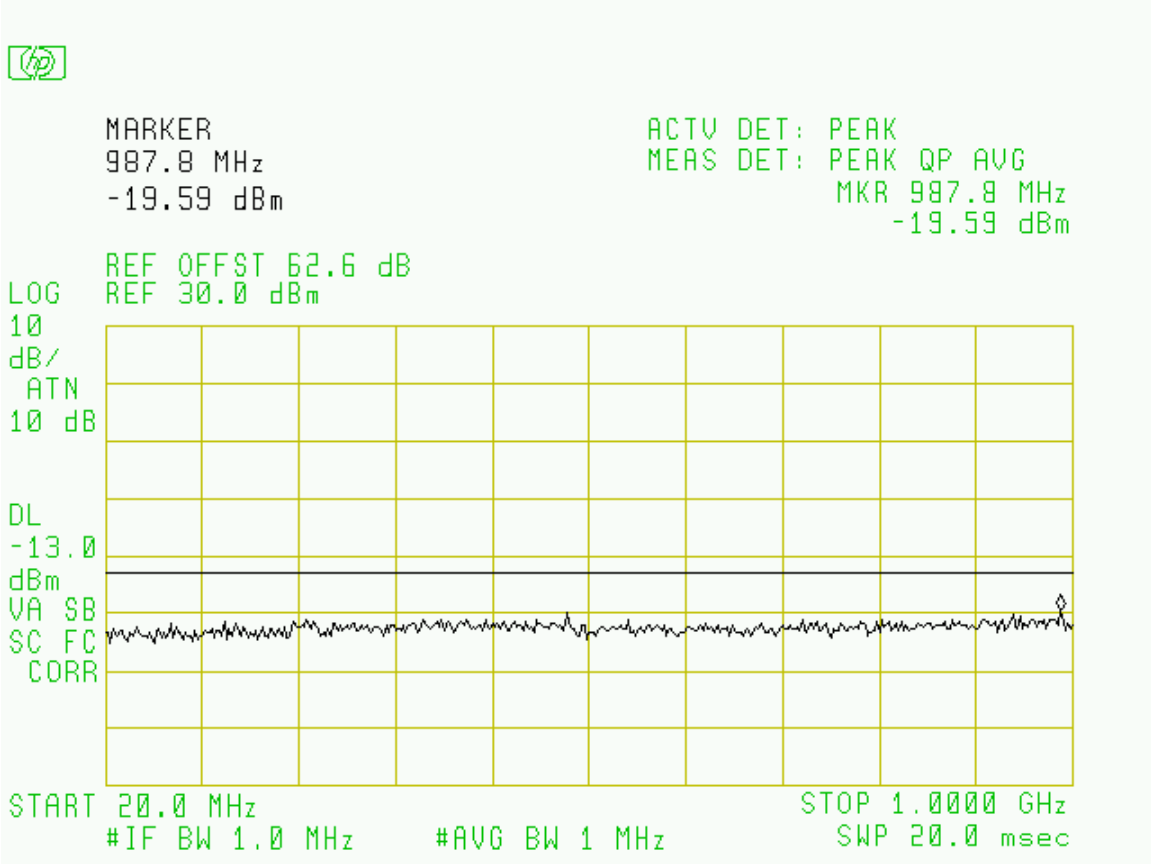
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / GSM Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



