

**Application for Certification
For an RF amplifier**

**Janizary Holdings, Inc.
2282 Townsgate Road, Suite 100
Westlake Village, CA 91361**

RF amplifier

**FCC ID: RFK-CBAHP1900
IC ID: 5252A-CBAHP1900**

REPORT # RV78116A-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 24 and in accordance with Industry Canada Radio Standards Specification RSS-131 for Zone Enhancers and any other applicable sections of the rules as indicated herein.


Prepared By:

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


Industry Canada Lab Code: IC 4738

12 Jun 2007

TEST LAB PERSONNEL

Test Performed by:	Date	Signature
Les Payne	12 Jun 2007	

APPROVALS

Quality Approval	Date	Signature
Tom Elders Quality Check	12 Jun 2007	

Original report RV78116A-001
Revised report RV78116A-002

Dated 12 Jun 2007
Dated 24 Jun 2007

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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 24, and 90. Also included in this report is compliancy data for Industry Canada RS-131 for Zone Enhancers. 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.



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1.3 Test Methodology

The tests were performed in accordance with FCC Part 2 Subpart J, 2.1031 through 2.1057, 15, and 24, Industry Canada RSS-131 on a sample of the production model.

1.4 Test Equipment

FIGURE 1: TEST EQUIPMENT

Description	Manufacturer	M/N	S/N	Cal Due Date	Test Used On
Signal Generator	Rhode & Schwarz	SMU 200A	100094	11/28/07	RF Power Out put, Inter-Mod, Cond Spur, Rad Spur, Characteristics
Spectrum Analyzer	Agilent	E4407B	MY45103462	08/18/07	RF Power Out put, Inter-Mod, Cond Spur, Rad Spur, Characteristics, RE
S/A Display	H/P	85662A	2318A05282	10/06/07	RE
Spectrum Analyzer	H/P	85680B	2330A02791	10/06/07	RE
Q-P Adapter	H/P	85650A	2811A01240	10/06/07	RE
RF-Preselector	H/P	8566B	259101-2	10/06/07	RE
Bicon Antenna	AH Systems	SAS-200/540	524	01/02/09	RE
Logarithmic Antenna	EMCO	3146	1284	01/03/09	RE
DRG Antenna	EMCO	3115	2280	02-03/08	RE
DRG Antenna	EMCO	3115	2281	10/04/08	RE,Rad spur
50 ohm Load	Decibel	DB4303G	2309	1/11/08	RF Power Out put, Inter-Mod, Cond Spur, Rad Spur, Characteristics, RE
Directional Coupler	DNB	DNBDCRIV	12401	09/08/07	RF Power Out put, Inter-Mod, Cond Spur, Characteristics

1.5 DEVIATIONS

Deviations/Modifications to the EUT

None.

Deviations/Modifications from test standard.

None

1.6 TEST DESCRIPTION

- 1.6.1 RF Power Output**
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. (also known as the 99% bandwidth)
- 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.
- 1.6.6 Radiated Emissions**
Emissions which emanate from the EUT.

2.1033 (C) (1) Application for Certification

Name of Applicant:	Janizary Holdings, Inc. 2282 Townsgate Road, Suite 100 Westlake Village, CA 91361		
FRN:	0009486226		
Applicant is:	X	Manufacturer Vendor Licensee Prospective Licensee Other	
Name of Manufacturer	Janizary Holdings, Inc.		
Description:	RF amplifier		
Part Number:	CBHP1900		
Anticipated Production Quantity:	Multiple Units		
Applicable FCC Parts:	24		
Applicable IC Standard:	RSS-131		
FCC ID No:	RFK-CBAHP1900		
IC ID No:	5252A-CBAHP1900		
FCC Emissions Designator:	24E	GXW	
	24E	DXW	
	24E	F9W	
Frequency Range:	Uplink	1850.025-1909.975	MHz
	Downlink	1930.025-1989.975	MHz
Rated Conducted Output:	0.664W (28.22dBm)	1850.025-1909.975	MHz
	0.566W (27.53dBm)	1930.025-1989.975	MHz

2.1033 (C) (2) FCC Identifier

FCC ID: RFK-CBAHP1900

2.1033 (C) (4) Type of Emission

1850.250 – 1909.750 MHz	24E	GXW	300KGXW
1850.025 – 1909.975 MHz	24E	DXW	30K0DXW
1851.000 – 1909.000 MHz	24E	F9W	1M25F9W

2.1033 (C) (5) Frequency Range

Uplink MHz	1850.025 – 1909.975 MHz	Downlink	1930.025 – 1989.975
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2.1033 (C) (6) Operating Power (Conducted)

Uplink	1850.025 – 1909.975 MHz	0.664W (28.22dBm)
Downlink	1930.025 – 1989.975 MHz	0.566W (27.53dBm)

2.1033 (C) (7) Maximum Power Allowed in Applicable Part(s) of the Rules

<u>RULES PART</u>	<u>MAXIMUM POWER (WATTS)</u>
Part 24	2

2.1033 (C) (8) Input Power Characteristics .405 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

CDMA / TDMA / GSM

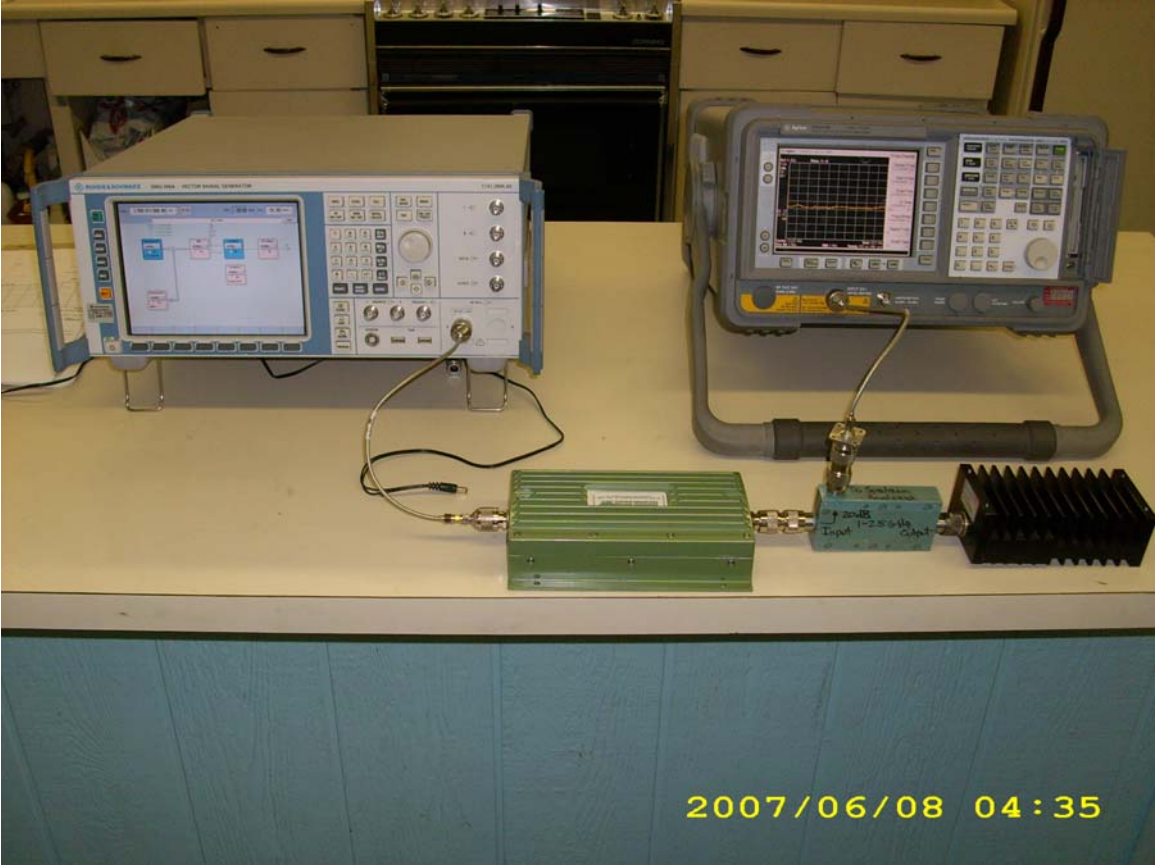
2.1033 (c) (14) Test Data

See 2.1046-2.1053 and Radiated Emissions

FIGURE 2: TEST RESULT SUMMARY

NAME OF TEST	FCC PARA. NO.	Industry Canada No. (RSS-131)	RESULTS
RF Power Output	2.1046	RSS-131 Cl 4.3	Complies
Emissions Limitations: TDMA	2.1049	RSS-131 Cl 4.2	Complies
Emissions Limitations: GSM	2.1049	RSS-131 Cl 4.2	Complies
Occupied Bandwidth: TDMA/GSM	2.1049	RSS-131 Cl 4.2	Complies
Conducted Spurious Emissions at Antenna Terminals	2.1051	RSS-131 Cl 4.4	Complies
Radiated Field Strength of Spurious Emissions	2.1053	RSS-131 Cl 4.4	Complies
Radiated Emissions	15 Class B	CIPSR 22 Class B	Complies
Intermodulation		RSS-131 Cl 4.3 RSS-131 Cl 4.4	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.

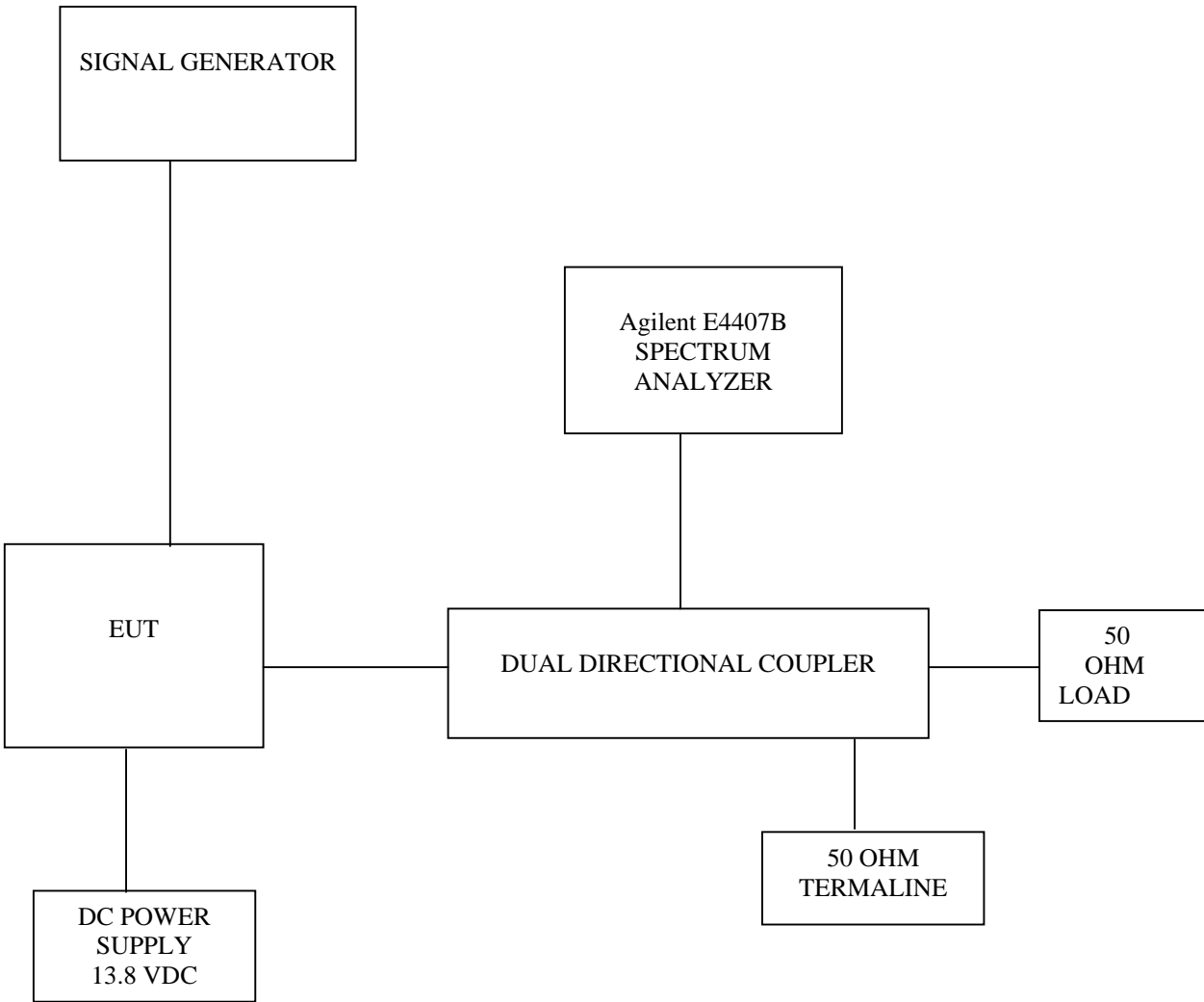
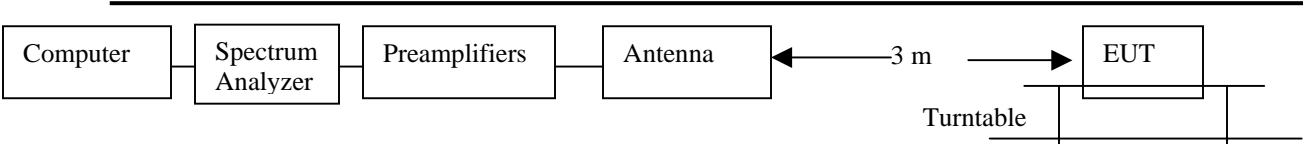


FIGURE 4: TEST SET UP BLOCK DIAGRAM FOR RADIATED EMISSIONS



2.1046
4.3)

Measurement of RF Power Output (IC RSS-131 CI)

Definition: For RF amplifier

Test Method: See FIGURE 1.

