Application for Certification For an RF amplifier

Janizary Holdings Inc. 5330 Derry Ave, Suite F Agoura Hills, CA 91301

RF amplifier

FCC ID: RFK-LMSWDJH819

REPORT # RV48085A-002

This report was prepared in accordance with the requirements of the FCC Rules and Regulations Part 2, Subpart J, 2.1031 through 2.1057, and Parts 22, 24, and 90 and other applicable sections of the rules as indicated herein.

Prepared By:

Kevin Meyers

DNB Engineering, Inc. 5969 Robinson Avenue Riverside, Ca 92503-8620

20 Jan 2004

TEST LAD PERSONNEL			
Test Performed by:	Date	Signature	
Thomas Elders	20 Jan 2004	Thomas Elders	

TEST LAB PERSONNEL

APPROVALS

Management Approval	Date	Signature		
Les Payne	10 Feb 2004			
Sr. Engineering Manager		Coffayne II		
		(V) officery		

Original report RV48085A-001 Revised report RV48085A-002

Dated 20 Jan 2004 Dated 10 Feb 2004

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Paragraph numbers in this report follow the application section numbers found in the FEDERAL COMMUNICATIONS COMMISSION Rules and Regulations, Part 2, Subpart J for Certification of electronic equipment.

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1.0 ADMINISTRATIVE DATA

1.1 Certifications and Qualifications

I certify that DNB Engineering, Inc conducted the tests performed in order to obtain the technical data presented in this application. Also, based on the results of the enclosed data, I have concluded that the equipment tested meets or exceeds the requirements of the Rules and Regulations governing this application.

1.2 Measurement Repeatability Information

The test data presented in this report has been acquired using the guidelines set forth in FCC Part 2.1031 through 2.1057, and Parts 22, 24, and 90. The test results presented in this document are valid only for the equipment identified herein under the test conditions described. Repeatability of these test results will only be achieved with identical measurement conditions. These conditions include: The same test distance, EUT Height, Measurement Site Characteristics, and the same EUT System Components. The system must have the same Interconnecting Cables arranged in identical placement to that in the test set-up, with the system and/or EUT functioning in the identical mode of operation (i.e. software and so on) as on the date of the test. Any deviation from the test conditions and the environment on the date of the test may result in measurement repeatability difficulties.

All changes made to the EUT during the course of testing as identified in this test report must be incorporated into the EUT or identical models to ensure compliance with the FCC regulations.

Coffayne D

C. L. Payne III (Para. 1.1) Manager, Commercial Products. DNB Engineering, Inc. Tel. (909) 637-2630 Fax (909) 637-2704 E-mail Les@dnbenginc.com

1.3 Test Methodology

The tests were performed in accordance with FCC Part 2 Subpart J, 2.1031 through 2.1057, 15, and 22, 24, and 90 on a sample of the production model.

1.4 Test Equipment

FIGURE 1: TI	EST EQUIPMENT				
Description	Manufacturer	M/N	S/N	Cal Date	Test Used On
Signal Generator	Agilent	E4432B	GB40051213	09/24/04	RF Power Out put, Emissions Lim, Cond Spur, Rad Spur, CE
Signal Generator	Marconi	2024	112231/034	02/02/04	RF Power Out put, Emissions Lim, Cond Spur, Rad Spur, CE
Spectrum Analyzer Display	H/P	85662A	259101-1	01/10/05	RF Power Out put, Emissions Lim, Cond Spur, Rad Spur, CE
Spectrum Analyzer	H/P	8566B	259101-2	01/10/05	RF Power Out put, Emissions Lim, Cond Spur, Rad Spur, CE
Spec Analyzer Display	H/P	85662A	2318A05282	8/14/04	RE
Spectrum Analyzer	H/P	85680B	2049A01403	6/2/04	RE
Quasi-Peak Adapter	H/P	85650A	2043A00184	6/2/04	RE
Bicon Antenna	H/P	85650A	2043A00184	6/2/04	RE
Logarithmic Antenna	AH Systems	SAS-200/540	524	12/26/04	RE
DRG Antenna	ЕМСО	3146	1284	1/2/04	RE

1.5 DEVIATIONS

Deviations/Modifications to the EUT None.

Deviations/Modifications from test standard. None 1.6 TEST DESCRIPTION

RF Power	Output
	RF Power

For RF amplifier.

1.6.2 Emissions Limitation and Occupied Bandwidth

Occupied Bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are equal to 0.5 percent of the total mean power radiated by a given emission.

1.6.3 Conducted Spurious Emissions at Antenna Terminals

Conducted Spurious Emissions are emissions at the antenna terminals on a frequency or frequencies which are outside an occupied band sufficient to ensure transmission of information of required quality for the class of communication desired. The reduction in the level of these spurious emissions will not affect the quality of the information being transmitted.

1.6.4 Radiated Field Strength of Spurious Emissions

Emissions from the equipment when connected into a non-radiating load on a frequency or frequencies which are outside an occupied band sufficient to ensure transmission of information of required quality for the class of communication desired. The reduction in the level of these spurious emissions will not affect the quality of the information being transmitted.

1.6.5 Conducted Emissions

Emissions which are conducted onto the AC power mains.

1.6.6Radiated Emissions

Emissions which emanate from the EUT.

Name of Applicant:	Janizary Holdings Inc. 5330 Derry Ave, Suite F Agoura Hills, CA 91301		
FRN:	0009486226		
Applicant is: X	Manufacturer Vendor Licensee Prospective Licensee Other		
Name of Manufacturer	Janizary Holdings Inc.		
Description:	RF amplifier		
Part Number:	CA-819		
Anticipated Production Quantity:	Multiple Units		
Applicable FCC Parts:	22, 24, and 90		
FCC ID No:	Customer to provide		
FCC Emissions Designator:	22HF8W22HF1D22.901(d)DXW22.901(d)F9W24EF8W24EF1D24EF1D24EDXW24EF9W		
Frequency Range:	Uplink824-849MHzUplink1850-1910MHzDownlink869-894MHzDownlink1930-1990MHz		
Rated Output Power:	0.5W (27dBm)		

2.1033 (C) (1) Application for Certification

2.1033 (C) (2) **FCC Identifier** FCC ID: **RFK-LMSWDJH819** 2.1033 (C) (4) Type of Emission 824.0 - 849.0 MHz 22H F8W 824.0 - 849.0 MHz 22H F1D 824.0 - 849.0 MHz 22.901(d) DXW 824.0 - 849.0 MHz 22.901(d) F9W 1850.0 - 1910.0 MHz 24E F8W 1850.0 - 1910.0 MHz 24E F1D 1850.0 - 1910.0 MHz 24E DXW 1850.0 - 1910.0 MHz 24E F9W 2.1033 (C) (5) **Frequency Range** Uplink 824.0 - 849.0 MHz Downlink 869.0 - 894.0 MHz Uplink 1850.0 - 1910.0 MHz Downlink 1930.0 - 1990.0 MHz 2.1033 (C) (6) **Operating Power** Uplink 824.0 - 849.0 MHz 0.5W (+27dBm) Downlink 869.0 – 894.0 MHz 0.002W (+3dBm)Uplink 1850.0 - 1910.0 MHz 0.5W (+27dBm) Downlink 1930.0 - 1990.0 MHz 0.002W (+ 3 dBm)2.1033 (C) (7) Maximum Power Allowed in Applicable Part(s) of the Rules **RULES PART** MAXIMUM POWER (WATTS) 7 Part 22 Part 24 2 Part 90 5 2.1033 (C) (8) **Input Power Characteristics** 10 - 60 mW Maximum 2.1033 (C) (9) **Tune Up Procedure**

Customer will provide.

2.1033 (C) (10) Schematic Diagram and Circuit Description

Customer will provide.

2.1033 (C) (11) Equipment Identification Plate

Customer will provide.

2.1033 (C) (12) Equipment Photographs - Internal

Customer will provide.

2.1033 (C) (12) Equipment Photographs - External

Customer will provide.

2.1033 (C) (13) Digital Modulation Techniques

AMPS / CDMA / TDMA /GSM

2.1033 (c) (14) Test Data

See 2.1046-2.1053 and Radiated Emissions

FIGURE 2:	TEST	RESULT	SUMM	MARY

NAME OF TEST	FCC PARA. NO.	RESULTS
RF Power Output	2.1046	Complies
Emissions	2.1049	Complies
Limitations: TDMA		
Emissions	2.1049	Complies
Limitations: GSM		
Occupied Bandwidth:	2.1049	Complies
TDMA/GSM		
Conducted Spurious	2.1051	Complies
Emissions at Antenna		
Terminals		
Radiated Field	2.1053	Complies
Strength of Spurious		
Emissions		
Radiated Emissions	15 Class B	Complies

2.1033 (c) (14) Photograph of Test Set Up



2.1033 (c) (14)

FIGURE 3: TEST SET UP BLOCK DIAGRAM FOR RF POWER OUTPUT, EMISSIONS LIMITATIONS GSM/TDMA, OCCUPIED BANDWIDTH GSM/TDMA, CONDUCTED SPURIOUS EMISSIONS AT ANTENNA TERMINALS.