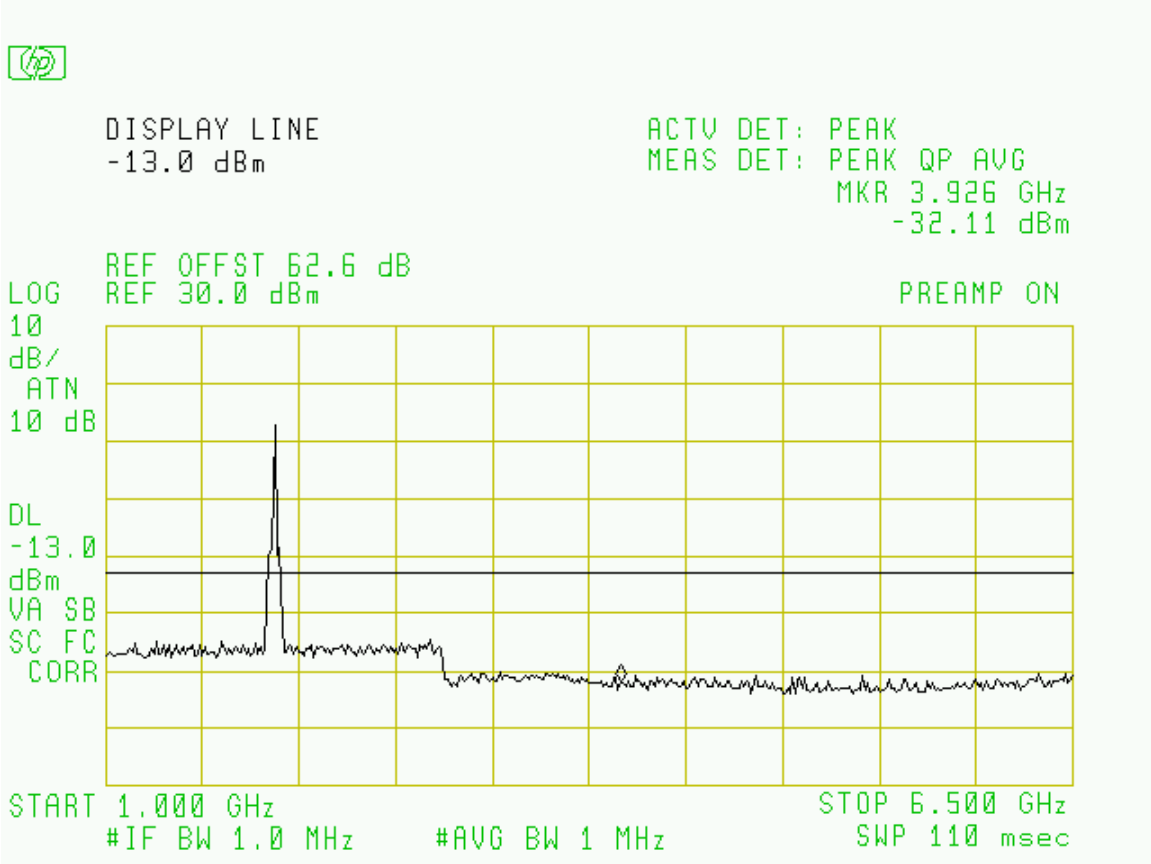
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