Output Power is measured across a precision 50 ohm load with a Spectrum Analyzer. For all measurements the maximum signal was determined by input the signal until the unit would no longer amplify the signal. This signal has been plotted in the section as modulation characteristics as input (EUT removed form circuit) and output (EUT inserted in circuit). For the power measurement, typical signal is used. (GSM / TDMA / CDMA)

Test Results: Frequency Range 1850 - 1990:

Uplink

Signal Type	Freq (MHz)	Power (dBm)	Power (W)	Characteristics		
				In	Out	Gain
GSM	1850.250	25.09	0.323	-33.93	25.82	59.75
GSM	1880.000	28.22	0.664	-33.78	28.18	61.96
GSM	1909.750	16.51	0.045	-33.60	16.16	49.76
TDMA	1850.025	19.05	0.080	-34.68	19.21	53.89
TDMA	1880.000	23.51	0.224	-34.74	27.87	62.61
TDMA	1909.975	16.20	0.042	-34.60	10.17	44.77
CDMA	1851.000	24.13	0.159	-40.04	13.75	53.79
CDMA	1880.000	24.28	0.272	-40.14	17.50	57.64
CDMA	1909.000	21.60	0.146	-40.13	15.46	55.59

Downlink

Signal Type	Freq (MHz)	Power (dBm)	Power (W)	Characteristics		
				In	Out	Gain
GSM	1930.250	20.13	.103	-44.92	19.79	64.71
GSM	1960.000	27.53	.566	-44.97	20.25	65.22
GSM	1989.750	22.27	.169	-44.54	14.76	59.30
TDMA	1930.025	12.40	.017	-45.09	9.58	54.67
TDMA	1960.000	21.45	.140	-45.18	19.91	65.09
TDMA	1989.975	15.80	.038	-45.18	14.25	59.43
CDMA	1931.000	13.64	.023	-50.22	7.13	57.35
CDMA	1960.000	21.82	.152	-50.03	15.67	65.70
CDMA	1989.000	17.31	.054	-50.29	15.67	65.96

FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Uplink GSM 1850.250 MHz	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	

* Agilent 14:01:05 Jun 1, 2007

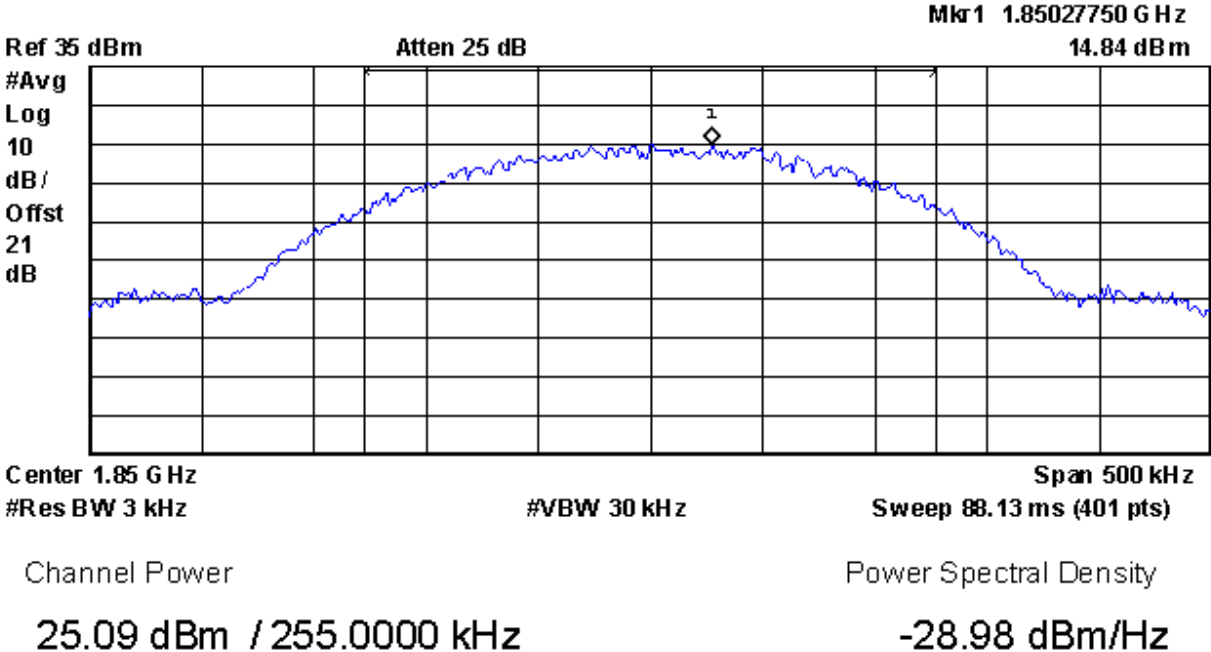



FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink GSM 1880.000 MHz			

Agilent 14:01:53 Jun 1, 2007

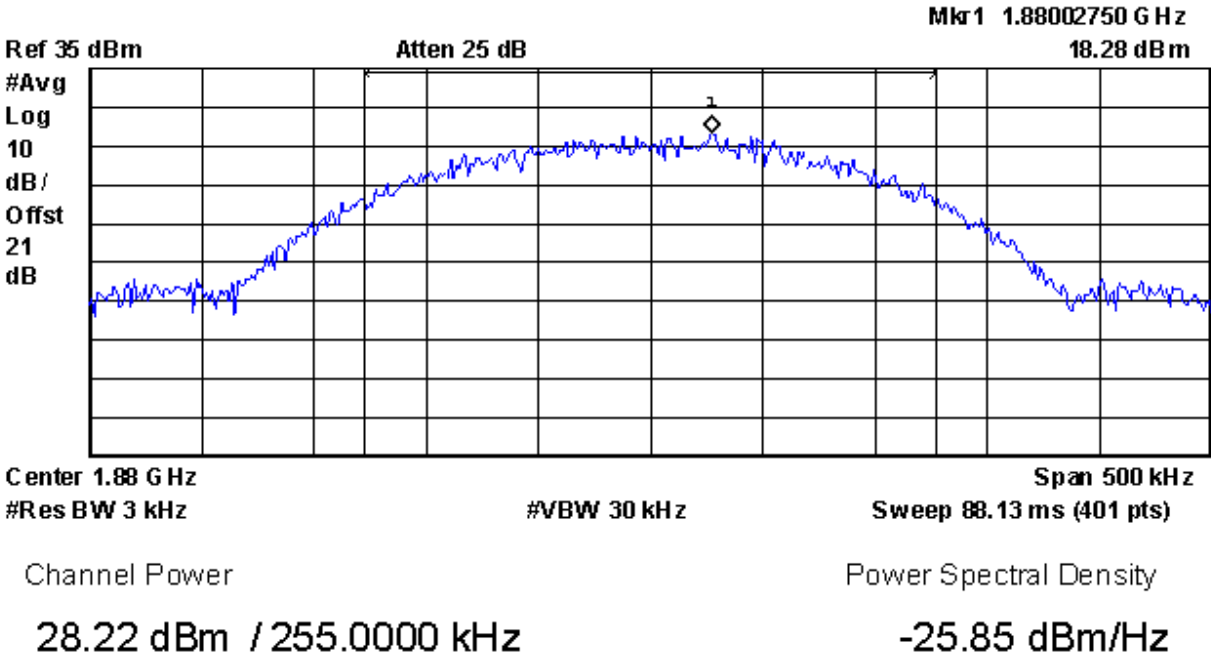



FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Output Power</h3>	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Uplink GSM 1909.750 MHz	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	

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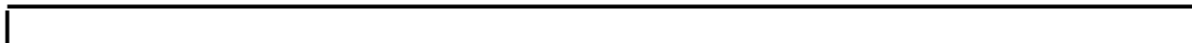
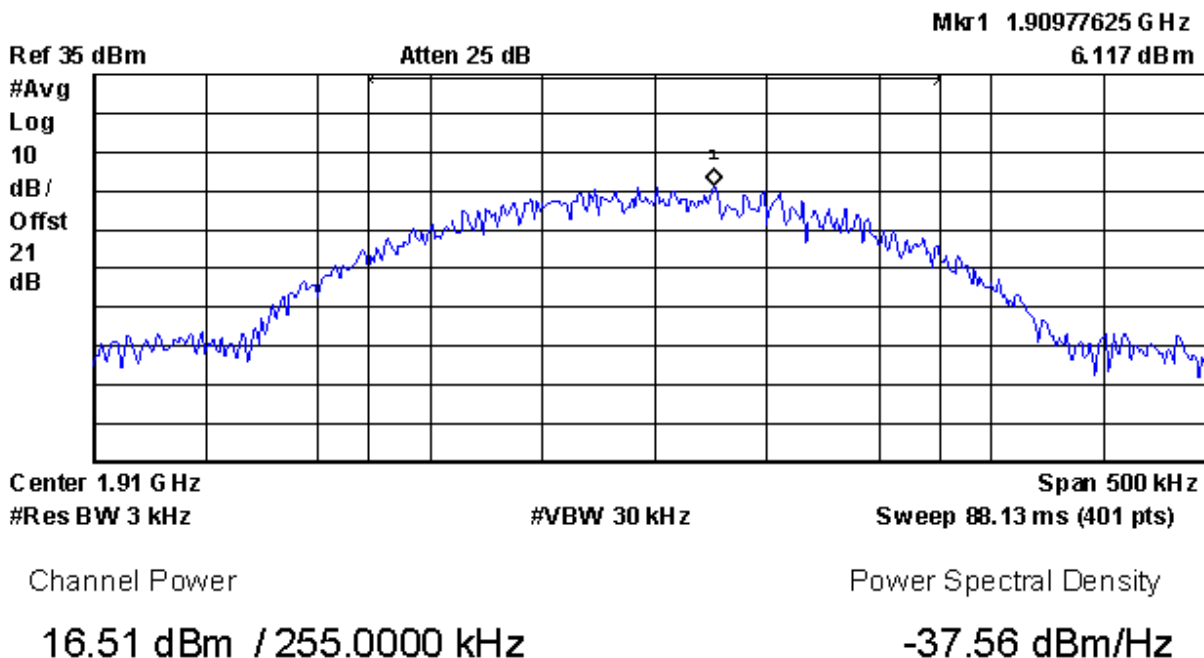

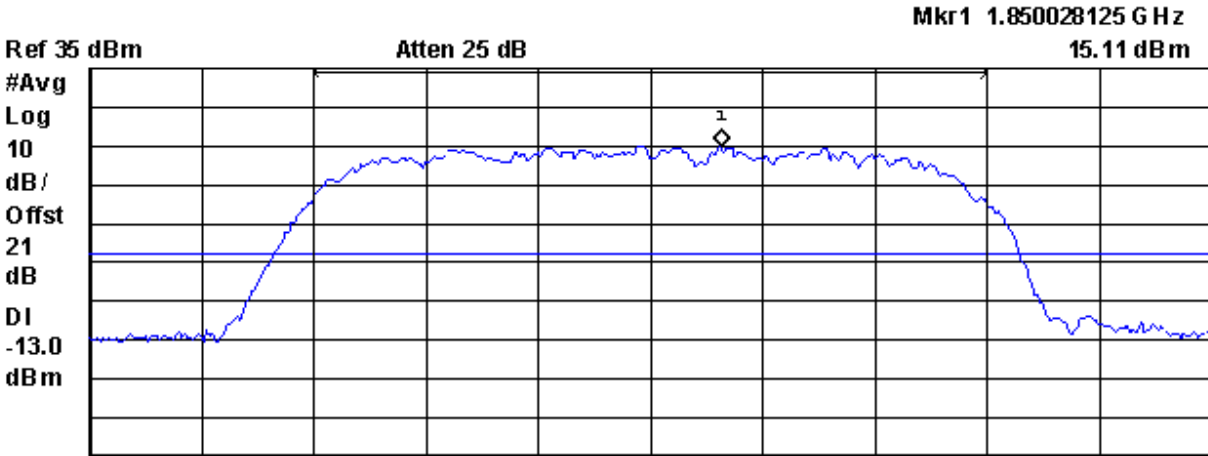


FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink TDMA 1850.025 MHz			

Agilent 14:55:01 Jun 1, 2007




Center 1.85 GHz #Res BW 1 kHz #VBW 10 kHz Sweep 79.32 ms (401 pts)
 Span 50 kHz

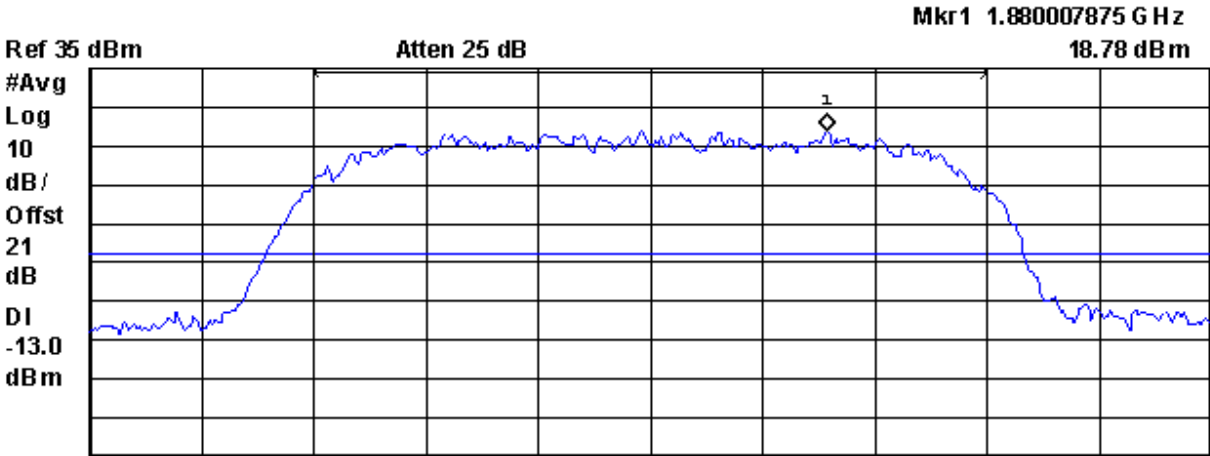
Channel Power 19.05 dBm / 30.0000 kHz
 Power Spectral Density -25.72 dBm/Hz



FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink TDMA 1880.000 MHz				

Agilent 14:56:31 Jun 1, 2007




Center 1.88 GHz #Res BW 1 kHz #VBW 10 kHz Sweep 79.32 ms (401 pts) Span 50 kHz

Channel Power Power Spectral Density
 23.51 dBm / 30.0000 kHz -21.26 dBm/Hz



FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Output Power	
DNB Job Number:	78116	Date:	8 Jun 2007
Customer:	Janizary Holdings, Inc.	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink TDMA 1909.975 MHz		

Agilent 10:22:13 Jun 8, 2007

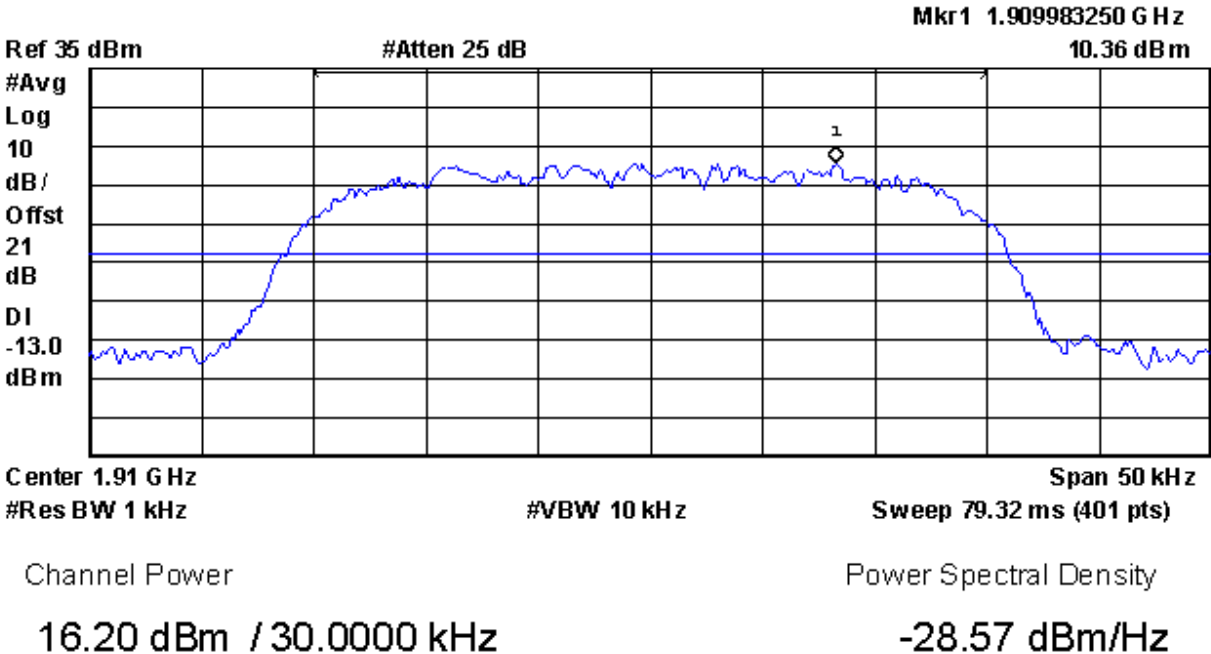



FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power		
	DNB Job Number:	78116	Date:	1 Jun 2007	
	Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
	Model Number:	CBHP1900			
	Description:	RF amplifier			
	Uplink CDMA 1851.000 MHz				