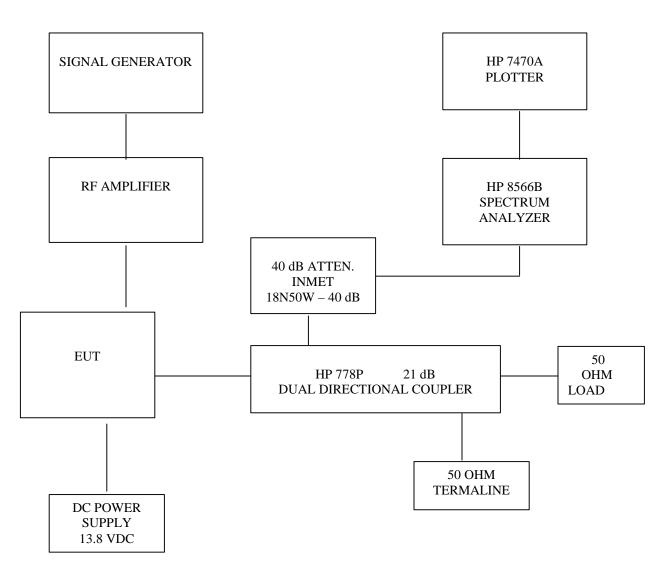
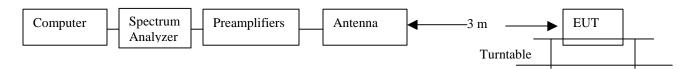


FIGURE 4: TEST SET UP BLOCK DIAGRAM FOR RADIATED EMISSIONS



2.1046 Measurement of RF Power Output

Definition: For RF amplifier

<u>Test Method:</u> See FIGURE 1.

Output Power is measured across a precision 50 ohm load with a Spectrum Analyzer. For the power measurement, CW (no modulation) is used. CW signal provided maximum emissions signature for all modulation types.

Test Results:

POWER OUTPUT MEASURED AT NOMINAL VOLTAGE WAS:

Frequency (MHz)	Power (dBm)	Power (W)
824 826	24.8dBm	.302W
836 849	27.2dBm 23.1dBm	.525W .204W
1850	24.0dBm	.251W
1880 1910	21.5dBm 17.7dBm	.141W .060W
1710	17.7 uD III	.000 **

<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Output 1	Power
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		 [X] FCC Part 22 [X] FCC Part 24
			[X] FCC Part 24 [X] FCC Part 90
	Uplink 824MHz		

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<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Output P	ower
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22
			[X] FCC Part 24 [X] FCC Part 90
	Uplink 836MHz		

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<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Output	Power			
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance			
Customer:	Janizary Holdings Inc		Standard s			
Model Number:	CA-819	Serial Number:	[X] FCC Part 15 [X] FCC Part 22			
Description:	RF amplifier	RF amplifier				
			[X] FCC Part 24 [X] FCC Part 90			
	Uplink 849MHz					

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<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Output P	Power
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
			[X] FCC Part 24 [X] FCC Part 90
	Uplink 1850MHz		

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NB	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Output	Power			
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance			
Customer:	Janizary Holdings Inc		Standard s			
Model Number:	CA-819	Serial Number:	[X] FCC Part 15 [X] FCC Part 22			
Description:	RF amplifier	RF amplifier				
			[X] FCC Part 24 [X] FCC Part 90			
	Uplink 1880MHz					

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<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Output P	Power
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standards
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
			[X] FCC Part 24 [X] FCC Part 90
	Uplink 1910MHz		

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5969 Robinson Avenue Riverside, CA 92503 **Output Power** (909) 637-2630 FAX (909) 637-2704

FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

RV48085A	Conformance				
Janizary Holdings Inc	Janizary Holdings Inc				
CA-819	[X] FCC Part 15				
RF amplifier		[X] FCC Part 22 [X] FCC Part 24			
		[X] FCC Part 90			
Downlink – 869MHz					
2 dBm ATTEN 10 dB		869.000 MHz -4.00 dBm			
	3	*			
	Janizary Holdings Inc CA-819 RF amplifier Downlink – 869MHz	Janizary Holdings Inc CA-819 Serial Number: RF amplifier Downlink – 869MHz Z dBm ATTEN 1Ø dB			

CENTER 869.00 MHz VBW 1 MHz RES BW 1 MHz

SPAN 1.00 MHz SWP 20.0 msec

20

5969 Robinson Avenue Riverside, CA 92503 **Output Power** (909) 637-2630 FAX (909) 637-2704 RV48085A 9 Feb 2004 DNB Job Number: Date: Conformance Standards [X] FCC Part 15 [X] FCC Part 22 [X] FCC Part 24 Janizary Holdings Inc Customer: Model Number: Serial Number: CA-819 Description: RF amplifier [X] FCC Part 90 Downlink - 881.5MHz

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<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Output	Power
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standards
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
			[X] FCC Part 24 [X] FCC Part 90
	Downlink – 894MHz		

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5969 Robinson Avenue Riverside, CA 92503 **Output Power** (909) 637-2630 FAX (909) 637-2704 RV48085A 9 Feb 2004 DNB Job Number: Date: Conformance **Standard**s [X] FCC Part 15 Janizary Holdings Inc Customer: Serial Number: Model Number: CA-819 [X] FCC Part 22 Description: RF amplifier [X] FCC Part 24

FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	Downlin	k – 1930MHz		[X] FCC Part 90
hp REF	15.0 dBm	ATTEN 10 dB		930 001 GHz -4.10 dBm
1Ø dB/				*
OFFSET				
CENTER 1.9	3Ø ØØ GHz		SP	AN 1.00 MHz

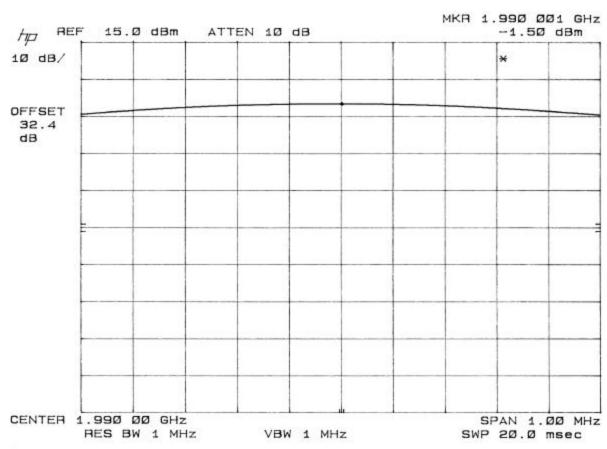
- 2

5969 Robinson Avenue Riverside, CA 92503 **Output Power** (909) 637-2630 FAX (909) 637-2704 DNB Job Number: RV48085A 9 Feb 2004 Date: Conformance **Standard**s Customer: Janizary Holdings Inc [X] FCC Part 15 Model Number: CA-819 Serial Number: [X] FCC Part 22 Description: RF amplifier [X] FCC Part 24 [X] FCC Part 90 Downlink – 1960MHz

MKR 1.960 001 GHz REF 15.Ø dBm ATTEN 1Ø dB -2.20 dBm hp 1Ø dB/ × OFFSET 32.4 dB CENTER 1.960 00 GHz SPAN 1.00 MHz RES BW 1 MHz VBW 1 MHz SWP 20.0 msec

<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Outpu	t Power
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22
			[X] FCC Part 24 [X] FCC Part 90
	Downlink – 1990MHz		

FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.



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2.1049 Measurement of Occupied Bandwidth

Definition:

Occupied Bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are equal to 0.5 percent of the total mean power radiated by a given emission.

<u>Test Method:</u> Connect the Equipment per FIGURE 1. Measurements were made while the driving source generated the following:

> CW signal TDMA Signal GSM Signal CDMA Signal

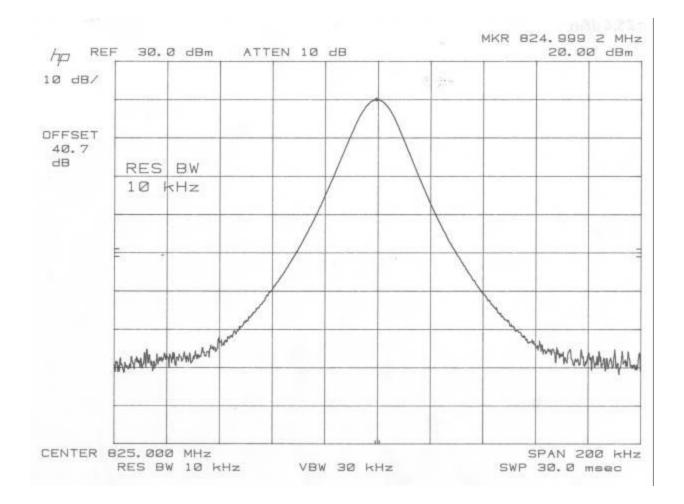
Test Results: See Plots

The center frequency of the signal did not shift with modulation. The Spectrum Bandwidth was well within the limits specified in the FCC Regulations.