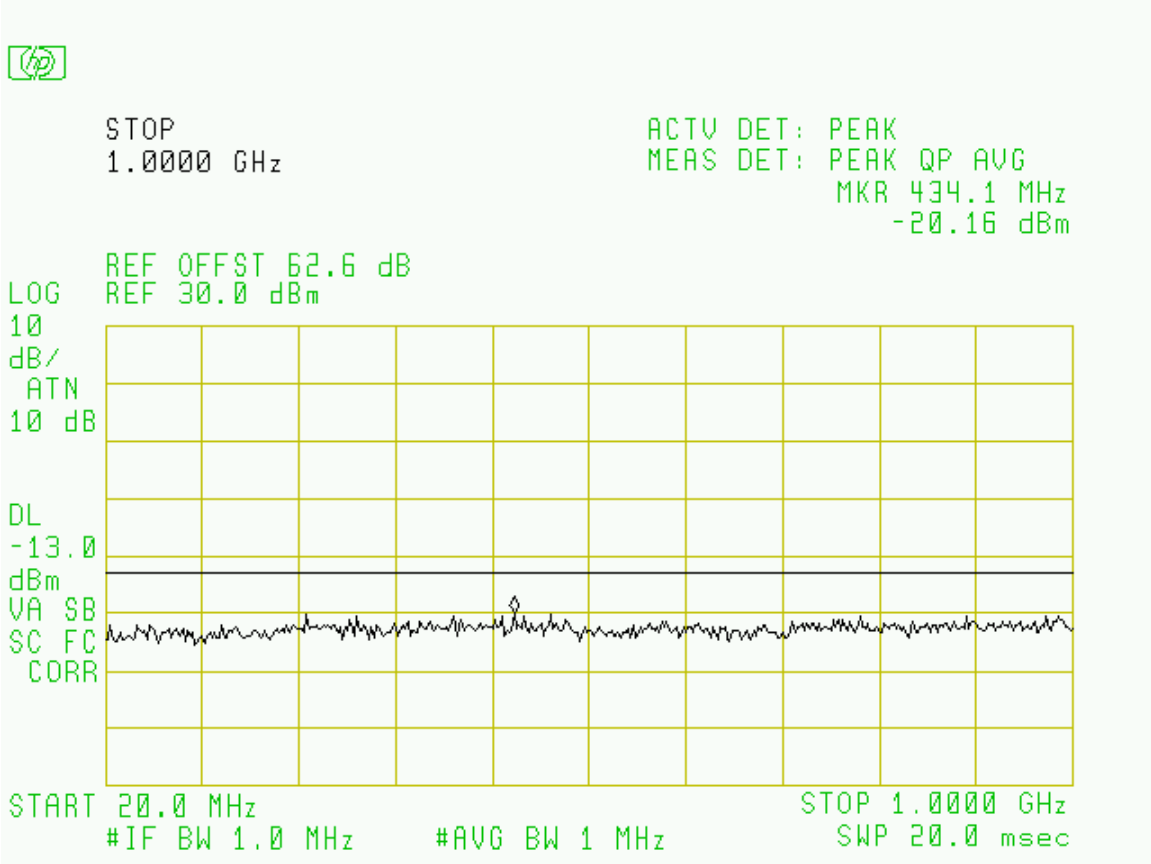
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / EDGE Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



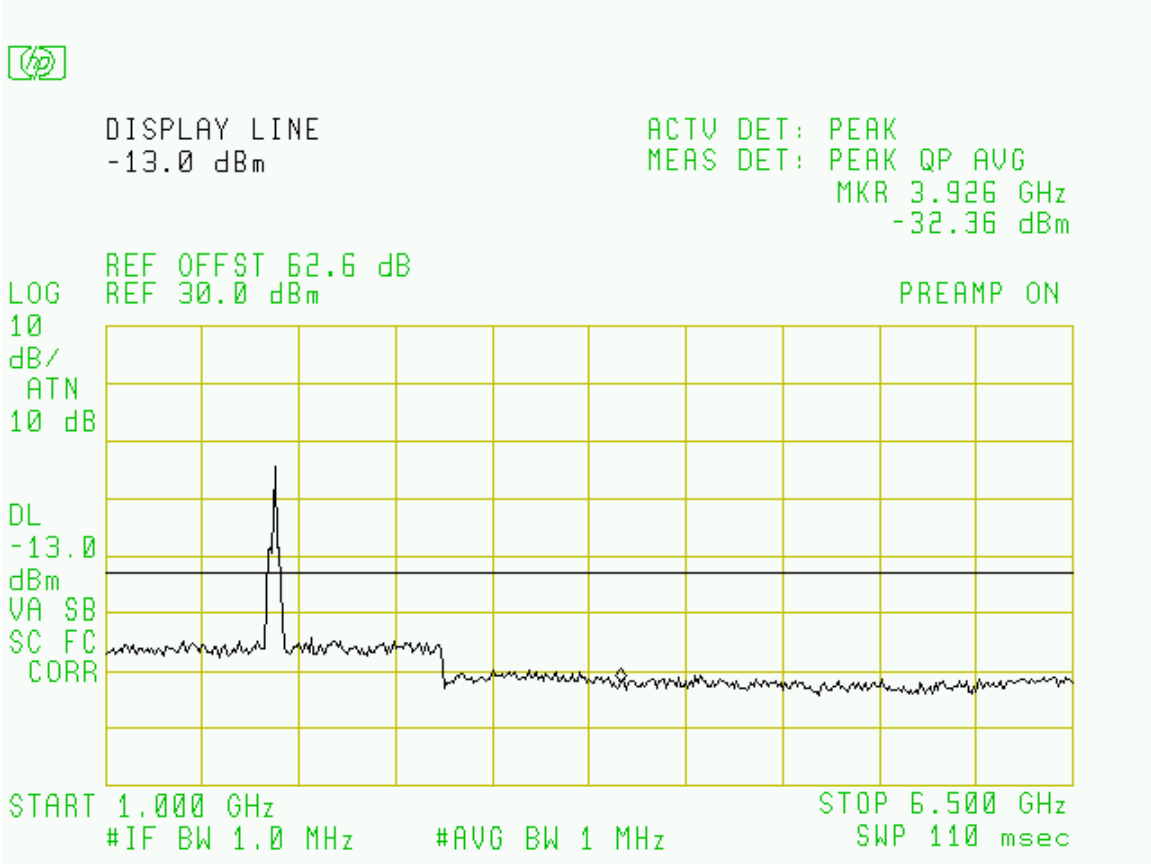
Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Project Number:	0048-061009-01
EUT:	ANDREW OneBase Cell Extender OBE-DB-X
S/N:	P001
Tested By:	Wei Li
Temperature:	70°F
Humidity:	30%