Agilent 16:41:48 Jun 1, 2007

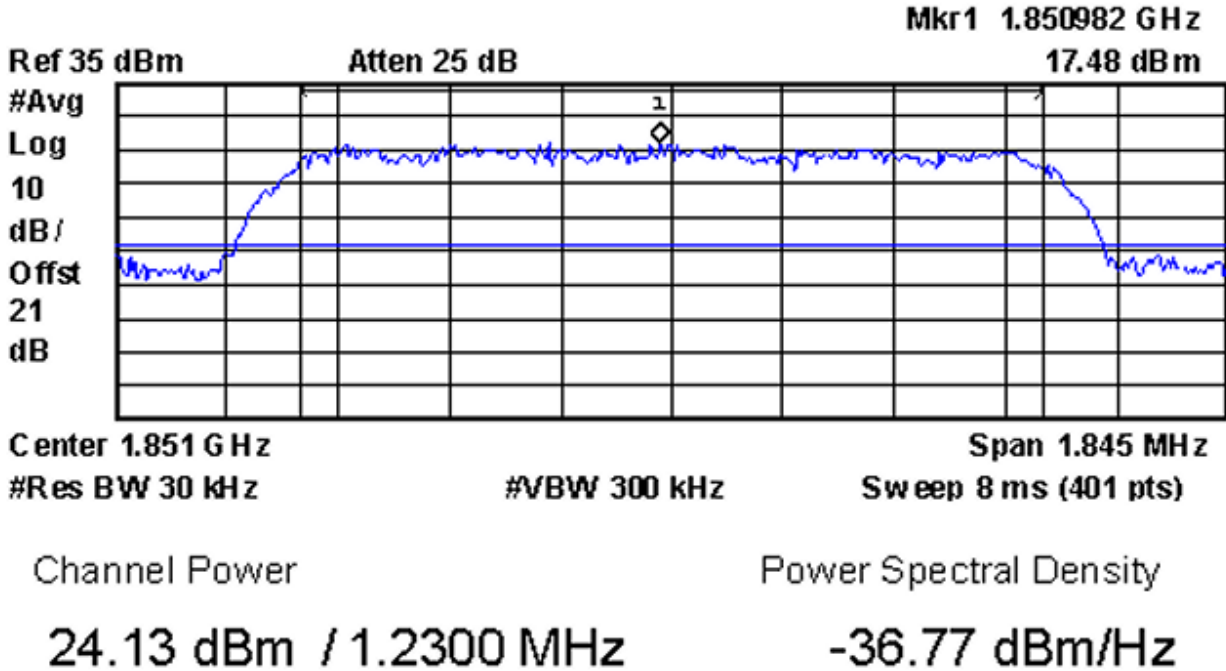

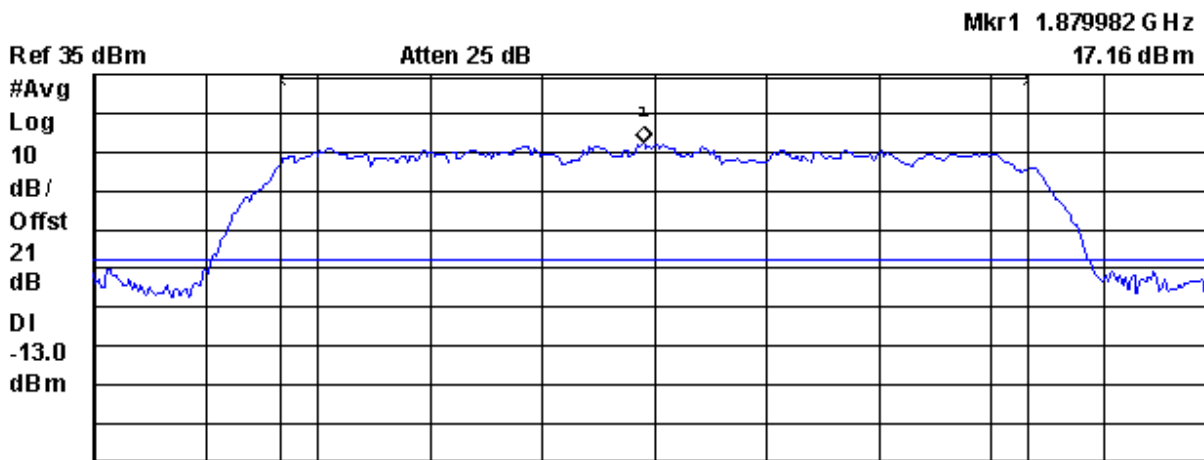


FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
DNB Job Number:	78116	Date:	1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Customer:	Janizary Holdings, Inc.			
Model Number:	CBHP1900			
Description:	RF amplifier			
Uplink CDMA 1880 MHz				

* Agilent 16:43:08 Jun 1, 2007



Center 1.88 GHz #Res BW 30 kHz #VBW 300 kHz Span 1.845 MHz Sweep 8 ms (401 pts)

Channel Power

24.28 dBm / 1.2300 MHz

Power Spectral Density

-36.62 dBm/Hz

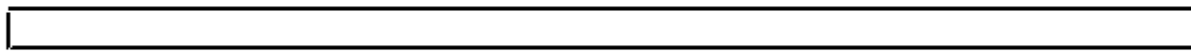

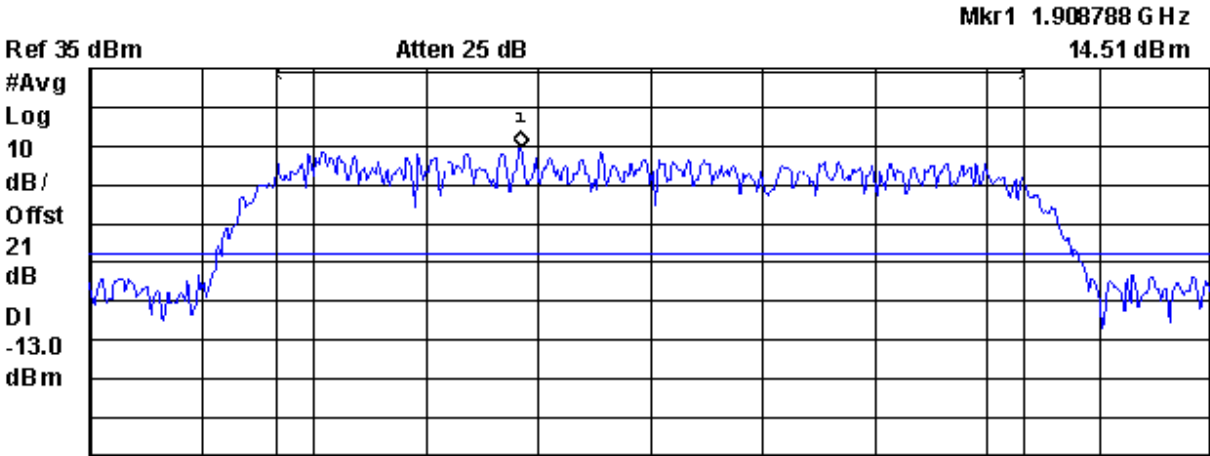


FIGURE 5: OUTPUT POWER PLOTS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink CDMA 1909.000Hz				

Agilent 16:43:55 Jun 1, 2007



Center 1.909 GHz #Res BW 30 kHz #VBW 300 kHz Span 1.845 MHz Sweep 8 ms (401 pts)

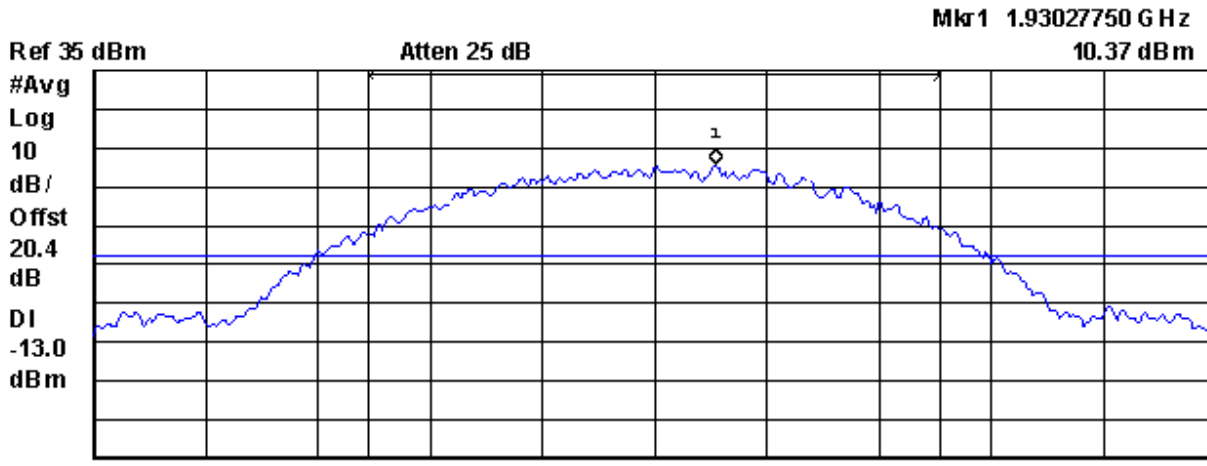
Channel Power 21.60 dBm / 1.2300 MHz Power Spectral Density -39.30 dBm/Hz



FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Output Power</h3>	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier				
	Downlink GSM 1930.250 MHz			

Agilent 11:14:57 May 24, 2007



Center 1.93 GHz #Res BW 3 kHz #VBW 30 kHz Sweep 88.13 ms (401 pts) Span 500 kHz

Channel Power Power Spectral Density

20.13 dBm / 255.0000 kHz -33.93 dBm/Hz

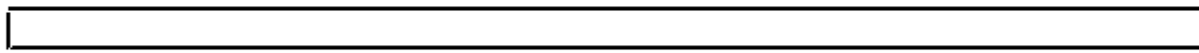



FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Output Power</h3>		
	DNB Job Number:	78116	Date:	24 May 2007	
	Customer:	Janizary Holdings, Inc.			Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Model Number:	CBHP1900			
	Description:	RF amplifier			
	Downlink GSM 1960.000 MHz				

Agilent 11:16:23 May 24, 2007

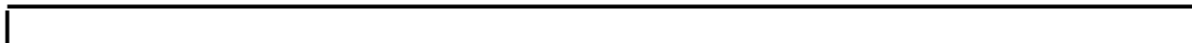
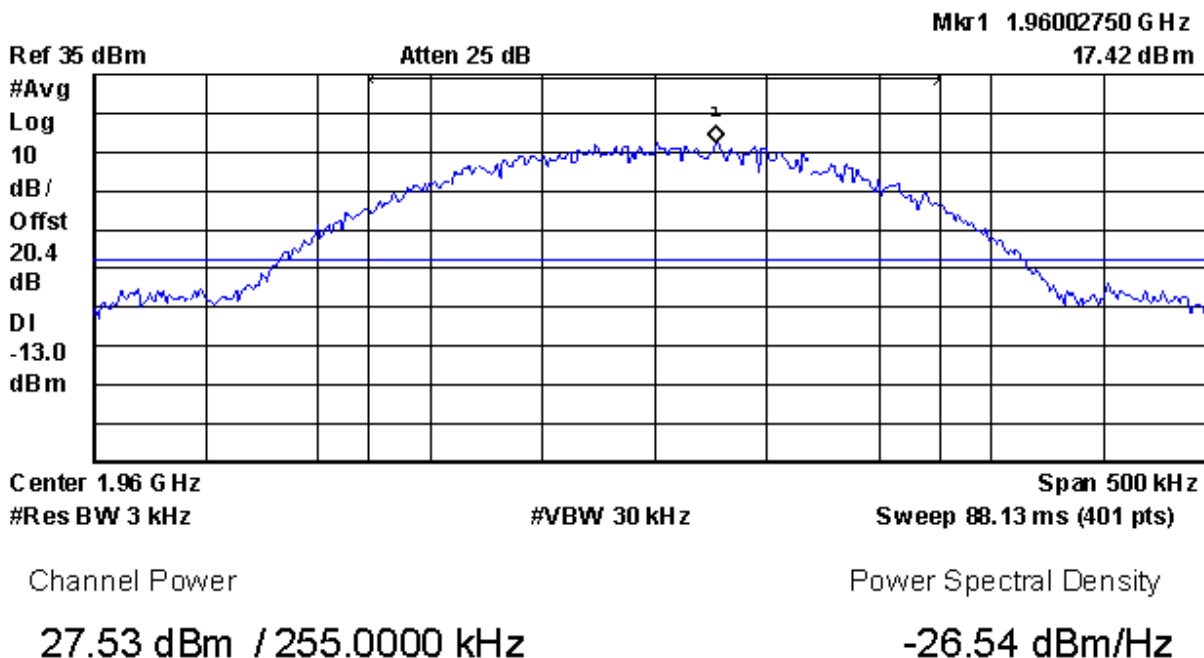



FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Output Power</h3>	
DNB Job Number: 78116		Date: 24 May 2007		Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.					
Model Number: CBHP1900					
Description: RF amplifier					
		Downlink GSM 1989.750 MHz			

Agilent 11:17:36 May 24, 2007

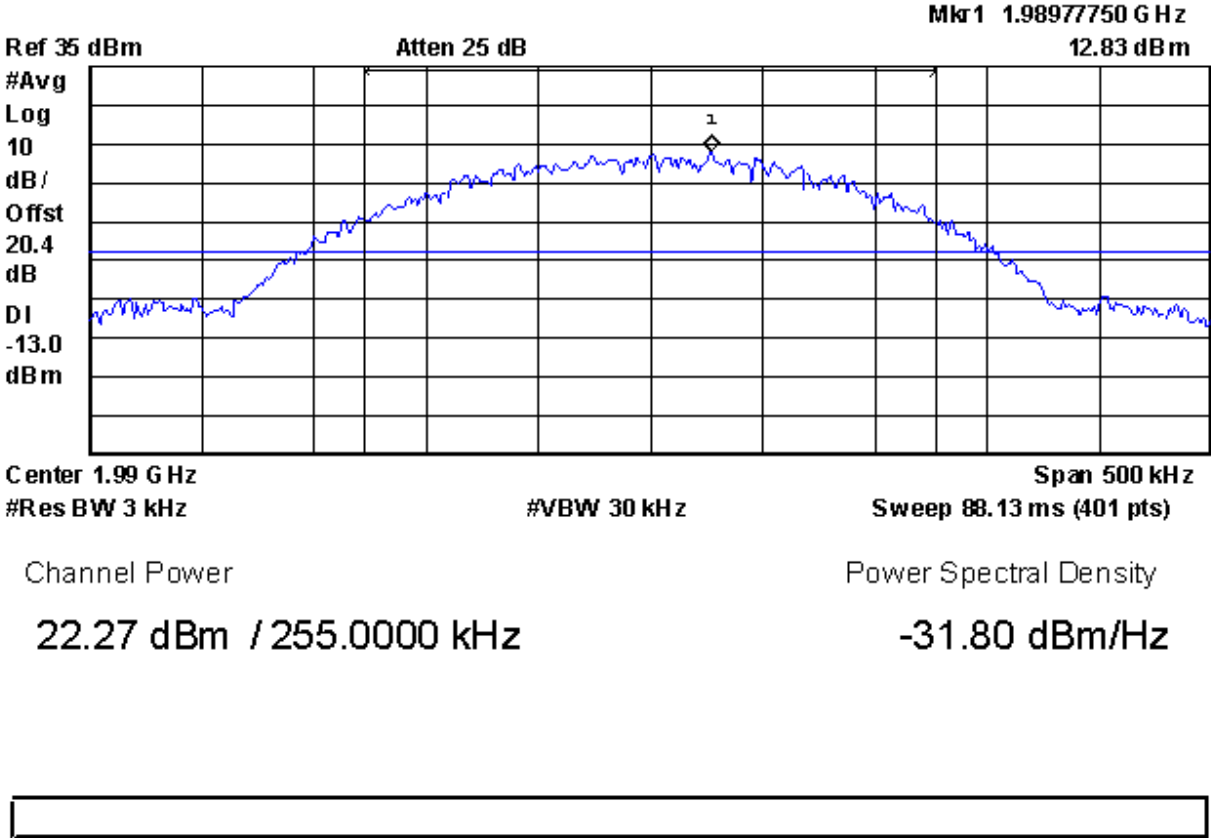

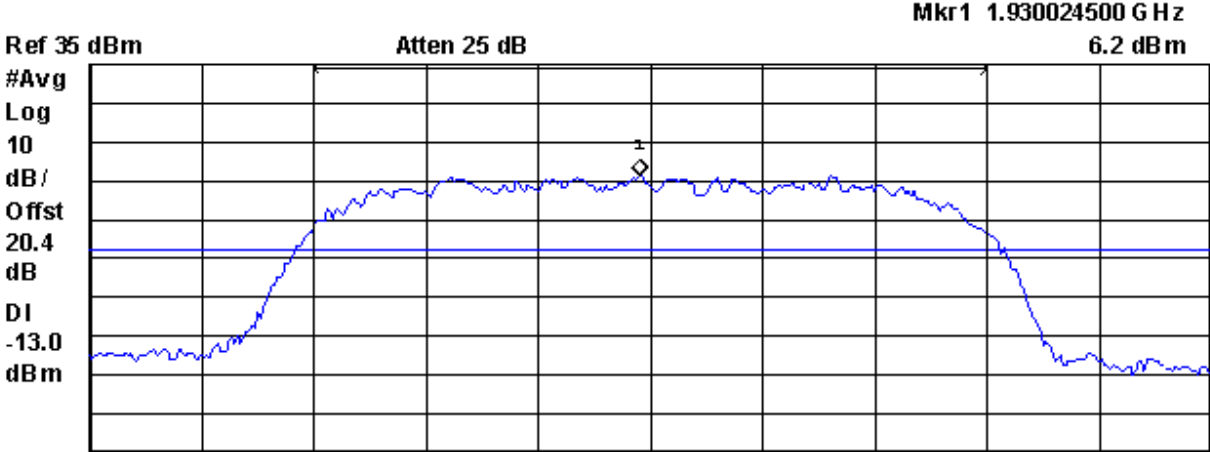


FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number:	78116	Date:	24 May 2007
	Customer:	Janizary Holdings, Inc.		
	Model Number:	CBHP1900		
	Description:	RF amplifier		
	Downlink TDMA 1930.025 MHz			Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24