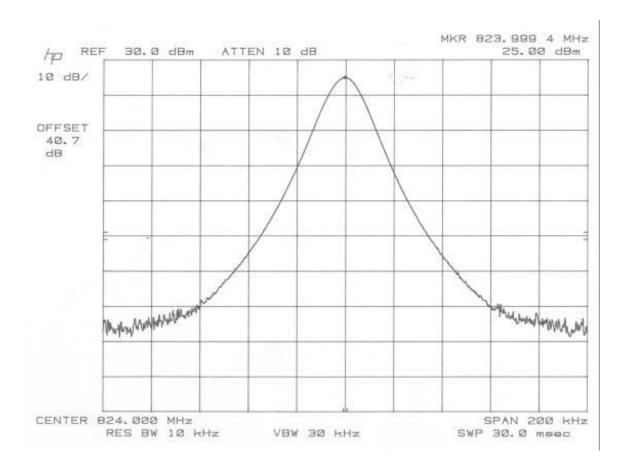
Inter-modulation test are required for the downlink only as this device is a single use channel device and is to be dedicated to one phone, therefore only one channel uplink can be active at any given time.

Modulation characteristic plots are shown in this section.

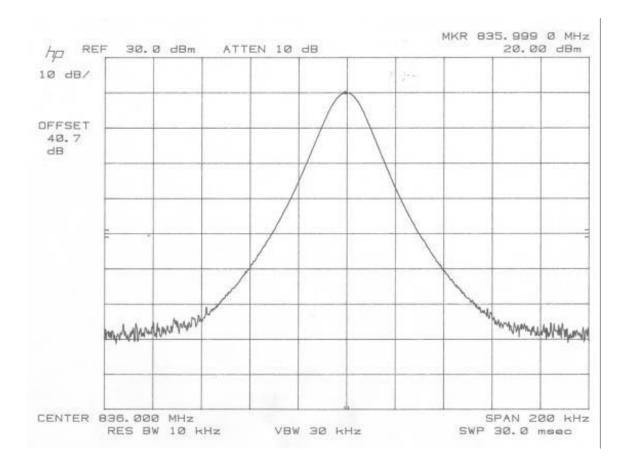
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied 1	Bandwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 24 [X] FCC Part 90	
	Signal Source - CW – Input – 8251		



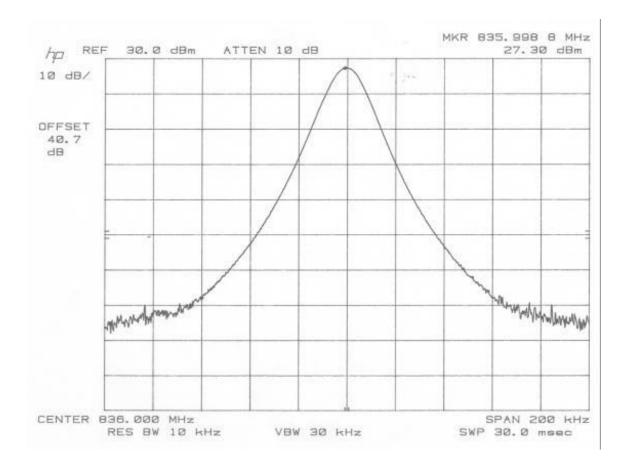
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		 [X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 90	
	Signal Source - CW - Output - 825M		



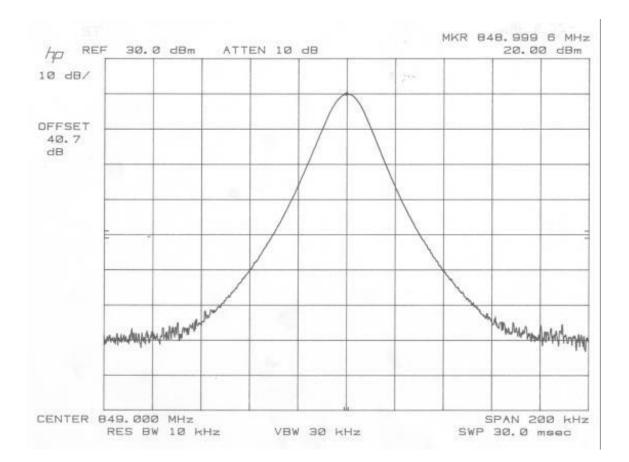
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied B	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 24 [X] FCC Part 90	
	Signal Source – CW – Input – 836MH		



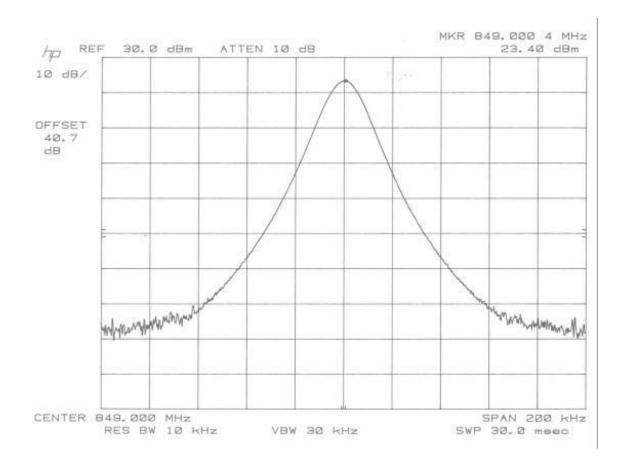
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 24 [X] FCC Part 90	
	Signal Source - CW - Output - 836N		



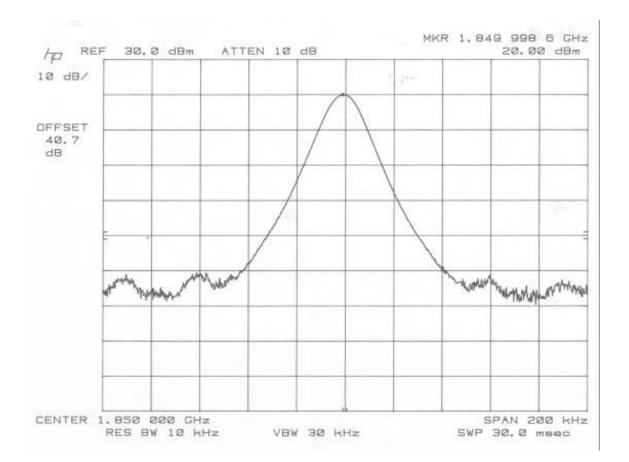
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied B	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 24 [X] FCC Part 90	
	Signal Source – CW – Input – 849Ml		



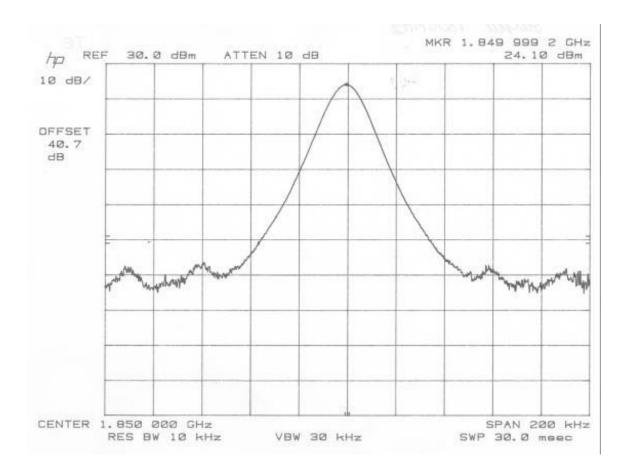
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 24 [X] FCC Part 90	
	Signal Source - CW - Output - 849N		



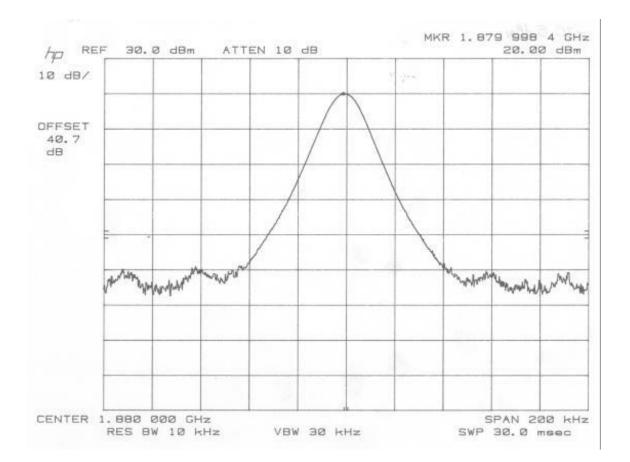
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - CW - Input - 1850M		