Section:	**1 PA Spurious Emissions at RF Output Port: PCS Bands / TDMA Modulation**
Plot Name:	**Downlink, M-Channel**
Configuration:	Input: SG, Output Port: EUT RF OUTPUT



Section 6. Field Strength of Spurious

Name of Test:	*Field Strength of Spurious*	Test Standard:	*22.917* *24.238*
Tested By:	EDWARD LEE	Test Date:	10/09/2006-12/20/2006

Minimum Standard: Para. No. 22.917(e). The mean power of emissions must be attenuated below the mean power of the unmodulated carrier on any frequency twice or more than twice the fundamental emission by at least 43 + 10 log P. This is equivalent to -13 dBm absolute power. Para. No. 24.238(a). The magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under conditions specified in the instrction manual and/or alignment procedure, shall not less than 43+10 log (mean output power in watts) dBc below the mean power output outside a licensee's frequency block (-13dBm).

Method of Measurement: TIA/EIA-603-1992, Section 2.2.12
The antenna substitution method was used to determine the equivalent radiated power at spurious frequencies. The spurious emissions were measured at a distance of 3 meters. The EUT was then replaced with a reference substitution antenna with a known gain referenced to a dipole. This antenna was fed with a signal at the spurious frequency. The level of the signal was adjusted to repeat the previously measured level. The resulting ERP is the signal level fed to the reference antenna corrected for gain referenced to a dipole.

Per FCC Requirements, the antenna substitution method can be replaced by using following calculation to yield the required limit criteria WHEN the max. level of measured spurious emissions is 30dB below the limit.

Calculation for Required Emission Limit Per 2.1053

With the MCPA RF output level set to 426 watts (56.30 dBm), Radiated Emissions between 10 MHz and 10 GHz(Cellular) or 20GHz (PCS) shall be observed. The "Low, Mid, and High" frequencies shall be used for this test.

The Emission Limits and measuring instrumentation settings established in FCC Part 22.917 shall be followed. Emissions shall be less than 43 + 10 log (P) dBc. Per FCC Part 2.1053(a), "Information submitted shall include the relative radiated power of each spurious emission with reference to the rated power output of the transmitter *(amplifier)*, assuming all emissions are radiated from half-wave dipole antennas." The following relationships yield the required limit criteria.

For a half-wave dipole antenna in free space:

$E = (49.2 * P)^{1/2} / R$ [48.258 V/m]

Where:

E = Field intensity in Volts/meter of carrier
P = transmitted power in Watts (426 W)
R = Distance from antenna to UUT in meters (3 meters)

Conversion of E, Volts/meter to dBuV/m:

$20 \log (E * 10^6)$ [153.67]

Attenuation requirement (Atten): 43 + 10 log P [69.29dBc]

Thus, the required limit:

$E_{lim} = E - Atten$ dBuV/m

For EUT:

E = 153.67 dBuV/m (at 3 meters)
Atten = 69.29 dBc

Then, **E_{lim} = 84.38 dBuV/m**

Note: Emissions less than 64.38 dBuV/m (84.38 - 20 dB) may not be reported.