Agilent 14:24:14 May 24, 2007




Center 1.93 GHz Span 50 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 79.32 ms (401 pts)

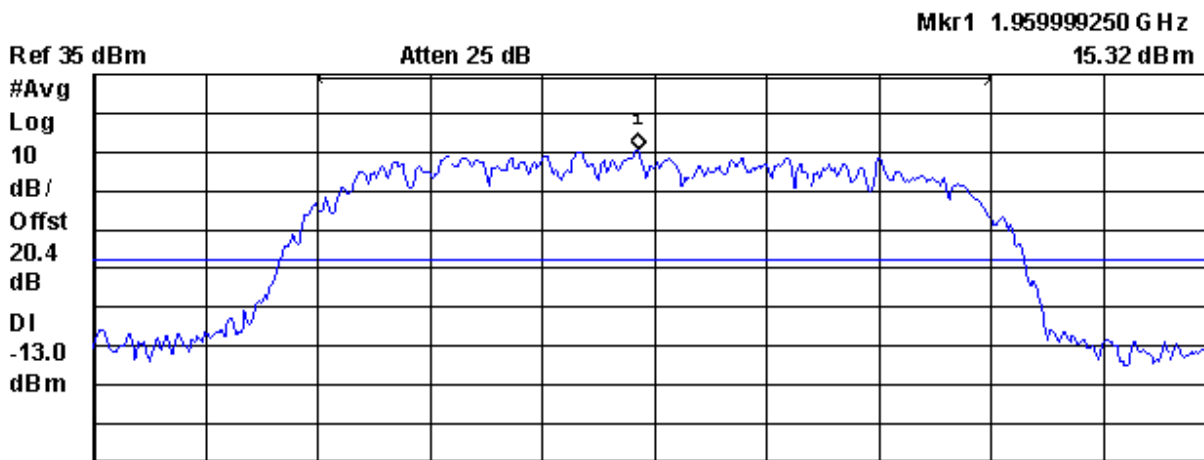
Channel Power Power Spectral Density
12.40 dBm / 30.0000 kHz **-32.37 dBm/Hz**



FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Output Power</h3>	
	DNB Job Number:	78116	Date:	24 May 2007
	Customer:	Janizary Holdings, Inc.		
	Model Number:	CBHP1900		
	Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
Downlink TDMA 1960.000 MHz				

Agilent 14:25:02 May 24, 2007



Center 1.96 GHz #Res BW 1 kHz #VBW 10 kHz Sweep 79.32 ms (401 pts) Span 50 kHz

Channel Power


21.45 dBm / 30.0000 kHz

Power Spectral Density

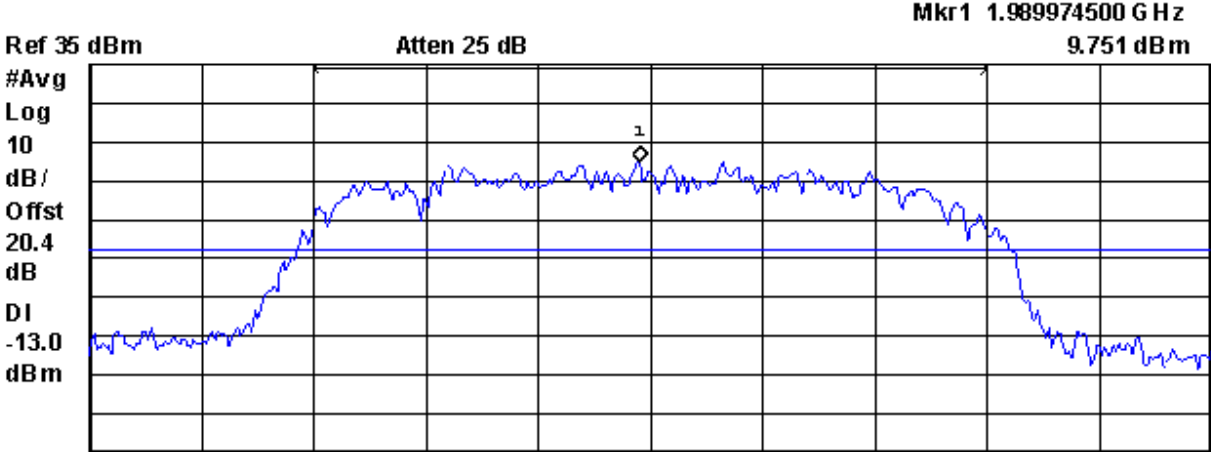
-23.32 dBm/Hz



FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Output Power	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Model Number:	CBHP1900		
Description:	RF amplifier		
Downlink TDMA 1989.975 MHz			

* Agilent 14:25:57 May 24, 2007



Center 1.99 GHz
#Res BW 1 kHz

#VBW 10 kHz

Span 50 kHz
Sweep 79.32 ms (401 pts)

Channel Power

15.80 dBm / 30.0000 kHz

Power Spectral Density

-28.97 dBm/Hz

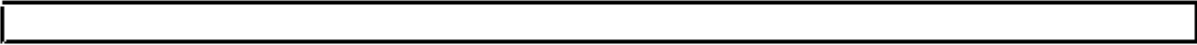



FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Output Power</h3>	
	DNB Job Number:	78116	Date:	24 May 2007
	Customer:	Janizary Holdings, Inc.		
	Model Number:	CBHP1900		
	Description:	RF amplifier		
Downlink CDMA 1930.800 MHz				

Agilent 17:02:04 May 24, 2007

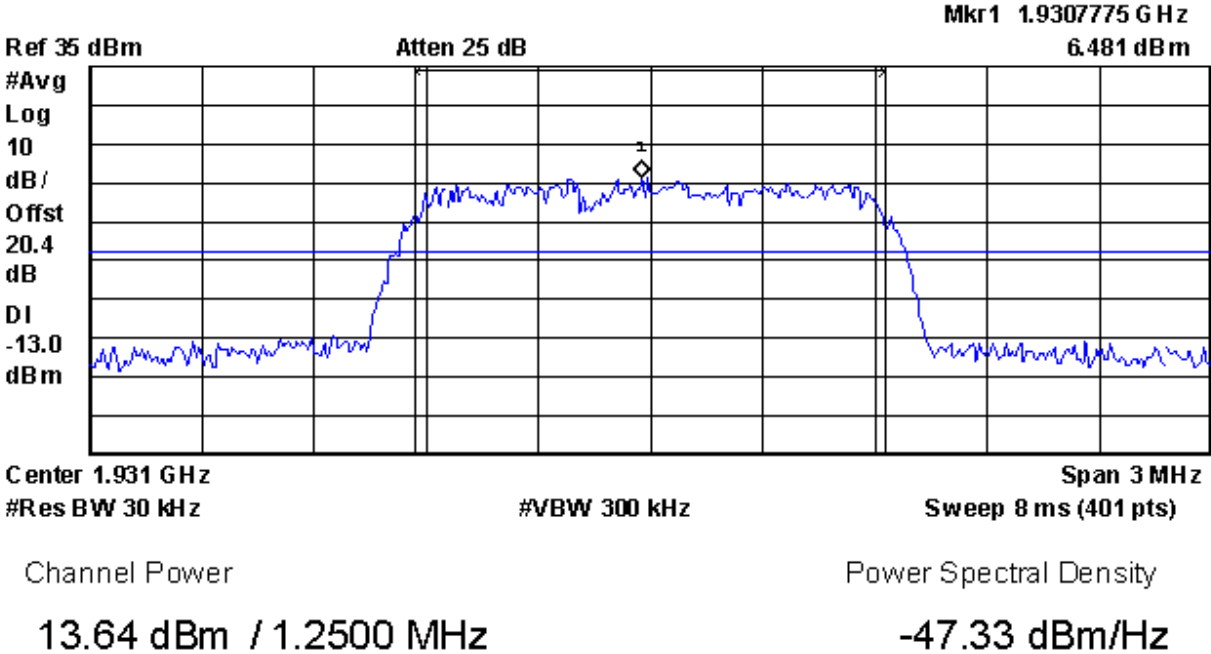

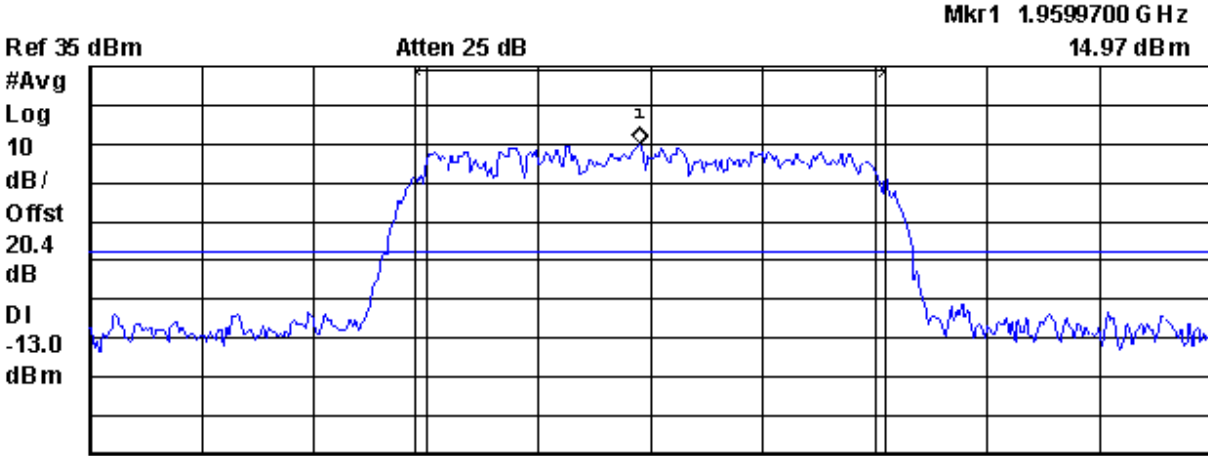


FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink CDMA 1960 MHz				

Agilent 17:02:53 May 24, 2007




Center 1.96 GHz Span 3 MHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 8 ms (401 pts)

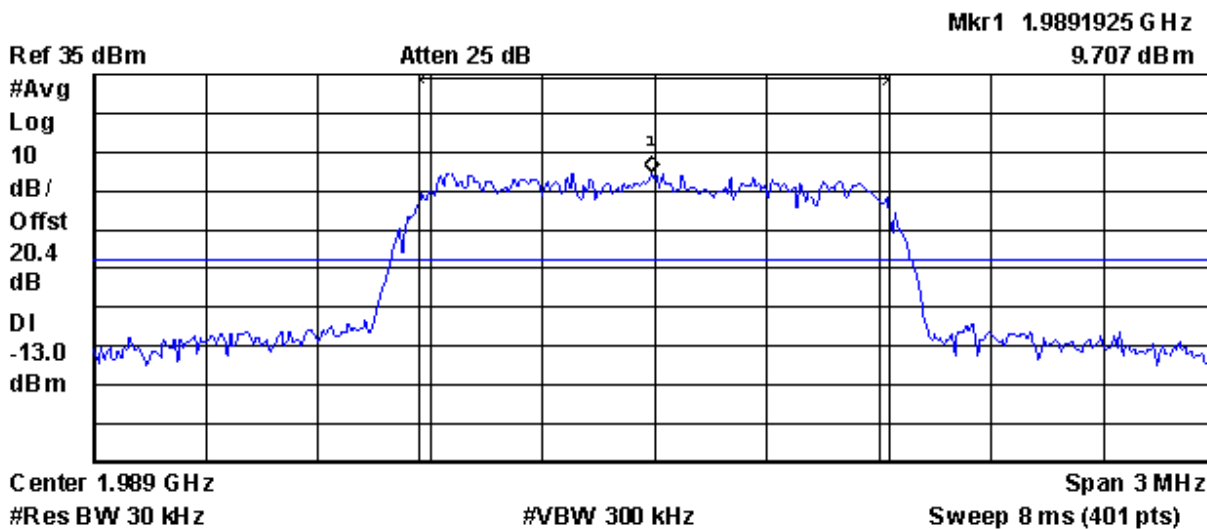
Channel Power Power Spectral Density
 21.82 dBm / 1.2500 MHz -39.15 dBm/Hz



FIGURE 5: OUTPUT POWER PLOTS, DOWNLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Output Power	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Downlink CDMA 1989.200 MHz	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	

Agilent 17:03:40 May 24, 2007

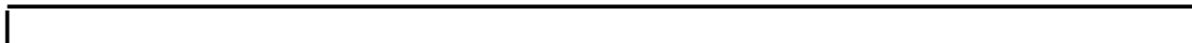


Channel Power

17.31 dBm / 1.2500 MHz

Power Spectral Density

-43.66 dBm/Hz



2.1049 Measurement of Occupied Bandwidth (IC RSS-131 Clause 4.2)

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.

Test Method: Connect the Equipment per FIGURE 1.

For all measurements the maximum signal was determined by input the signal until the unit would no longer amplify the signal. This signal has been plotted in the section as modulation characteristics as input (EUT removed form circuit) and output (EUT inserted in circuit).

Measurements were made while the driving source generated the following:


TDMA Signal
GSM Signal
CDMA Signal

Test Results: See Plots

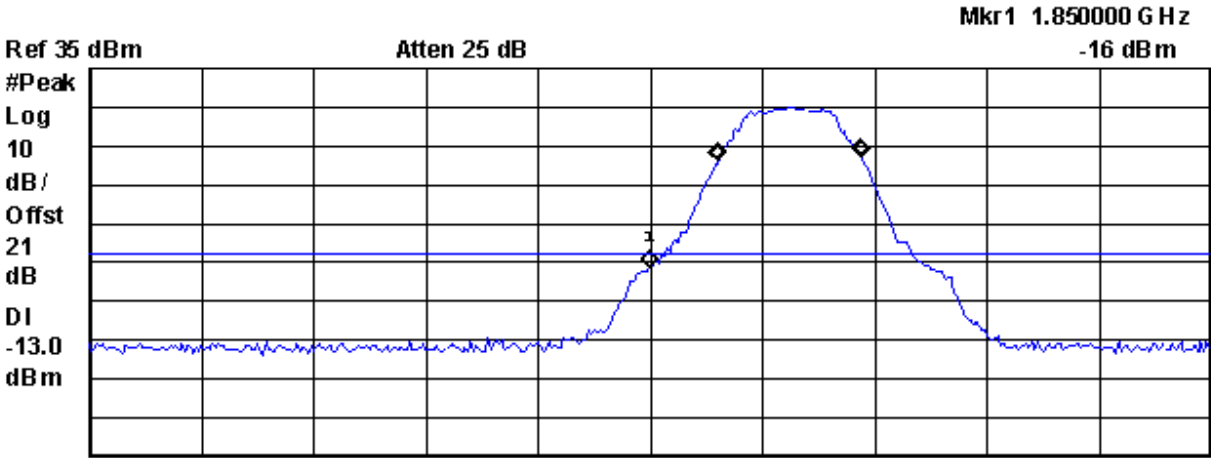
The center frequency of the signal did not shift with modulation. The Spectrum Bandwidth was well within the limits specified in the FCC Regulations.