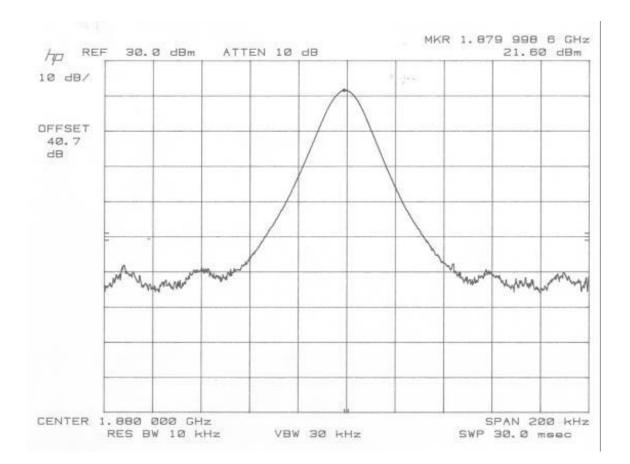
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		 [X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source – CW – Output – 1850		



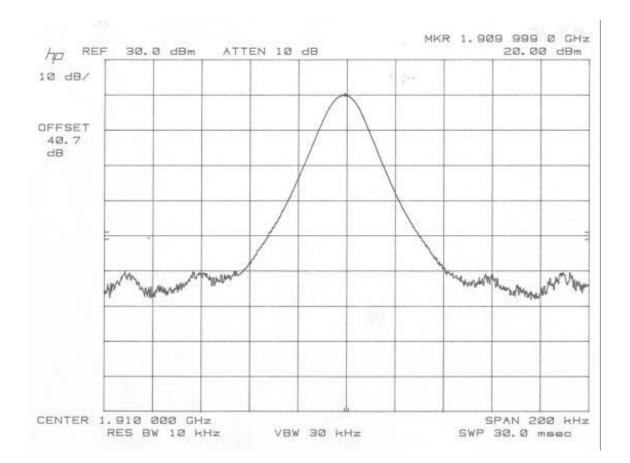
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 24 [X] FCC Part 90	
	Signal Source - CW - Input - 1880M		



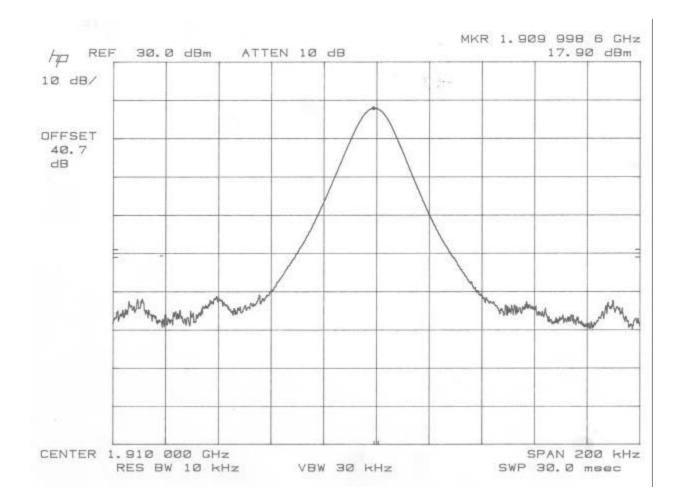
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied B	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink	[X] FCC Part 24 [X] FCC Part 90	
	Signal Source - CW – Output – 1880		



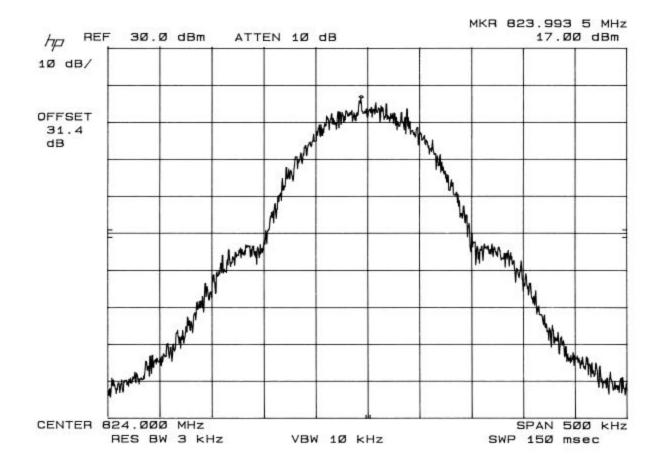
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier	·	[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - CW – Input – 1910M		



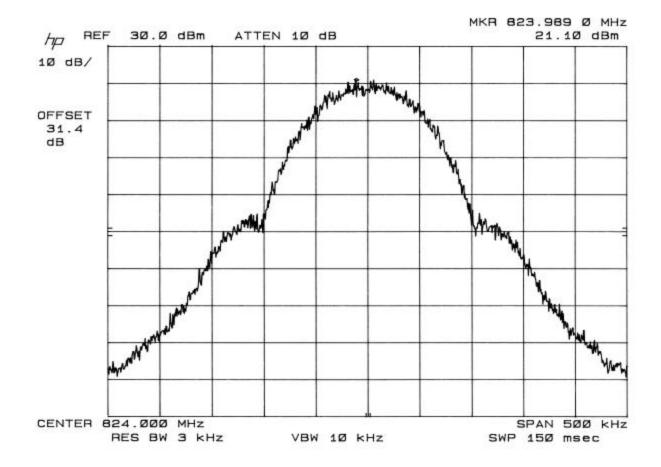
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied	Bandwidth
DNB Job Number:	RV48085A	Date: Jan 2004	Conformance
Customer:	Janizary Holdings Inc		Standards
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - CW – Output – 1		



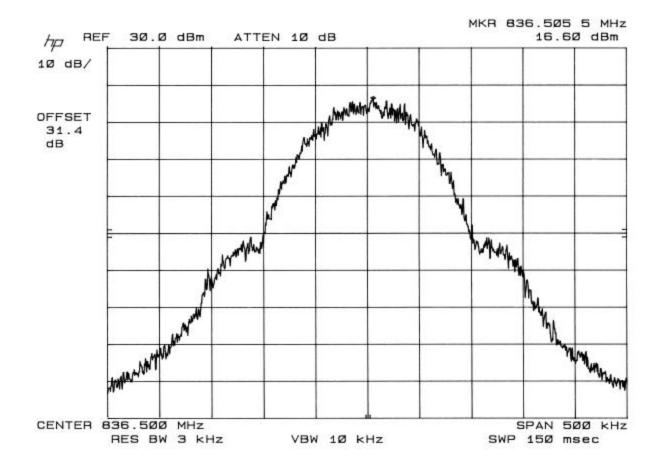
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 824M	ſHz	



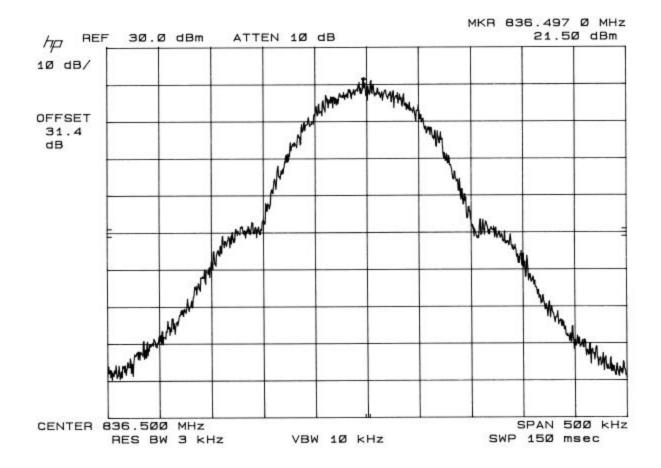
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standards
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 824		



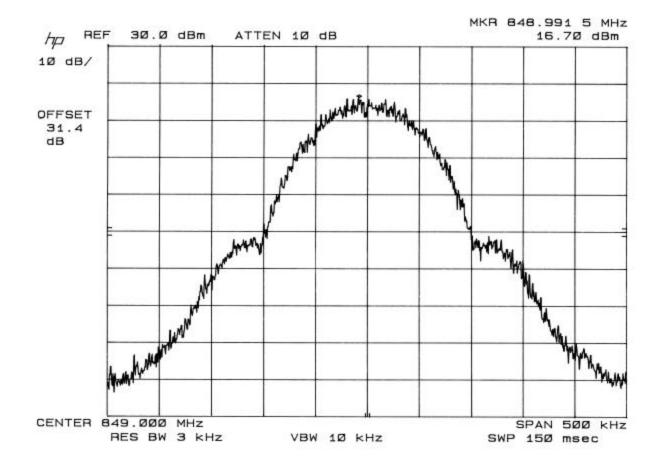
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied I	Bandwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 836M	ſHz	



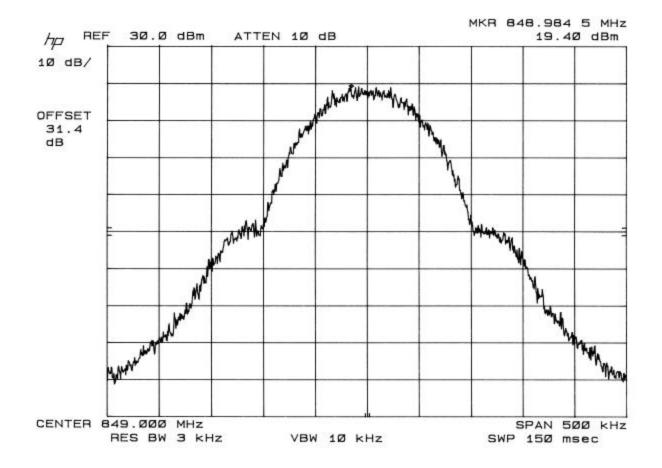
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied B	andwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 836	MHz	