Test Result: **Complies**

Test Data: See Attached Table(s)

Configuration	CELLULAR w/ RF Output Port Terminated
Band	CELLULAR Downlink
Channel	Low

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
1741.0	H	53.0	1.3	45	84.38	-31.38	-13	-41
2611.5	H	47.0	1.2	350	84.38	-37.38	-13	-47
3482.0*	H	41.0	1.2	0	84.38	-43.38	-13	-53
1741.0	V	48.9	1.3	45	84.38	-35.48	-13	-45.1
2611.5	V	54.4	1.2	0	84.38	-29.98	-13	-39.6
3482.0*	V	43.0	1.2	0	84.38	-41.38	-13	-51
1140.0	H	52.0	1.2	340	84.38	-32.38	-13	-42
1140.0	V	51.4	1.4	250	84.38	-32.98	-13	-42.6

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer
EUT's input.: 2CW signals w/ 600K spacing

H=horizontal and V=vertical
SA Reading: Peak Reading

Configuration	CELLULAR w/ RF Output Port Terminated
Band	CELLULAR Downlink
Channel	Mid

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
1763.0	H	56.4	1.25	45	84.38	-27.98	-13	-37.6
2644.5	H	53.1	1.25	250	84.38	-31.28	-13	-40.9
3526.0*	H	41.5	1.2	10	84.38	-42.88	-13	-52.5
1763.0	V	54.0	1.3	45	84.38	-30.38	-13	-40
2644.5	V	51.2	1.3	0	84.38	-33.18	-13	-42.8
3526.0*	V	43.0	1.2	0	84.38	-41.38	-13	-51
1140.0	H	52.0	1.2	340	84.38	-32.38	-13	-42
1140.0	V	51.4	1.4	250	84.38	-32.98	-13	-42.6

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer

H=horizontal and V=vertical
SA Reading: Peak Reading

Configuration	CELLULAR w/ RF Output Port Terminated
Band	CELLULAR Downlink
Channel	High

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
1785.0	H	53.0	1.2	0	84.38	-31.38	-13	-41
2677.5	H	53.1	1.5	250	84.38	-31.28	-13	-40.9
3570.0*	H	41.2	1.2	0	84.38	-43.18	-13	-52.8
1785.0	H	47.6	1.2	45	84.38	-36.78	-13	-46.4
2677.5	H	52.7	1.3	240	84.38	-31.68	-13	-41.3
3570.0*	H	42.9	1.2	350	84.38	-41.48	-13	-51.1
1140.0	H	52.0	1.2	340	84.38	-32.38	-13	-42
1140.0	V	51.4	1.4	250	84.38	-32.98	-13	-42.6

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer

H=horizontal and V=vertical
SA Reading: Peak Reading

Configuration	PCS w/ RF Output Port Terminated
Band	PCS Downlink
Channel	Low

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
3880	H	49.5	1.2	340	84.38	-34.88	-13	-44.5
5820	H	43.4	1.2	180	84.38	-40.98	-13	-50.6
7760*	H	43.0	1.2	0	84.38	-41.38	-13	-51
3880	V	50.0	1.2	10	84.38	-34.38	-13	-44
5820	V	46.2	1.2	160	84.38	-38.18	-13	-47.8
7760*	V	43.2	1.2	0	84.38	-41.18	-13	-50.8
1140.0	H	52.6	1.2	220	84.38	-31.78	-13	-41.4
1140.0	V	50.9	1.2	180	84.38	-33.48	-13	-43.1

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer
EUT's input.: 2CW signals w/ 600K spacing

H=horizontal and V=vertical
SA Reading: Average Reading

Configuration	PCS w/ RF Output Port Terminated
Band	PCS Downlink
Channel	Mid

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
3920	H	49.0	1.2	120	84.38	-35.38	-13	-45
5880	H	43.5	1.2	160	84.38	-40.88	-13	-50.5
7840*	H	43.2	1.2	0	84.38	-41.18	-13	-50.8
3920	V	52.1	1.2	0	84.38	-32.28	-13	-41.9
5880	V	47.3	1.2	190	84.38	-37.08	-13	-46.7
7840*	V	43.0	1.2	0	84.38	-41.38	-13	-51
1140.0	H	52.6	1.2	220	84.38	-31.78	-13	-41.4
1140.0	V	50.9	1.2	180	84.38	-33.48	-13	-43.1