Modulation characteristic plots are shown in this section.

FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink GSM 1850.200 MHz			

Agilent 14:09:04 Jun 1, 2007




Ref 35 dBm Atten 25 dB Mkr1 1.85000 GHz
 -16 dBm
 #Peak
 Log
 10
 dB/
 Offst
 21
 dB
 DI
 -13.0
 dBm
 Center 1.85 GHz Span 2 MHz
 #Res BW 30 kHz VBW 300 kHz Sweep 5 ms (401 pts)

Occupied Bandwidth
 252.6854 kHz
 Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error 248.564 kHz
 x dB Bandwidth 341.347 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink GSM 1850.200 MHz - Input				

Agilent 14:19:23 Jun 1, 2007

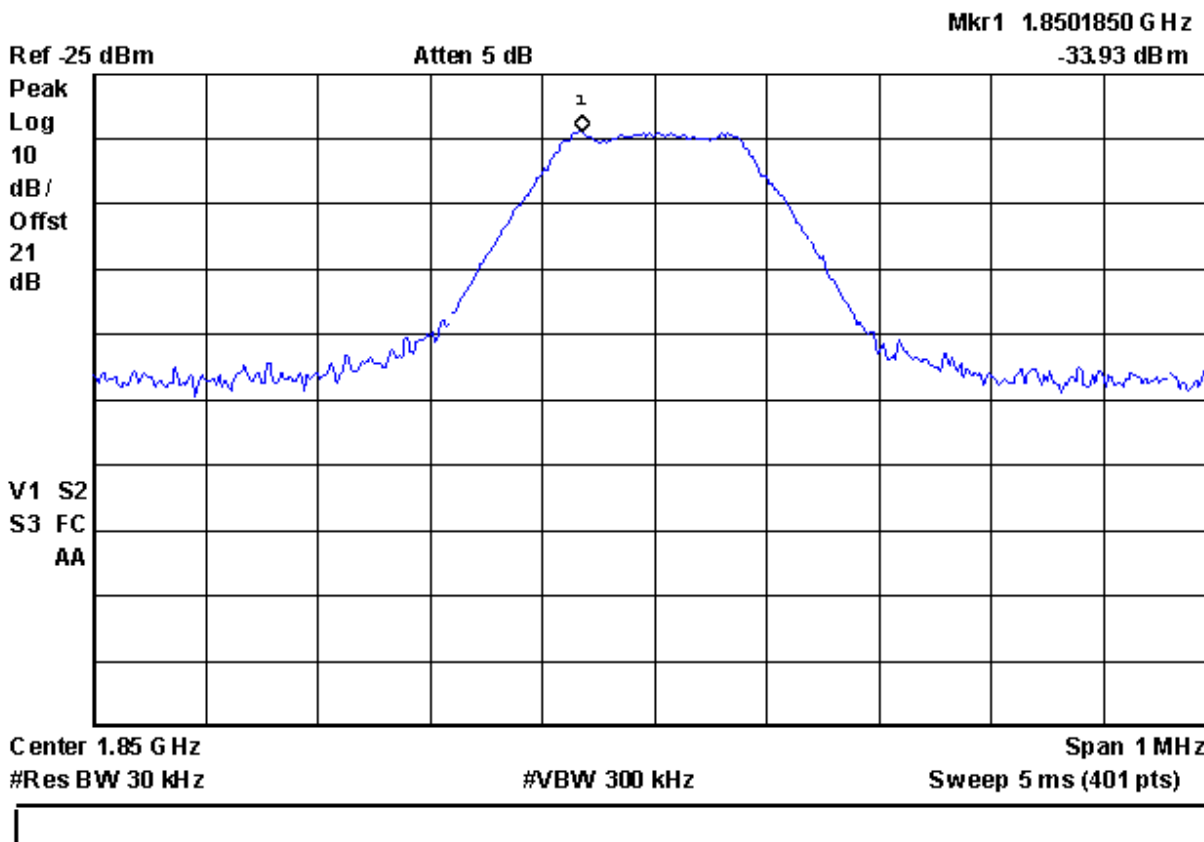



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date: 1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink GSM 1850.200 MHz - Output		

* Agilent 14:14:25 Jun 1, 2007

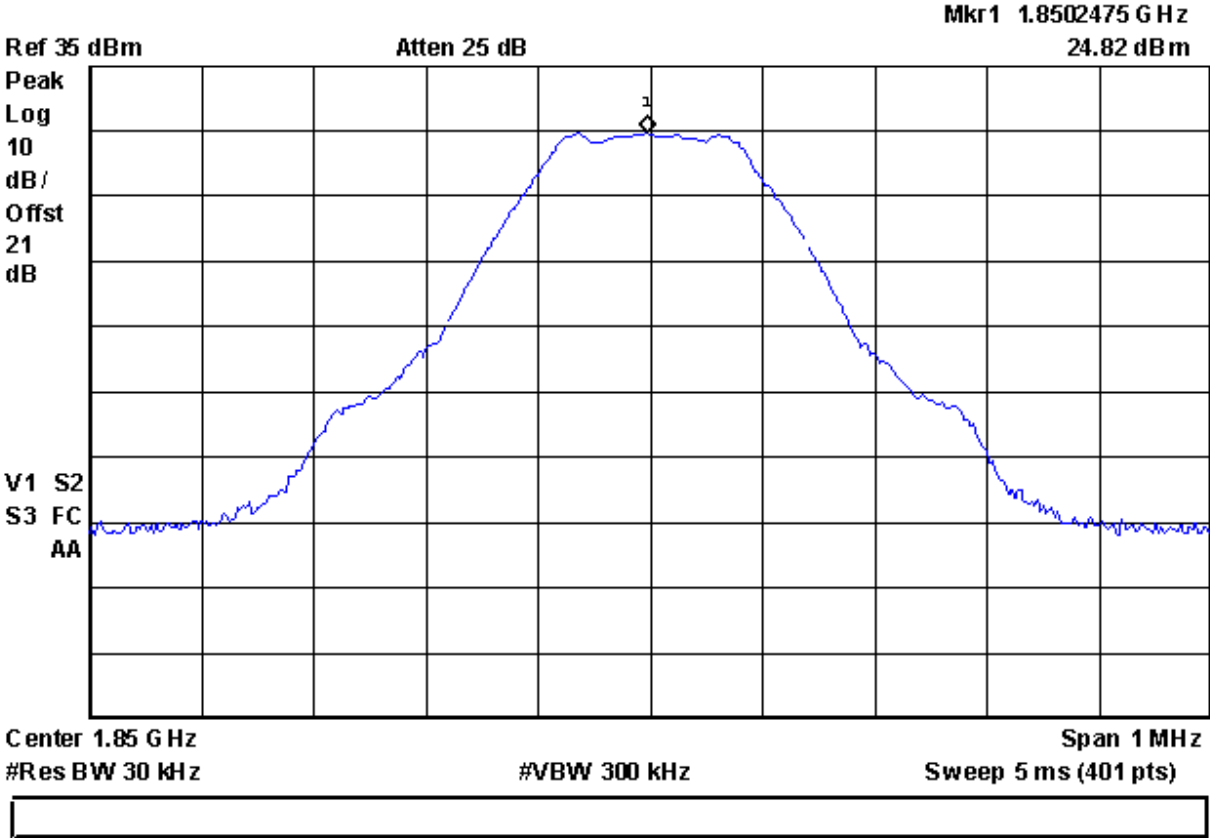

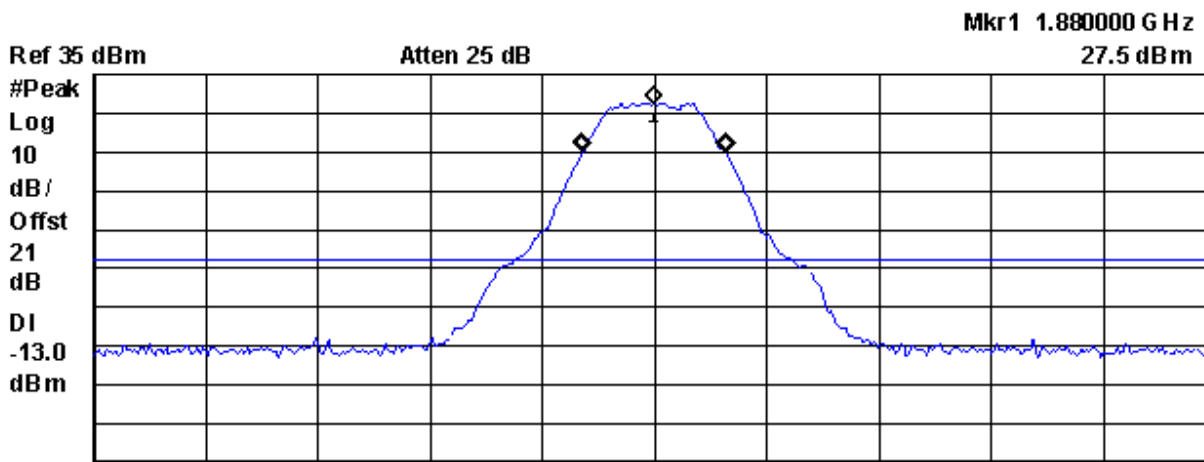


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Uplink GSM 1880 MHz	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	

* Agilent 14:10:54 Jun 1, 2007



Center 1.88 GHz Span 2 MHz
 #Res BW 30 kHz VBW 300 kHz Sweep 5 ms (401 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 254.6988 kHz x dB -26.00 dB

Transmit Freq Error -823.545 Hz
 x dB Bandwidth 343.514 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Modulation Characteristics</h3>	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Uplink GSM 1880 MHz - Input	Date: 1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	

Agilent 14:19:57 Jun 1, 2007

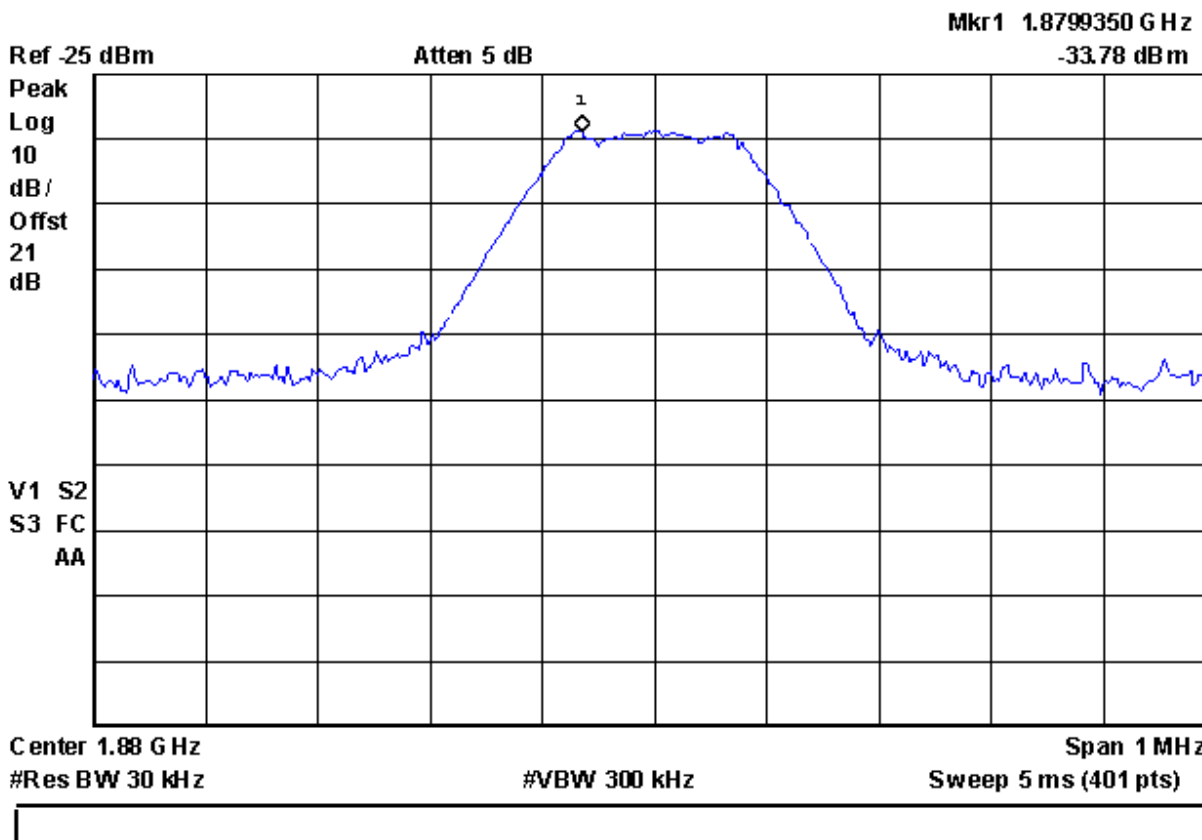



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Uplink GSM 1880 MHz - Output	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	