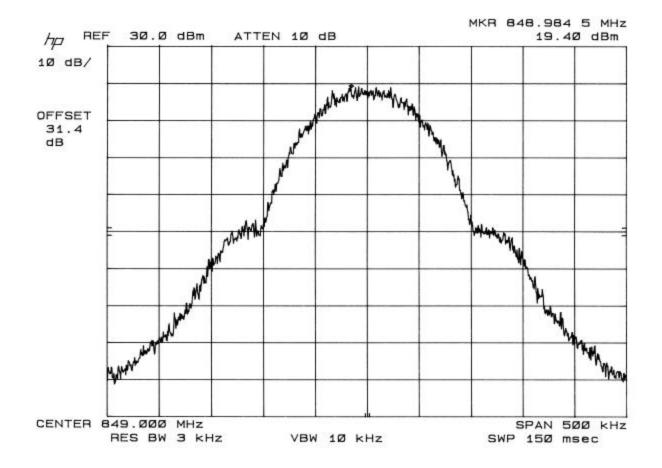
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 849M	ſHz	



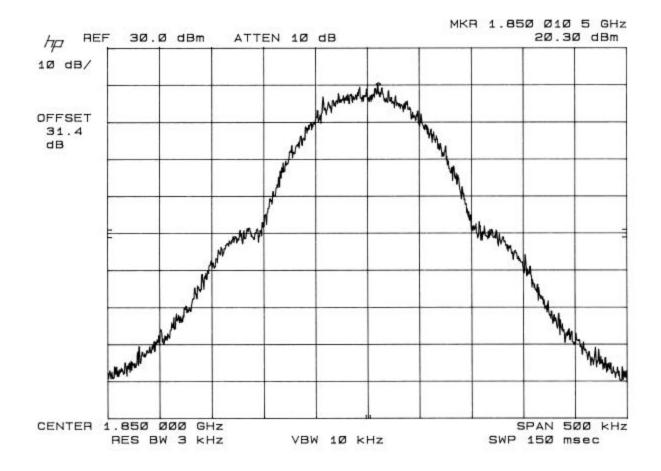
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied	Bandwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 849	MHz	



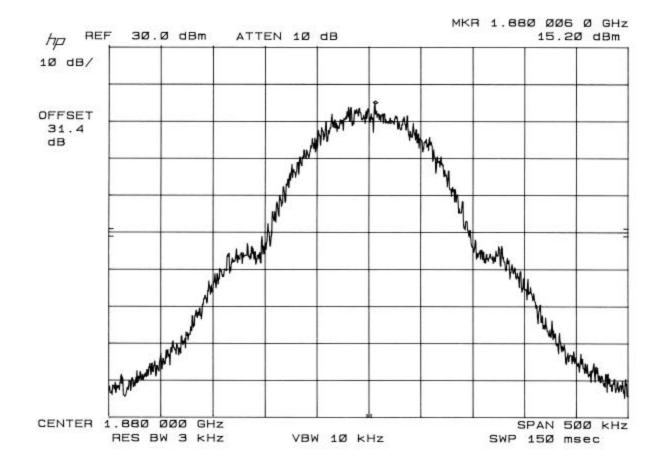
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occu	pied Ba	ndwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2	2004	Conformance
Customer:	Janizary Holdings Inc			Standard s
Model Number:	CA-819	Serial Number:		[X] FCC Part 15
Description:	RF amplifier			[X] FCC Part 22 [X] FCC Part 24
	Uplink			[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM - Input - 1850	MHz		



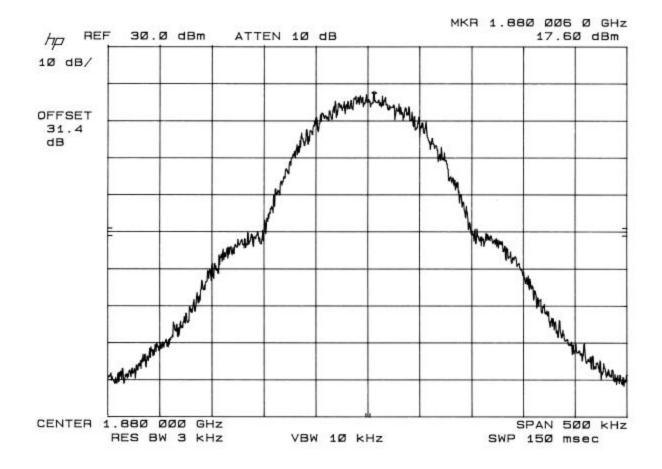
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Oce	cupied Ba	ndwidth
DNB Job Number:	RV48085A	Date: 9 Fe	b 2004	Conformance
Customer:	Janizary Holdings Inc			Standard s
Model Number:	CA-819	Serial Numbe	er:	[X] FCC Part 15
Description:	RF amplifier			[X] FCC Part 22 [X] FCC Part 24
	Uplink			[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 185	0MHz		



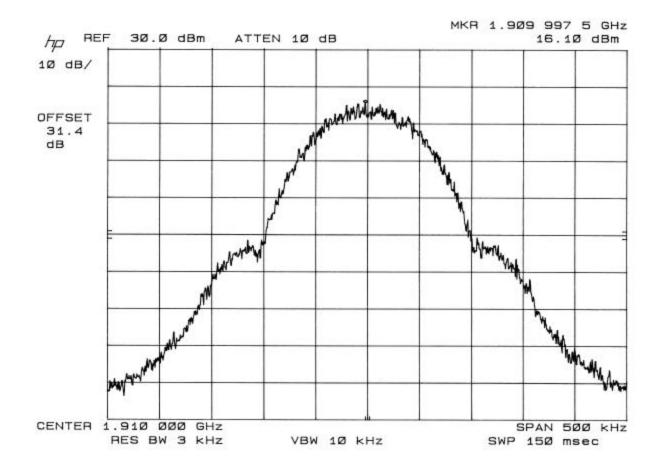
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standards
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 1880		



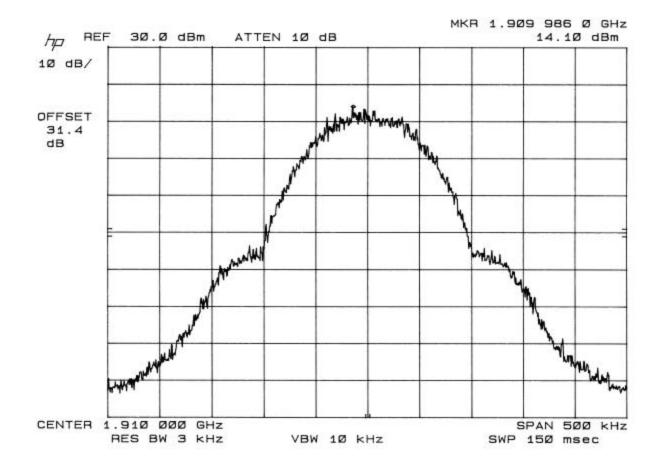
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standards
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 188		



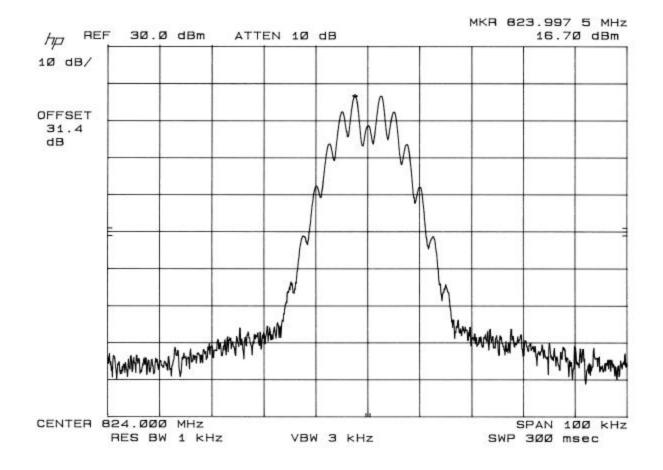
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied	Bandwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 1910	MHz	



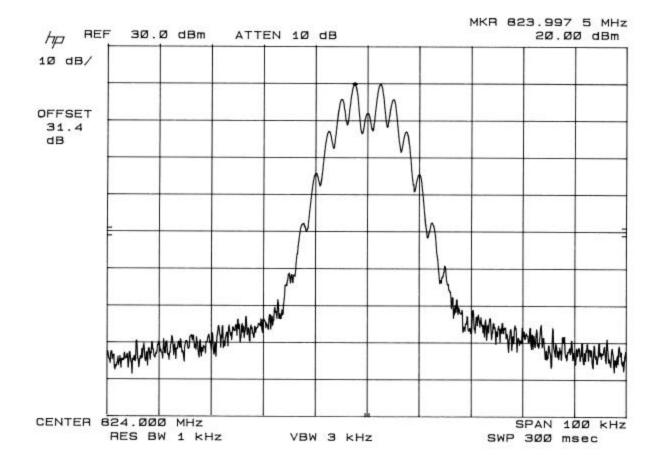
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 9 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standards
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		 [X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 191	0MHz	