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer

H=horizontal and V=vertical
SA Reading: Average Reading

Configuration	PCS w/ RF Output Port Terminated
Band	PCS Downlink
Channel	High

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
3960	H	47.8	1.2	30	84.38	-36.58	-13	-46.2
5940	H	45.0	1.2	330	84.38	-39.38	-13	-49
7920*	H	43.0	1.2	0	84.38	-41.38	-13	-51
3960	V	49.3	1.2	170	84.38	-35.08	-13	-44.7
5940	V	46.0	1.2	190	84.38	-38.38	-13	-48
7920*	V	43.2	1.2	0	84.38	-41.18	-13	-50.8
1140.0	H	52.6	1.2	220	84.38	-31.78	-13	-41.4
1140.0	V	50.9	1.2	180	84.38	-33.48	-13	-43.1

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer

H=horizontal and V=vertical
SA Reading: Average Reading

Configuration	**ONE PA** CELLULAR w/ RF Output Port Terminated
Band	CELLULAR Downlink
Channel	Mid

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
1763.0	H	37.8	1.3	40	84.38	-46.58	-13	-56.2
2644.5	H	53.4	1.3	40	84.38	-30.98	-13	-40.6
3526.0	H	41.0	1.3	20	84.38	-43.38	-13	-53
1763.0	V	39.5	1.2	0	84.38	-44.88	-13	-54.5
2644.5	V	55.2	1.2	0	84.38	-29.18	-13	-38.8
3526.0	V	38.3	1.2	0	84.38	-46.08	-13	-55.7

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer

H=horizontal and V=vertical
SA Reading: Average Reading

Configuration	**ONE PA** PCS w/ RF Output Port Terminated
Band	PCS Downlink
Channel	Mid

Freq. (MHz)	H,V	SA Reading (dBuV)	Height (m)	Angle (degree)	Calculated 3m Limit (dBuV)	Margin (dB)	Absolute Limit (dBm)	Margin (dB)
3920	H	52.3	1.3	40	84.38	-32.08	-13	-41.7
5880	H	51.2	1.3	40	84.38	-33.18	-13	-42.8
7840	H	43.0	1.3	40	84.38	-41.38	-13	-51
3920	V	50.0	1.2	20	84.38	-34.38	-13	-44
5880	V	47.5	1.2	20	84.38	-36.88	-13	-46.5
7840	V	42.5	1.2	20	84.38	-41.88	-13	-51.5

NOTE:
*** Measured noise floor**
SA: Spectrum Analyzer

H=horizontal and V=vertical
SA Reading: Average Reading

Section 7. Frequency Stability

Name of Test:	*Frequency Stability*	Test Standard:	*2.1055 22.355&24.235*
Tested By:	WEI LI	Test Date:	06/02-06/14/2005

Minimum Standard: Para. No. 22.355. The transmitter carrier frequency shall remain within the tolerances given in Table C-1.

TABLE C–1.—FREQUENCY TOLERANCE FOR TRANSMITTERS IN THE PUBLIC MOBILE SERVICES

Frequency range (MHz)	Base, fixed (ppm)	Mobile ≤3 watts (ppm)	Mobile <=3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929	5.0	n/a	n/a
929 to 960	1.5	n/a	n/a
2110 to 2220	10.0	n/a	n/a

Para No. 24.235. The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Method of Measurement: Frequency Stability With Voltage Variation:
The E.U.T. is placed in an environmental chamber and allowed to stabilize at +25 degrees Celsius for at least 15 minutes. Set SA resolution bandwidth low enough (30Hz) to obtain the desired frequency resolution. (Using frequency counter method: The frequency counter and signal generator are phase locked with the same 10 MHz reference frequency by connecting the 10 MHz ref. out of the counter to the 10MHz ref, in of the signal generator). With the voltage input to the E.U.T. set to 85% S.T.V., the frequency is measured in 30 second intervals for a period of 5 minutes. This procedure is repeated at 100% S.T.V. and 115% S.T.V.