Agilent 14:15:15 Jun 1, 2007

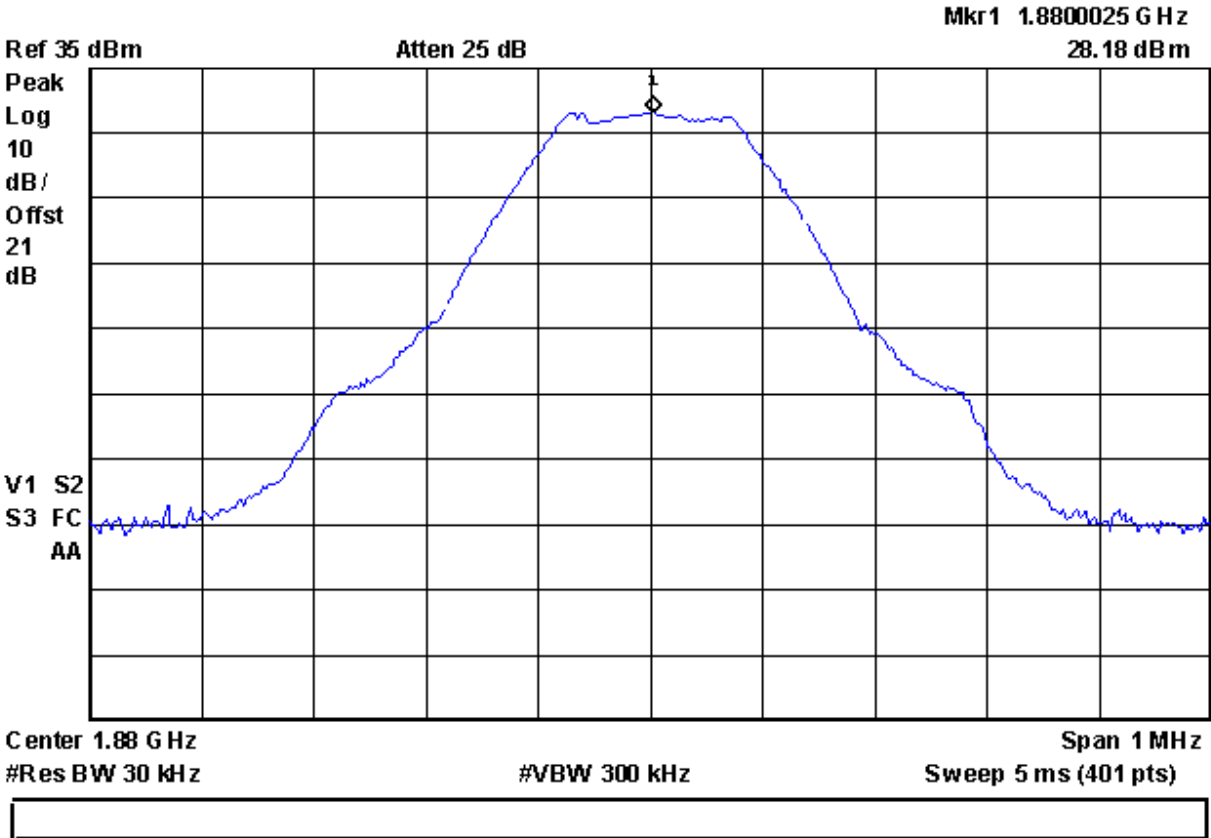

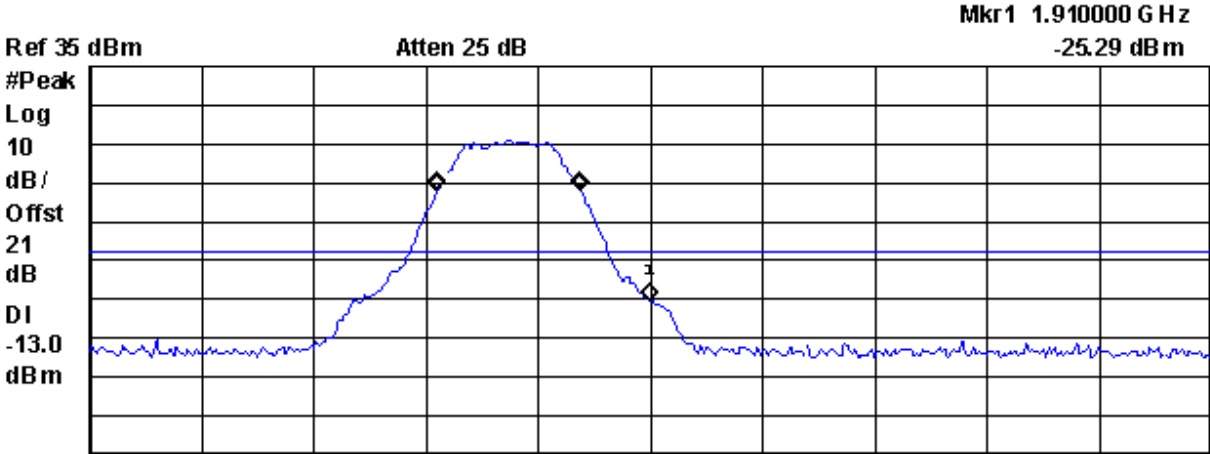


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Occupied Bandwidth	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier				
	Uplink GSM 1909.800 MHz			

Agilent 14:12:15 Jun 1, 2007




Occupied Bandwidth
 253.1701 kHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -251.066 kHz
 x dB Bandwidth 339.913 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.	Model Number: CBHP1900			
Description: RF amplifier	Uplink GSM 1909.800 MHz - Input			
Uplink GSM 1909.800 MHz - Input				

Agilent 14:20:39 Jun 1, 2007

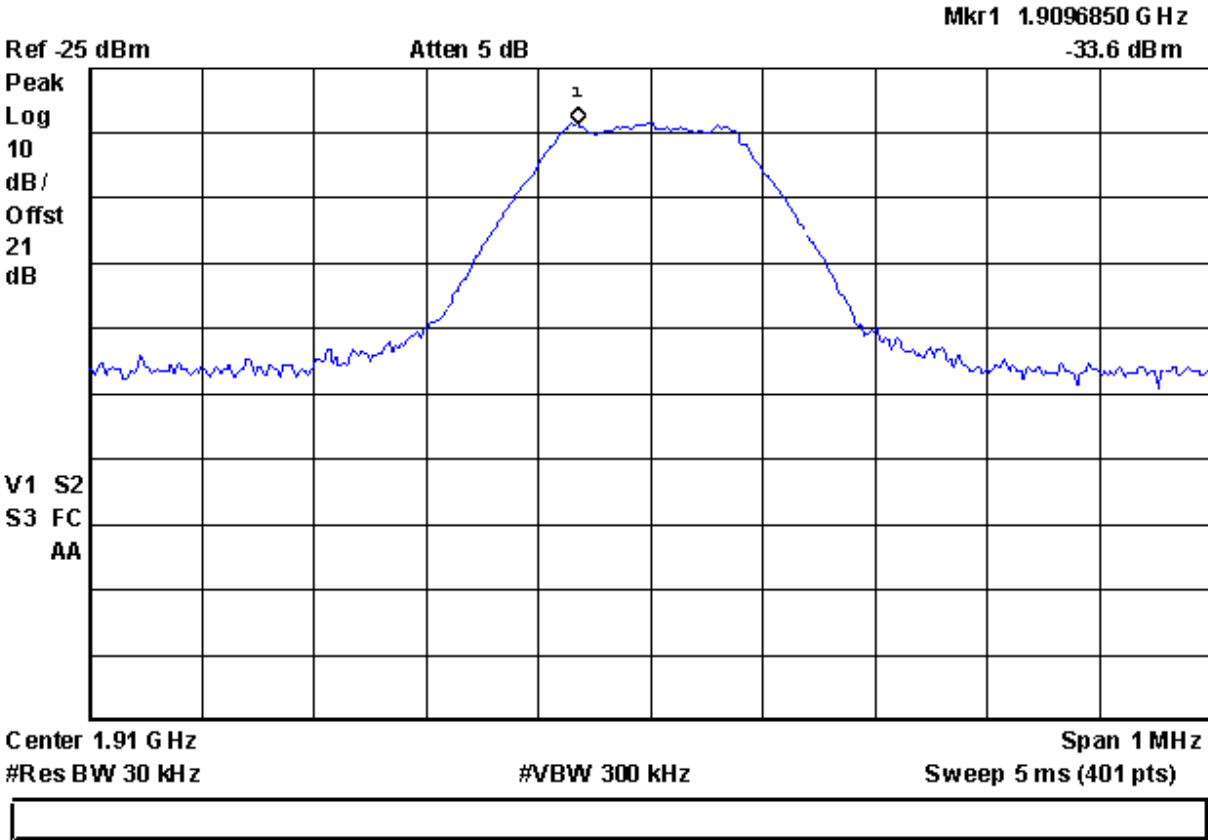


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNCB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink GSM 1909.800 MHz - Output			

Agilent 14:16:37 Jun 1, 2007

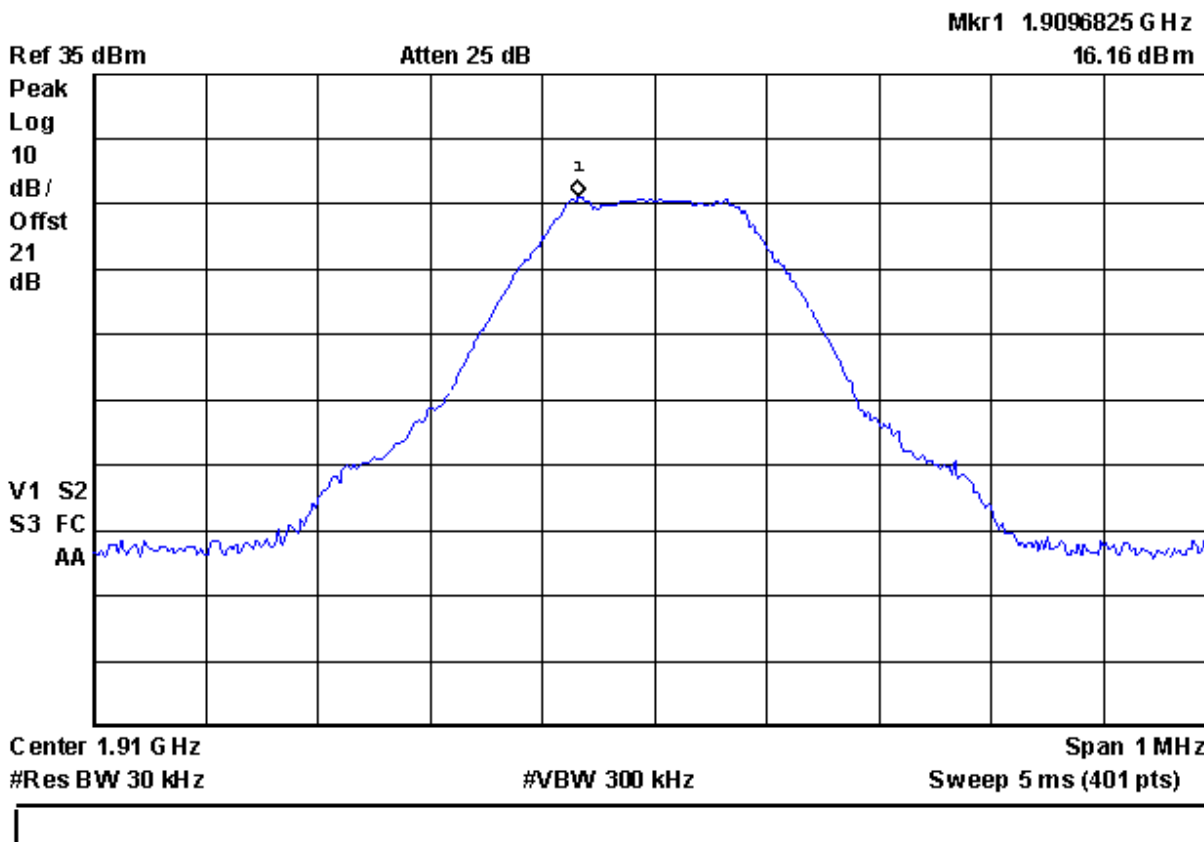
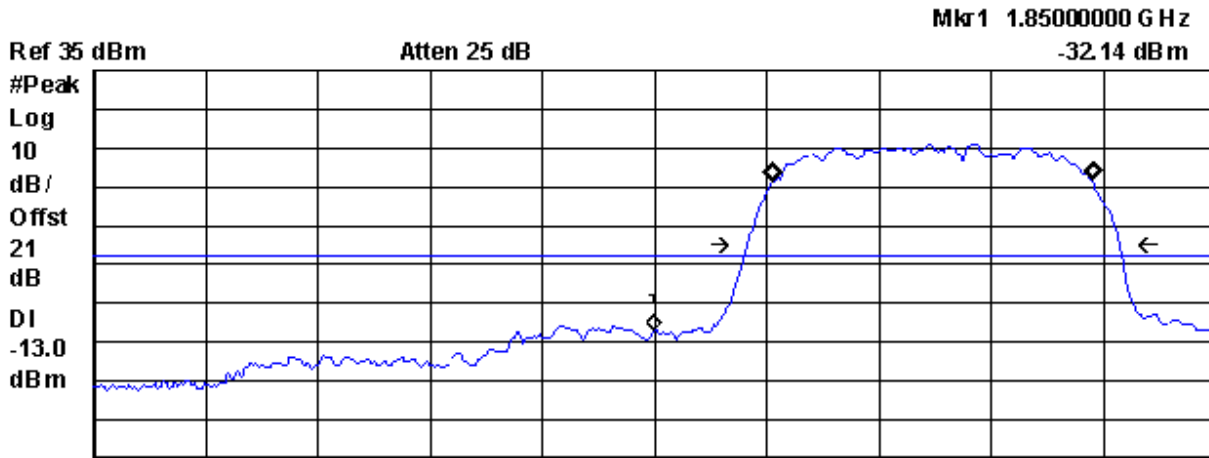


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number:	78116	Date:	1 Jun 2007
	Customer:	Janizary Holdings, Inc.		
	Model Number:	CBHP1900		
	Description:	RF amplifier		
			Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
		Uplink TDMA 1850.020 MHz		

Agilent 14:49:24 Jun 1, 2007



Center 1.85 GHz #Res BW 1 kHz #VBW 10 kHz Span 100 kHz
 Sweep 100.3 ms (401 pts)


Occupied Bandwidth
 28.4286 kHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error 24.694 kHz
 x dB Bandwidth 33.295 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier				
	Uplink TDMA 1850.020 MHz - Output			

Agilent 14:59:29 Jun 1, 2007

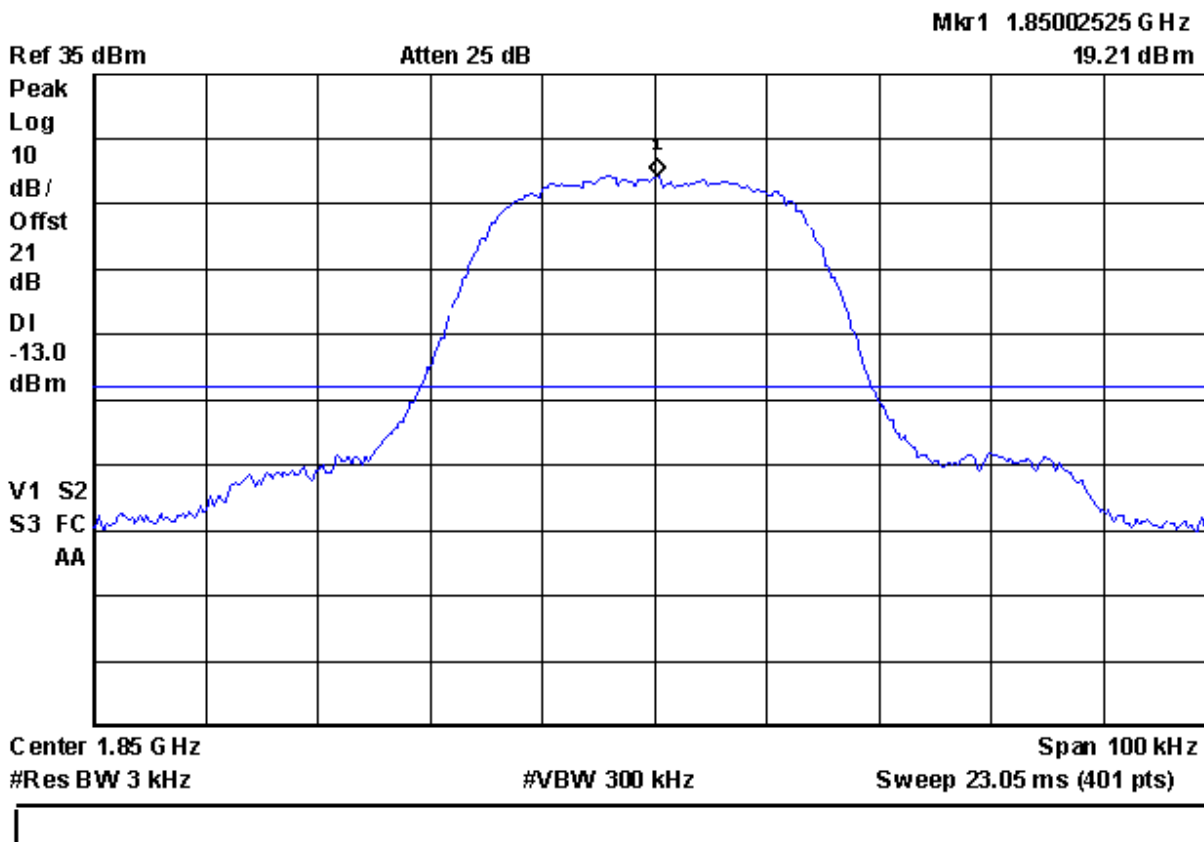

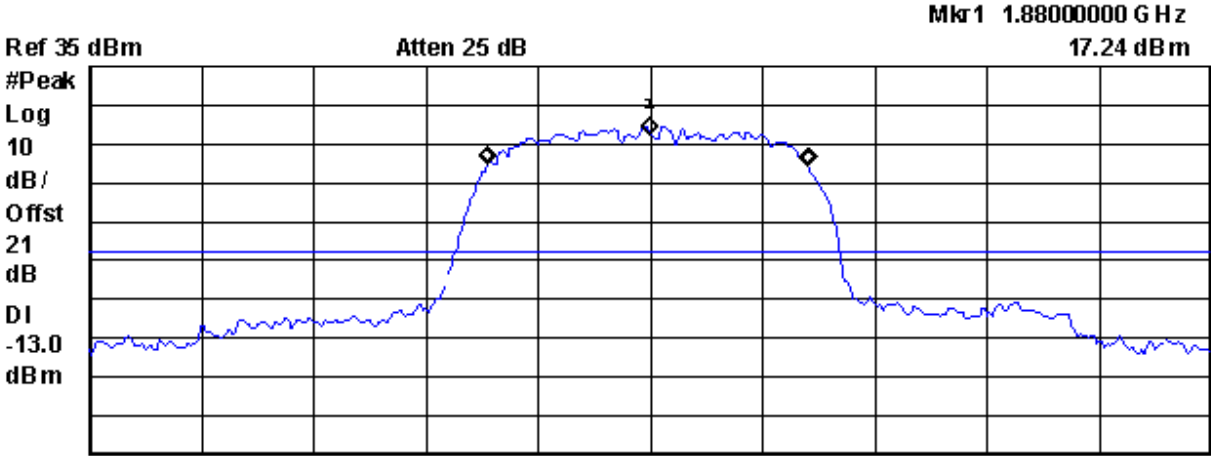


FIGURE 6: OCCUPIED BANDWIDTH

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
DNB Job Number: 78116		Date: 1 Jun 2007		Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.					
Model Number: CBHP1900					
Description: RF amplifier					
		Uplink TDMA 1880 MHz			