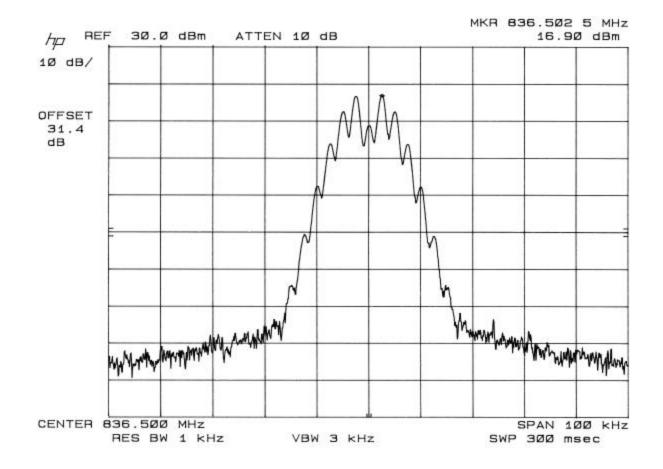
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA - Input - 824	MHz	



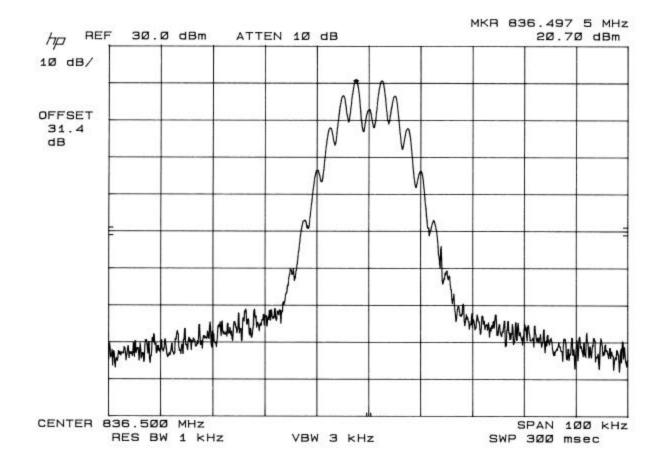
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA – Output – 82	24MHz	



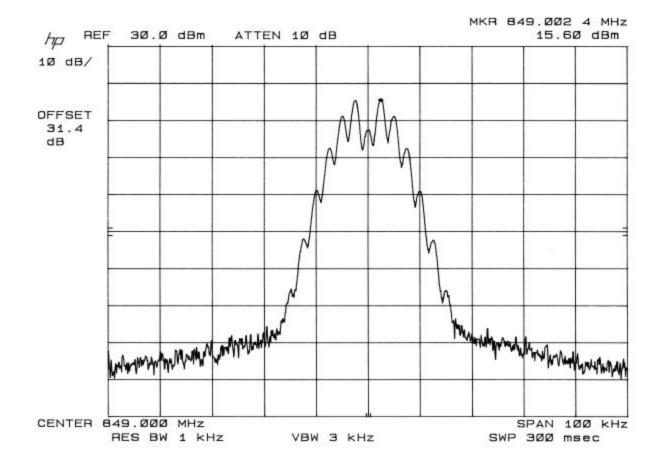
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied I	Bandwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA – Input – 836	бMHz	



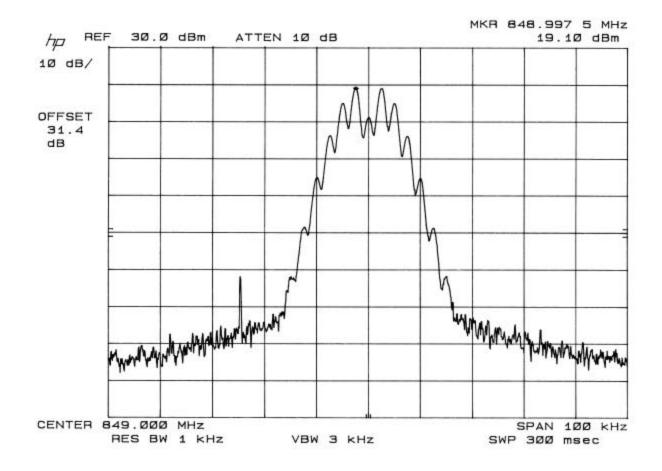
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA – Output – 83	36MHz	



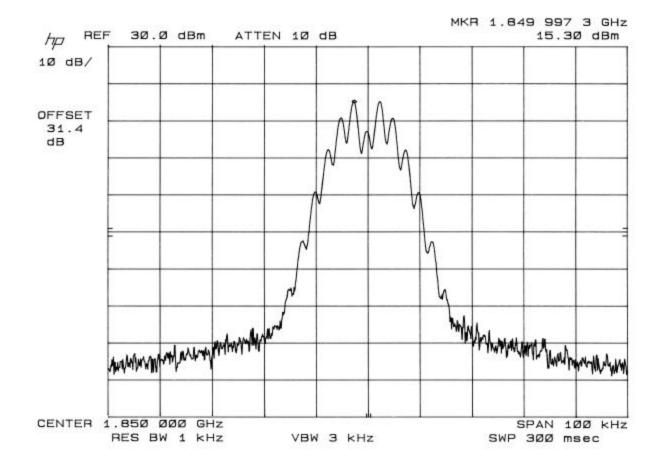
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA - Input - 849	MHz	



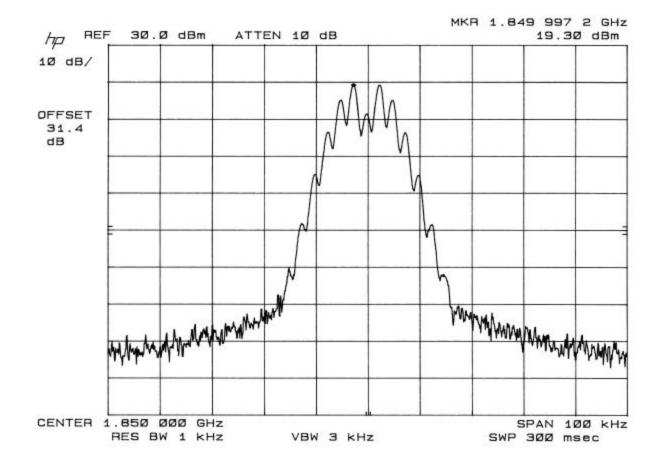
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier	·	[X] FCC Part 22
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA – Output – 84	49MHz	



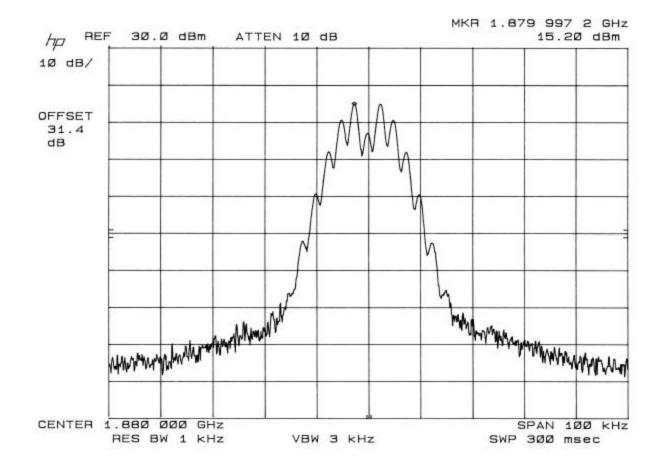
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22
	Uplink		- [X] FCC Part 24 - [X] FCC Part 90
	Signal Source - TDMA - Input - 185	OMHz	



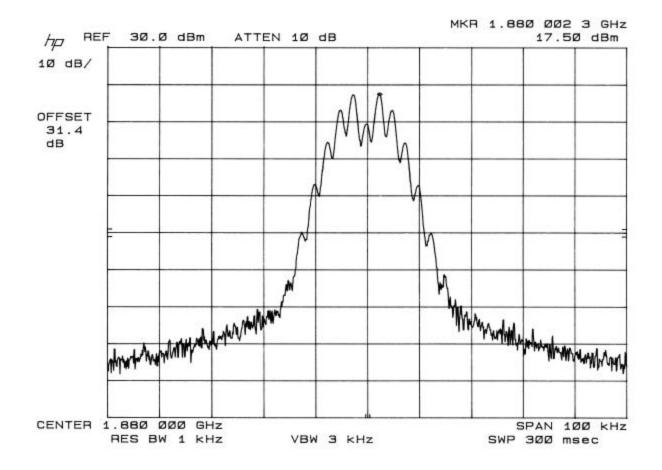
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA – Output – 18	350MHz	