Frequency Stability With Temperature Variation:
The input voltage to the E.U.T. is set to S.T.V. and the temperature of the environmental chamber is varied in 10 degree steps from -30 degrees C to +50 degrees C. The E.U.T. is allowed to stabilize at each temperature and the frequency is measured in 30 second intervals for a period of 5 minutes.

Test Result: **Complies**

Test Data: See Attached Table(s)

Section 8. Out of Band Rejection

Name of Test:	*Out of Band Rejection*	Test Standard:	
Tested By:	Edward Lee	Test Date:	10/09/2006-12/20/2006

Minimum Standard: The passband gain shall not exceed the nominal gain by more than 1.0 dB. The 20 dB bandwidth shall not exceed the nominal bandwidth that is stated by the manufacturer. Outside of the 20 dB bandwidth, the gain shall not exceed the gain at the 20 dB point.

Method of Measurement: Adjust the internal gain control of the equipment under test to the nominal gain for which equipment certification is sought.
With the aid of a signal generator and spectrum analyzer, measure the 20 dB bandwidth of the amplifier (i.e. at the point where the gain has fallen by 20 dB). Measure the gain-versus-frequency response of the amplifier from the midband frequency f_0 of the passband up to at least $f_0 \pm 250\%$ of the 20 dB bandwidth.

Test Result: **Complies**

Test Data: See Attached Table(s)

PER PRODUCT DESIGN & OPERATION CRETERIA ON SINGAL INPUTS, THIS SYSTEM HAS NO OUT-BAND AMPLIFING ACTVITY.

Not Applicable

Section 9. Test Equipment List

Manufacture	Model	Serial No.	Description	Last Cal dd/mm/yy	Cal Due dd/mm/yy
HP	HP8546A	3448A00290	EMI Receiver	12/01/06	12/01/07
HP	E4432B	US38220355	250K-3GHz Signal Generator	17/09/06	17/09/07
EMCO	3104C	9307-4396	20-300MHz Biconical Antenna	12/02/06	12/02/07
EMCO	3146	9008-2860	200-1000MHz Log-Periodic Antenna	09/02/06	09/02/07
Fischer Custom	LISN-2	900-4-0008	Line Impedance Stabilization Networks	23/08/06	23/08/07
Fischer Custom	LISN-2	900-4-0009	Line Impedance Stabilization Networks	23/08/06	23/08/07
EMCO	6502	2665	10KHz-30MHz Active Loop Antenna	27/02/06	27/02/07
EMCO	3115	4945	Double Ridge Guide Horn Antenna	11/08/06	11/08/07
HP	8569B	2607A02802	1GHz-22GHz Spectrum Analyzer	10/02/06	10/02/07
Advantest	R3271	5003583	100Hz-26.5GHz Spectrum Analyzer	30/04/06	30/04/07
Delta Design	5900C	0-67-26	Temperature Chamber	24/03/06	24/03/07
HP	E8254A	US42110367	Signal Generator	23/03/06	23/03/07
Electro-Metrics	RGA-50	8-95	Double Ridge Guide Horn Antenna	10/02/06	10/02/07
EMCO	3116	4943	Double Ridge Guide Horn Antenna	11/01/06	11/01/07
Scientific-Atlanta	12A-18	441	Wave Guide Horn Antenna	04/08/06	04/08/07
HP	4419A	US37292112	RF Power Meter w/ Sensor Probe	20/07/06	20/07/07
Agilent	E4438C	US41460731	ESG Vector Signal Generator	07/01/05	07/01/07
Agilent	E4438C	US41460771	ESG Vector Signal Generator	07/01/05	07/01/07
Agilent	E4438C	US41460400	ESG Vector Signal Generator	07/01/05	07/01/07
Lorch Microwave	5NF-800/1000-S	AC3	Notch Filter		
RES-NET	RFA500NFF30	0108	30dB in-line Power Attenuator		
Narda	3022	80986	Directional Coupler		
Sorensen	DHP		3-Phase Input DC PS		
General Purpose			0-60V, 50A DC Power Supply		