Agilent 14:50:05 Jun 1, 2007



Center 1.88 GHz Span 100 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 100.3 ms (401 pts)

Occupied Bandwidth
 28.5643 kHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -226.533 Hz
 x dB Bandwidth 33.242 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNR Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink TDMA 1880 MHz - Input			

Agilent 15:14:30 Jun 1, 2007

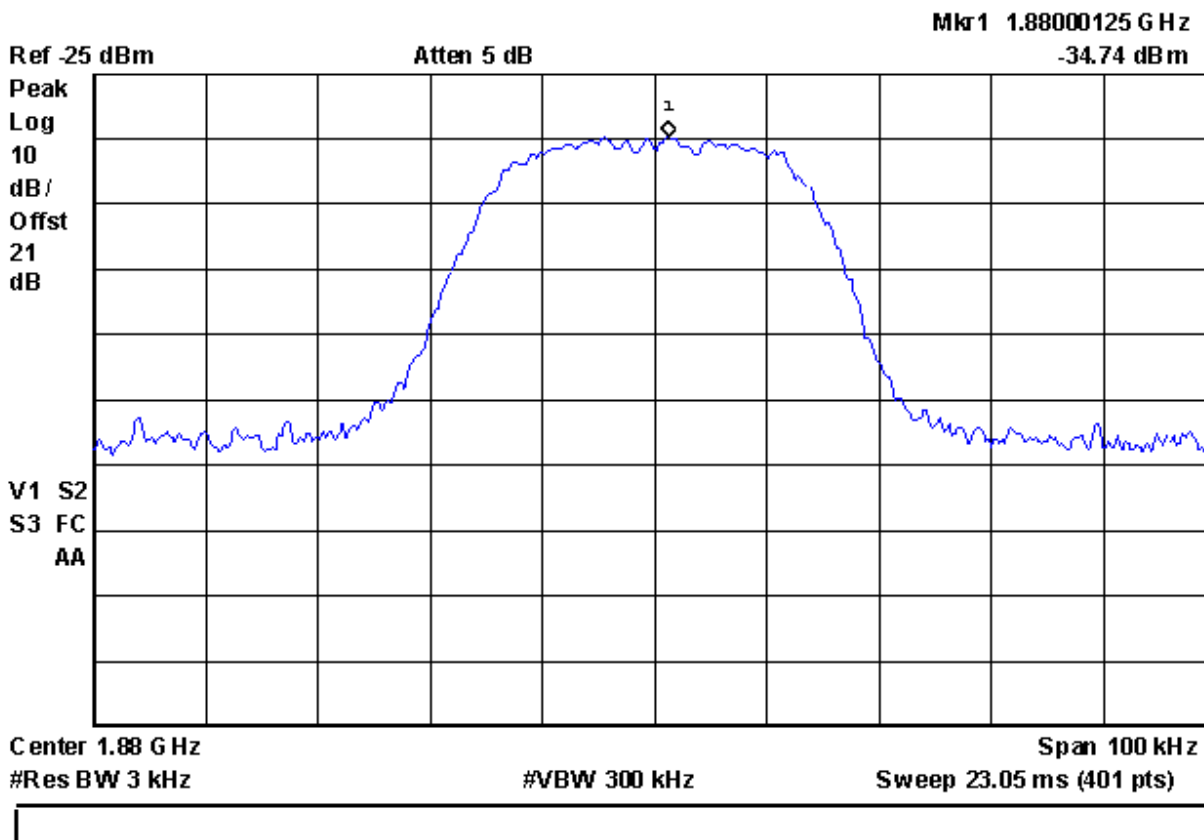



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards	
Customer: Janizary Holdings, Inc.			<input checked="" type="checkbox"/> IC RSS-131	
Model Number: CBHP1900			<input checked="" type="checkbox"/> FCC Part 24	
Description: RF amplifier				
	Uplink TDMA 1880 MHz - Output			

Agilent 15:00:12 Jun 1, 2007

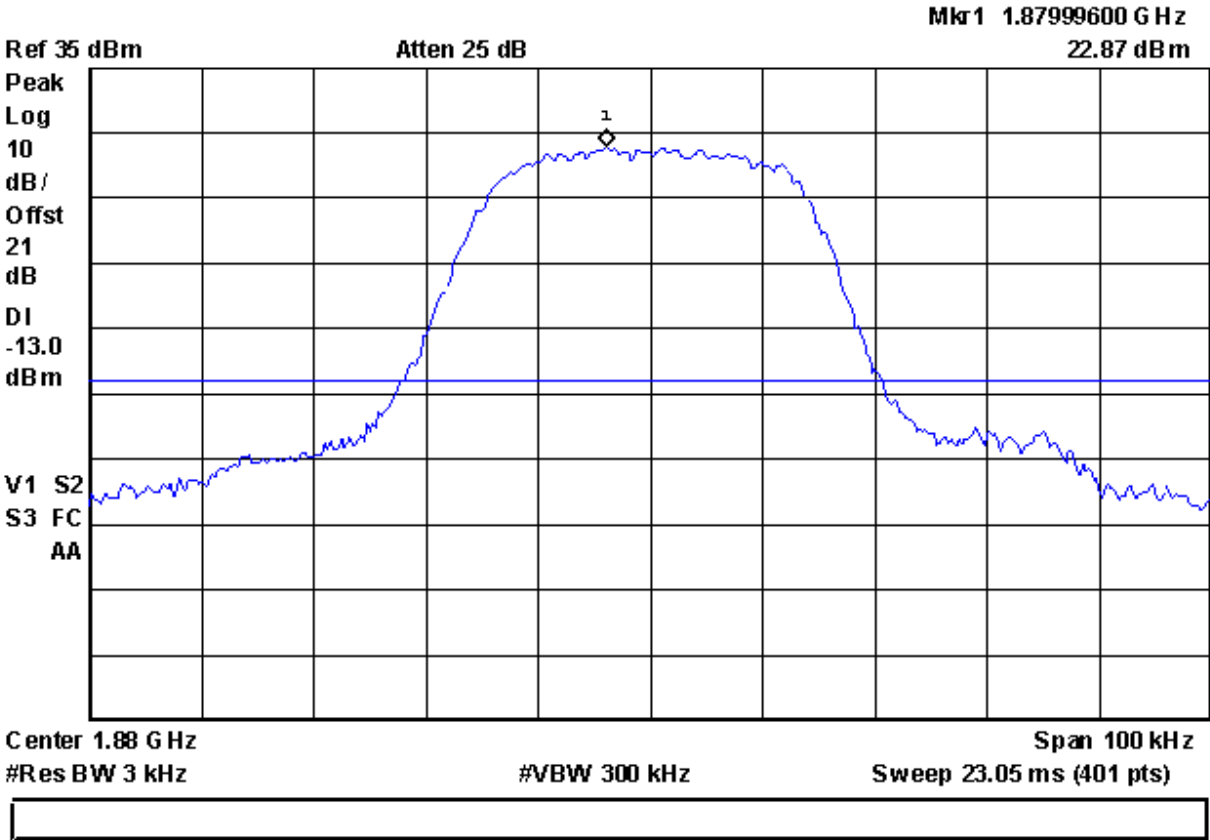

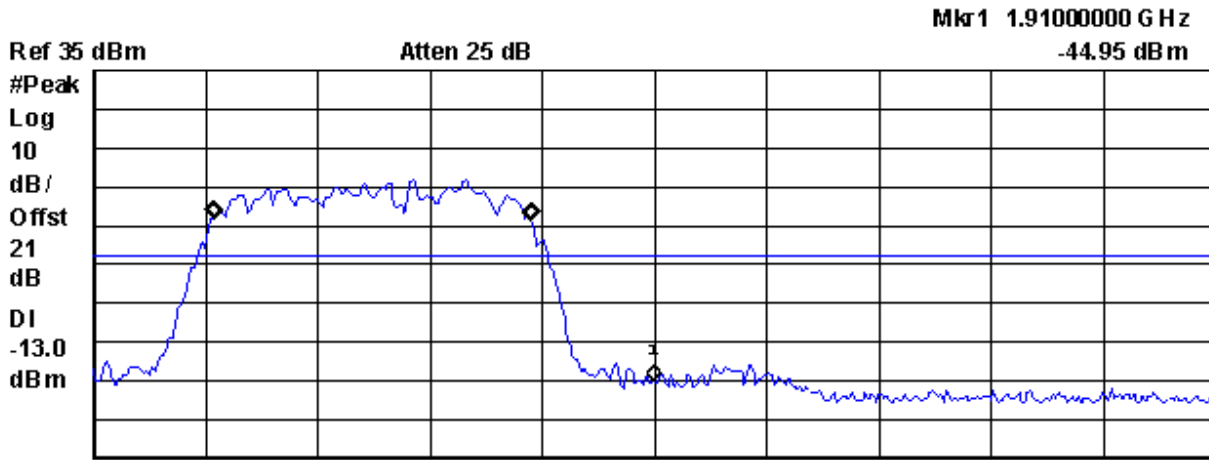


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink TDMA 1909.980 MHz			

* Agilent 14:50:58 Jun 1, 2007



Center 1.91 GHz #Res BW 1 kHz #VBW 10 kHz Sweep 100.3 ms (401 pts) Span 100 kHz

Occupied Bandwidth
28.3060 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -25.164 kHz
x dB Bandwidth 32.827 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier				
	Uplink TDMA 1909.980 MHz - Input			

* Agilent 15:15:18 Jun 1, 2007

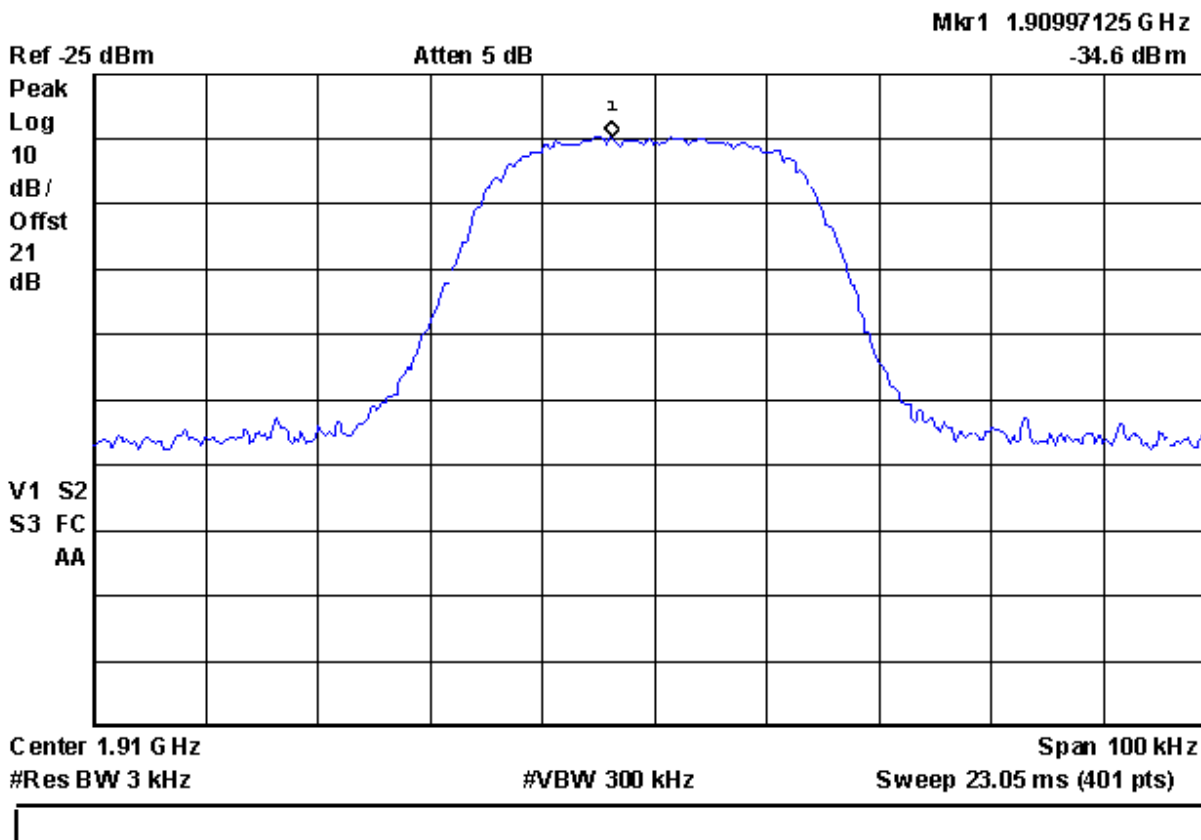



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		<input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Uplink TDMA 1909.980 MHz - Output		