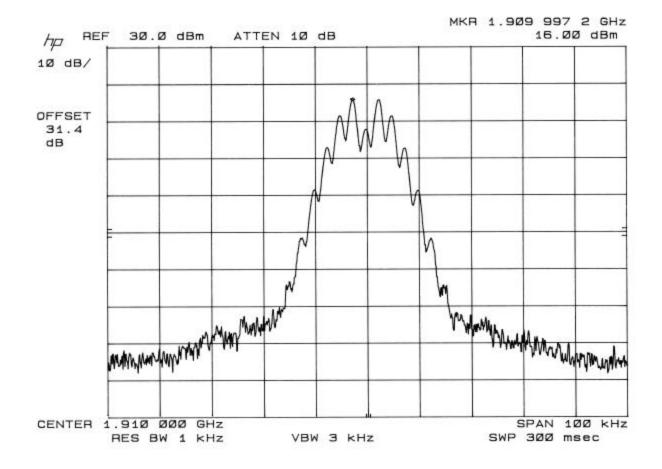
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier	·	[X] FCC Part 22
	Uplink		- [X] FCC Part 24 - [X] FCC Part 90
	Signal Source - TDMA – Input – 188	80MHz	



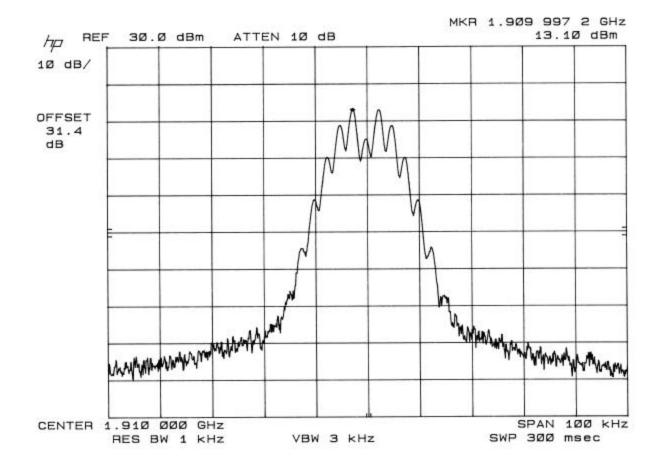
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24
	Signal Source - TDMA – Output – 1	880MHz	



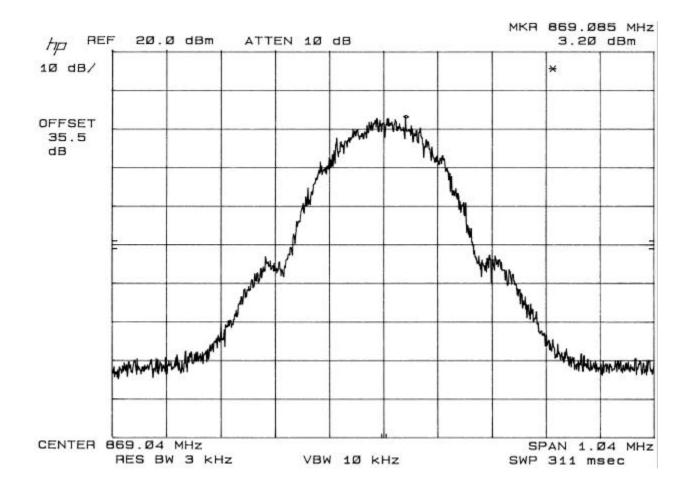
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied	Bandwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA – Input – 191	0MHz	



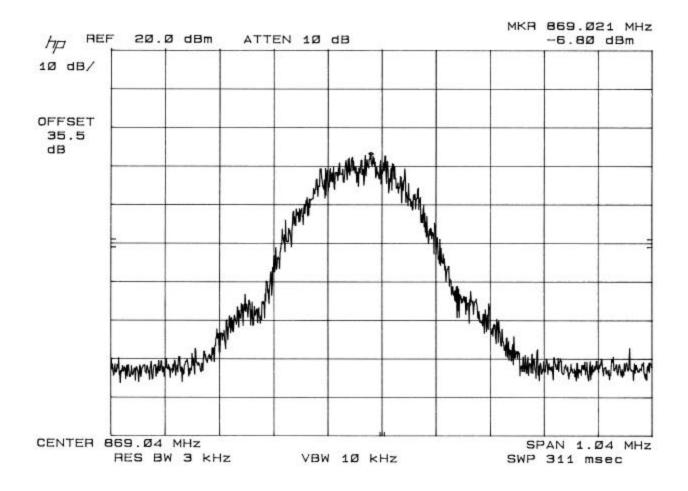
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Uplink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - TDMA – Output – 19	910MHz	



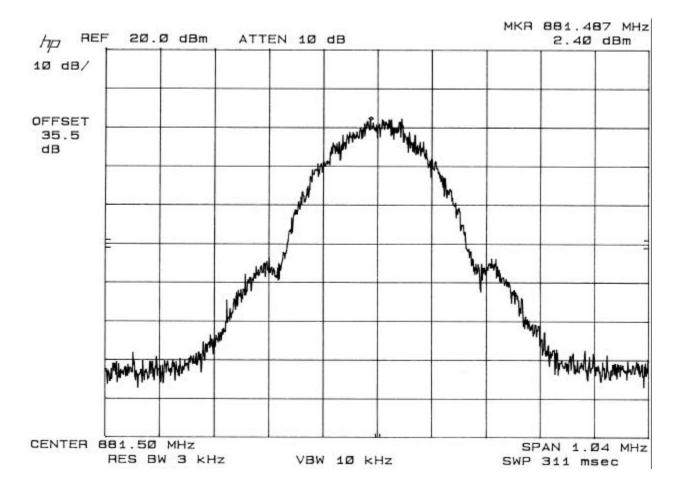
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied B	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 869M	IHz	



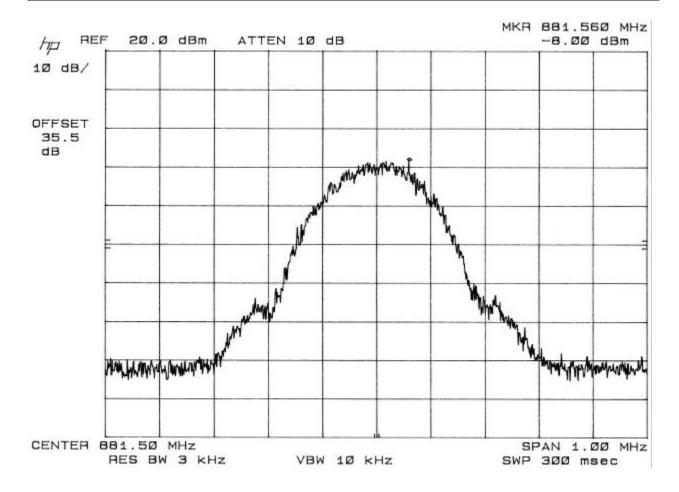
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied E	Bandwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22
	Downlink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 869	MHz	



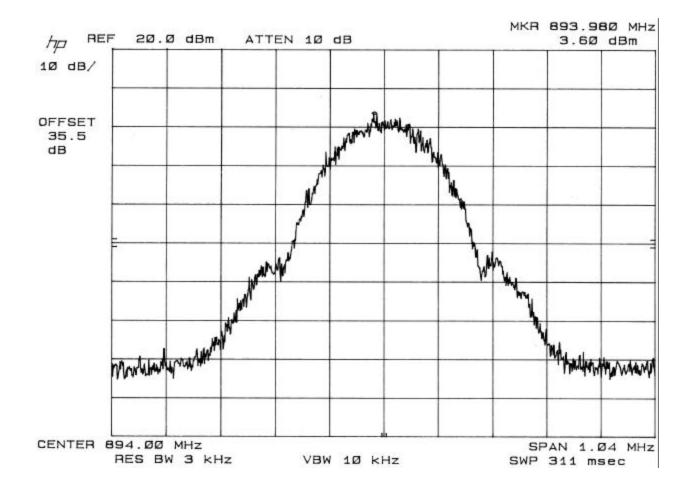
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupie	d Bandwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 88		



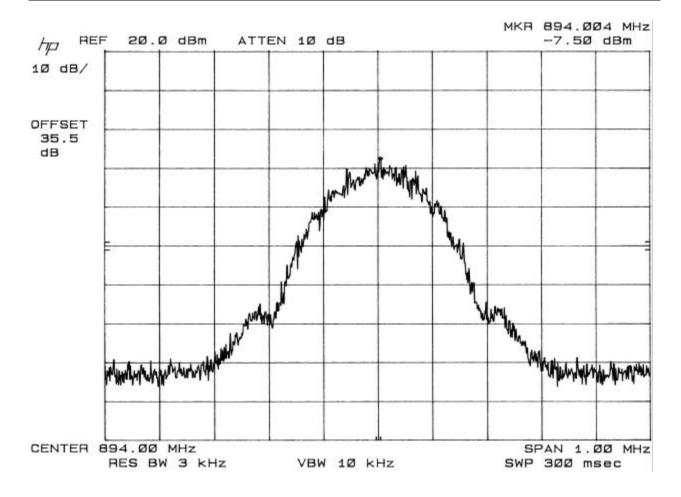
NB	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied I	Bandwidth	
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance	
Customer:	Janizary Holdings Inc		Standard s	
Model Number:	CA-819	Serial Number:	[X] FCC Part 15	
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24	
	Downlink		[X] FCC Part 24 [X] FCC Part 90	
	Signal Source - GSM – Output –	Signal Source - GSM – Output – 881.5MHz		



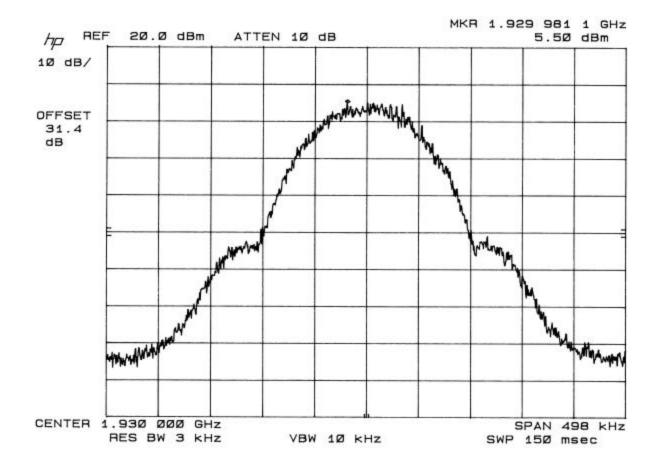
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 90
	Signal Source - GSM – Input – 894M	ſHz	



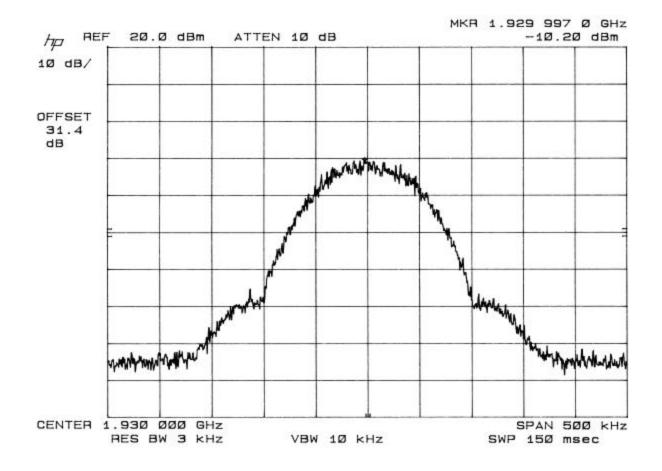
NB	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied I	Bandwidth	
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance	
Customer:	Janizary Holdings Inc		Standard s	
Model Number:	CA-819	Serial Number:	[X] FCC Part 15	
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24	
	Downlink		[X] FCC Part 24 [X] FCC Part 90	
	Signal Source - GSM – Output –	Signal Source - GSM – Output – 894MHz		



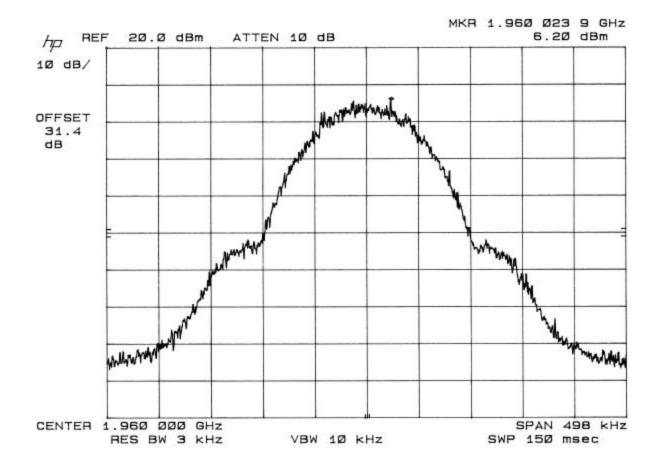
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier	·	[X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 1930	MHz	



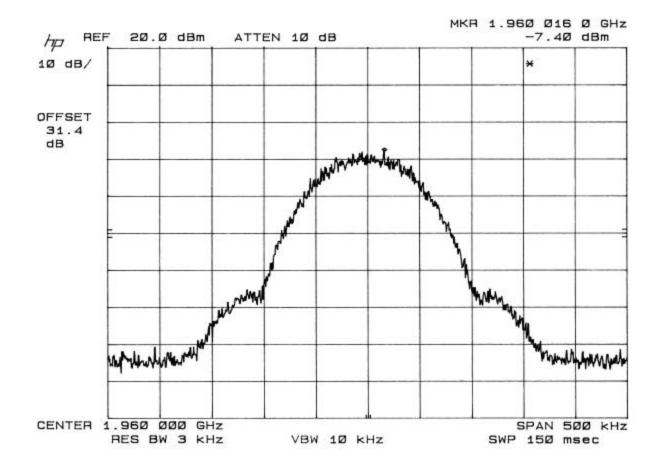
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		 [X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 193	Signal Source - GSM – Output – 1930MHz	



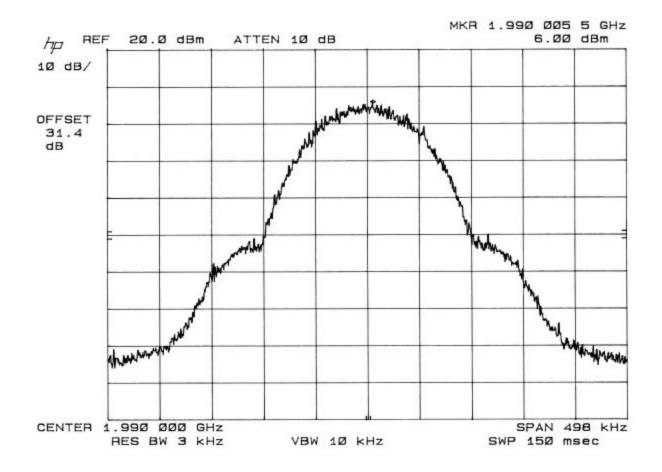
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22
	Downlink		 [X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Input – 1960	MHz	



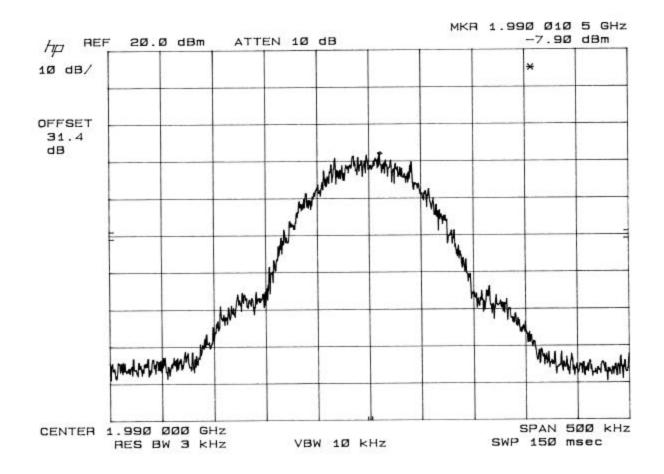
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier	·	[X] FCC Part 22
	Downlink		 [X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 196	0MHz	



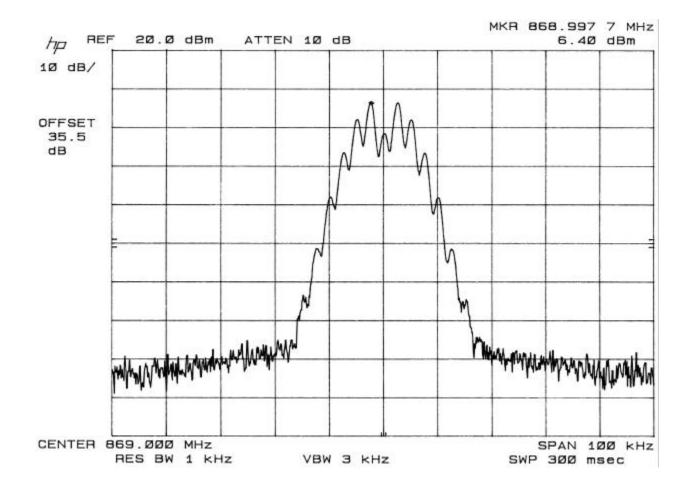
<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 90
	Signal Source - GSM – Input – 1990MHz		



<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		 [X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 24 [X] FCC Part 90
	Signal Source - GSM – Output – 1990MHz		



<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		 [X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 24
	Signal Source - TDMA – Input – 869MHz		



<u>INB</u>	5969 Robinson Avenue Riverside, CA 92503 (909) 637-2630 FAX (909) 637-2704	Occupied Ba	andwidth
DNB Job Number:	RV48085A	Date: 10 Feb 2004	Conformance
Customer:	Janizary Holdings Inc		Standard s
Model Number:	CA-819	Serial Number:	[X] FCC Part 15
Description:	RF amplifier		[X] FCC Part 22 [X] FCC Part 24
	Downlink		[X] FCC Part 90
	Signal Source - TDMA – Output – 869MHz		