* Agilent 15:01:15 Jun 1, 2007

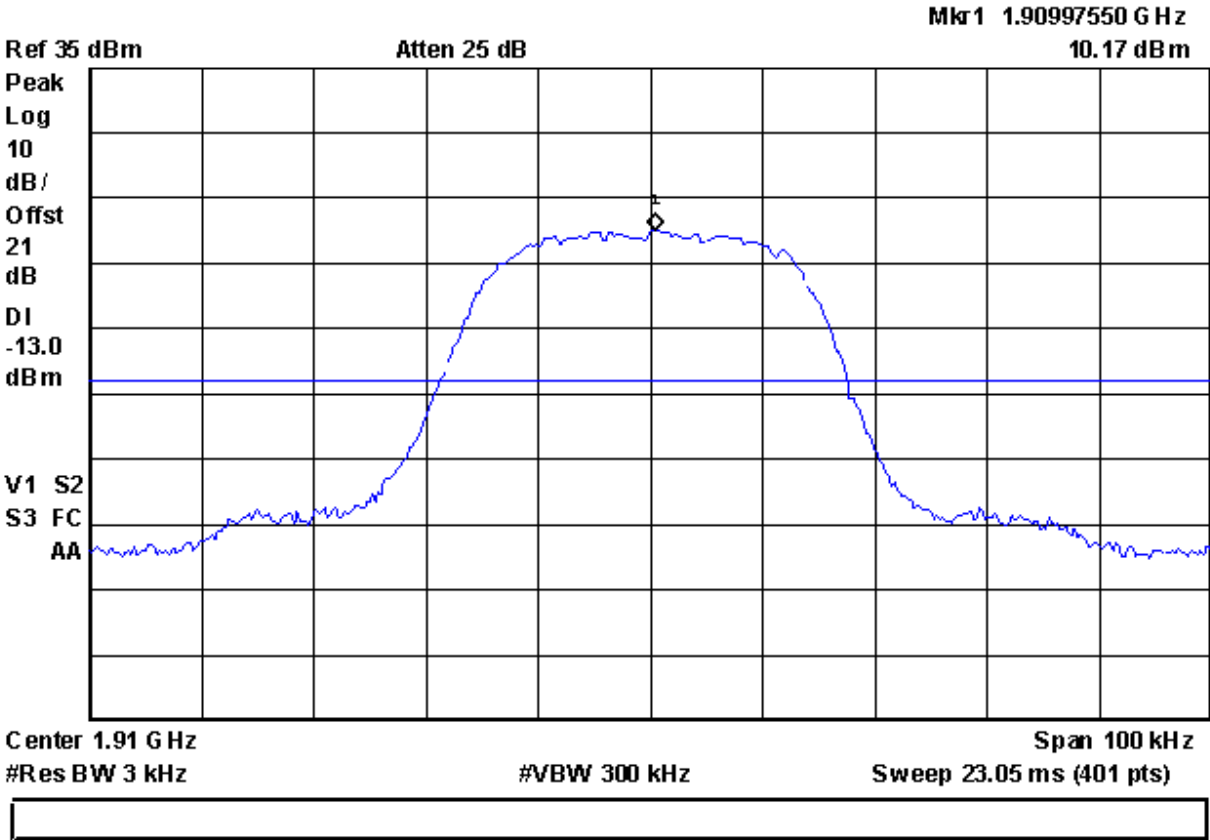

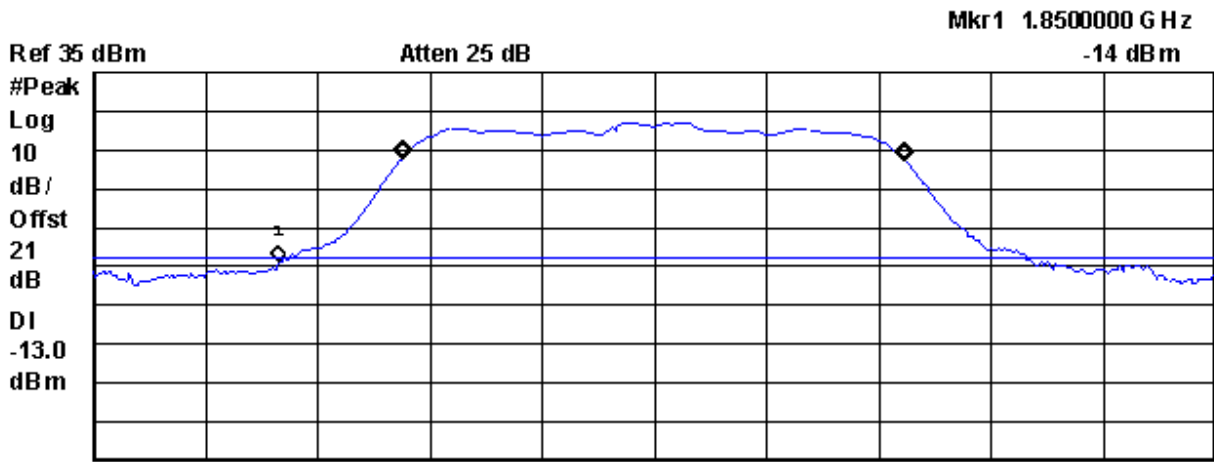


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Occupied Bandwidth	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink CDMA 1851 MHz				

* Agilent 16:35:08 Jun 1, 2007



Center 1.851 GHz Span 3 MHz
 #Res BW 100 kHz VBW 1 MHz Sweep 5 ms (401 pts)


Occupied Bandwidth
1.3466 MHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -2.667 kHz
 x dB Bandwidth 1.611 MHz



FIGURE 6: OCCUPIED BANDWIDTH

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
DNE Job Number:	78116	Date:	1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer:	Janizary Holdings, Inc.				
Model Number:	CBHP1900				
Description:	RF amplifier				
	Uplink CDMA 1851 MHz - Input				

* Agilent 16:15:41 Jun 1, 2007

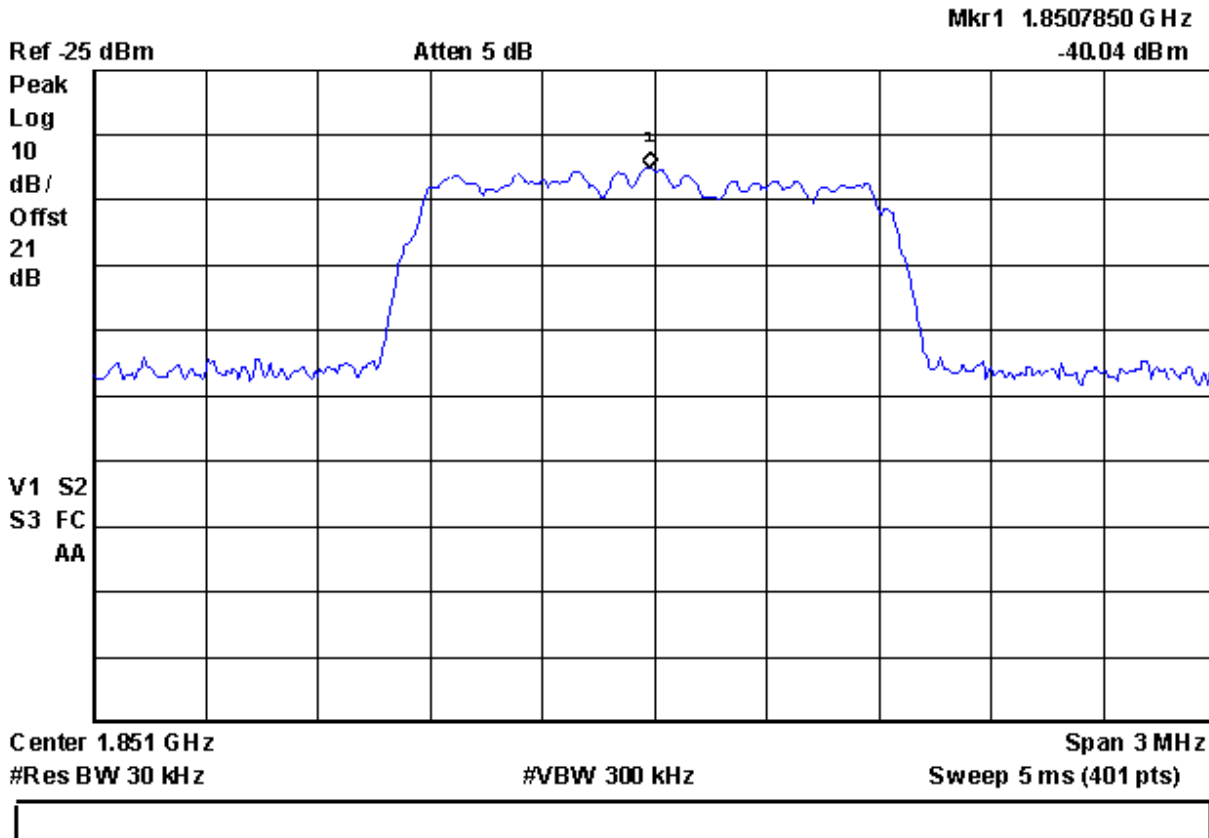



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date: 1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink CDMA 1851 MHz - Output		

Agilent 16:19:22 Jun 1, 2007

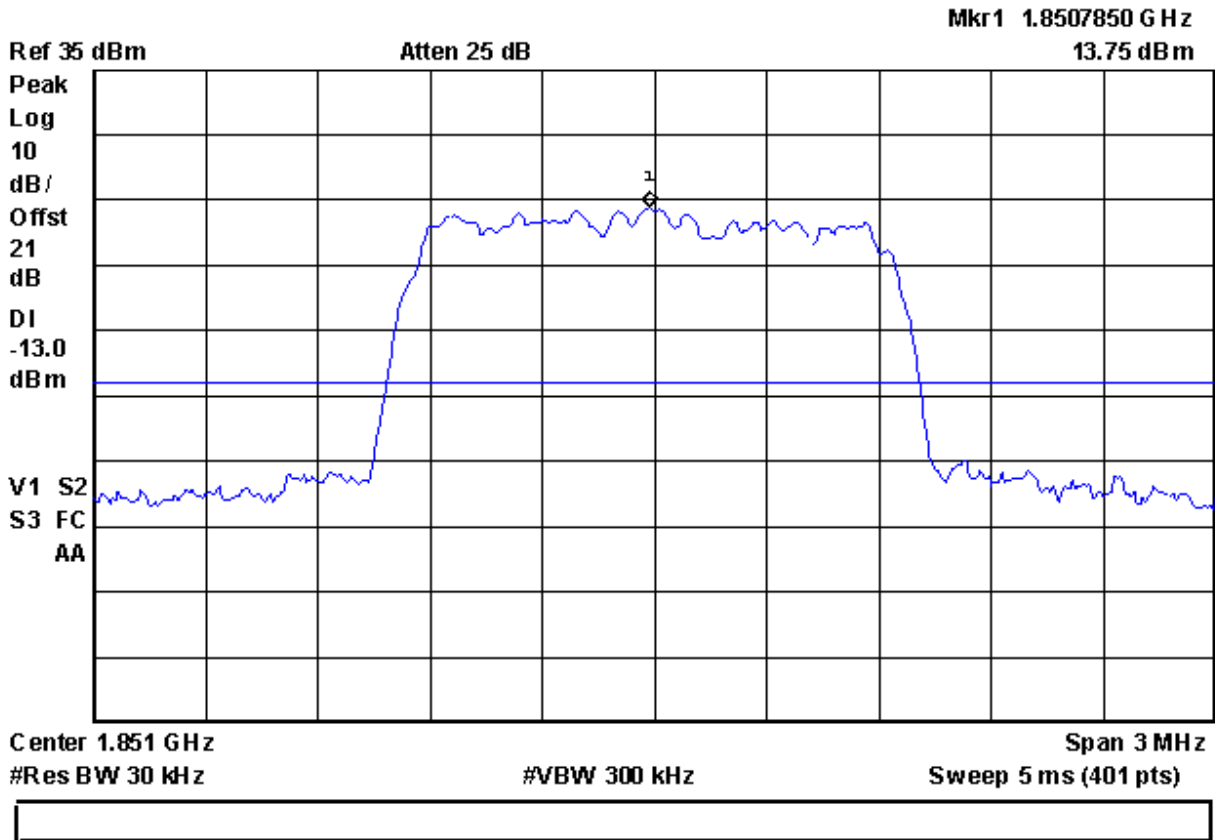

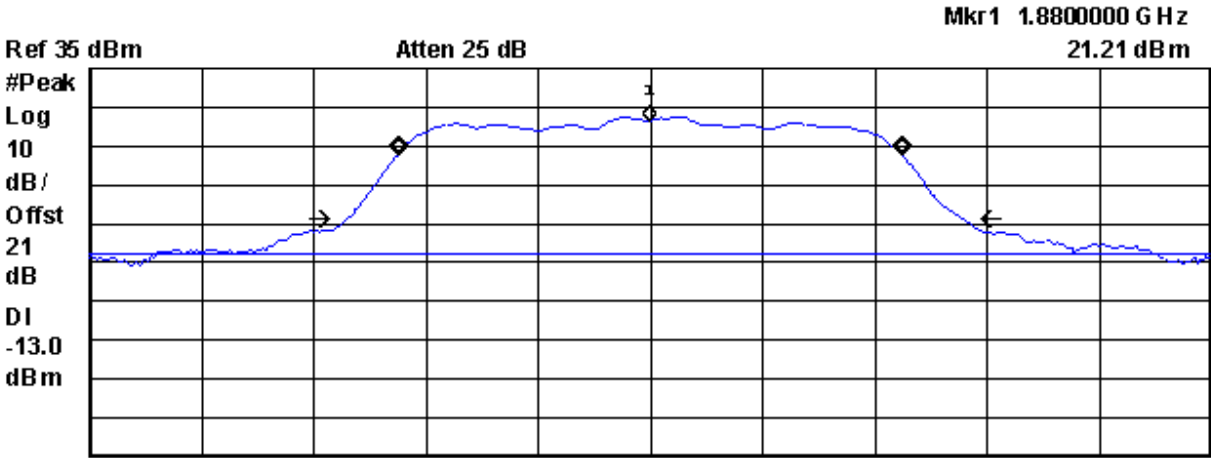


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Uplink CDMA 1880 MHz	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	

Agilent 16:37:00 Jun 1, 2007



Center 1.88 GHz Span 3 MHz
 #Res BW 100 kHz VBW 1 MHz Sweep 5 ms (401 pts)


Occupied Bandwidth
 1.3512 MHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -275.758 Hz
 x dB Bandwidth 1.643 MHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Modulation Characteristics</h3>		
	DNB Job Number:	78116	Date:	1 Jun 2007	
	Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
	Model Number:	CBHP1900			
Description:	RF amplifier				
	Uplink CDMA 1880 MHz - Input				

Agilent 16:16:15 Jun 1, 2007

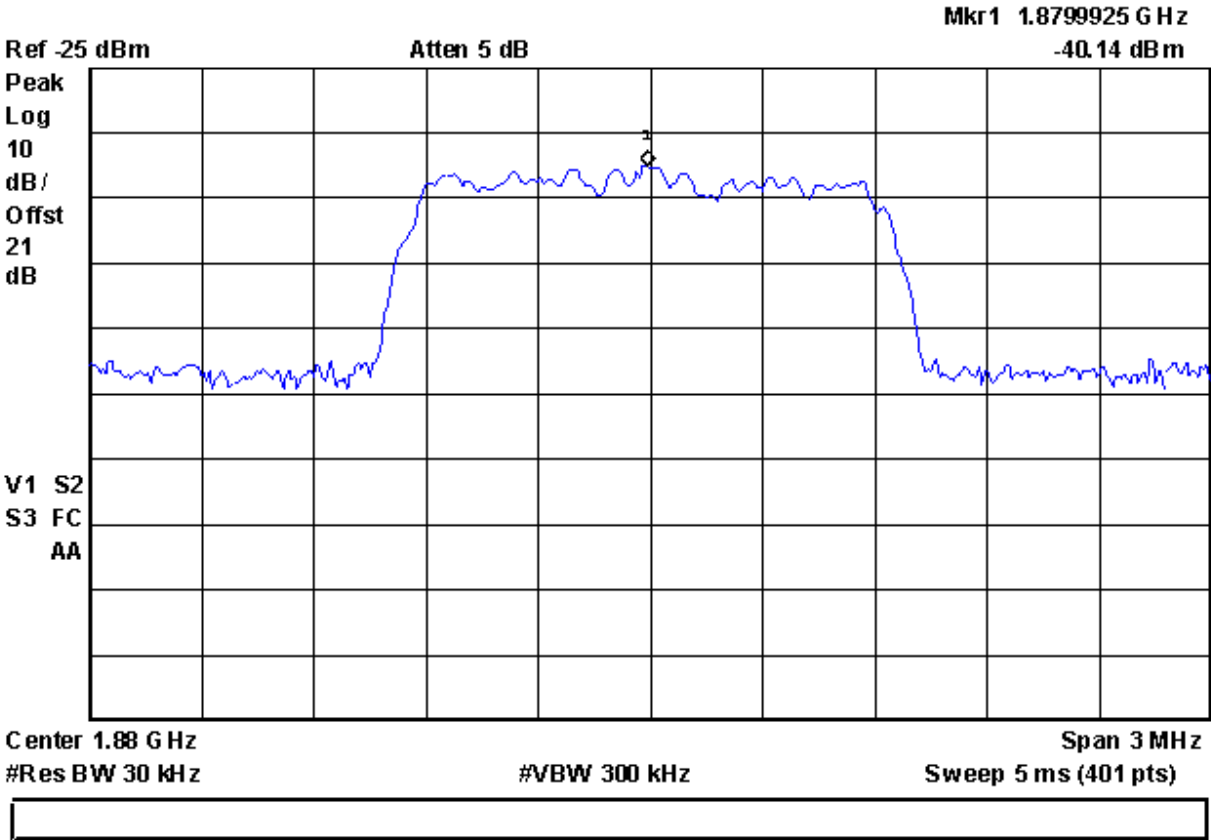



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Uplink CDMA 1880 MHz - Output	Date: 1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	

* Agilent 16:19:59 Jun 1, 2007

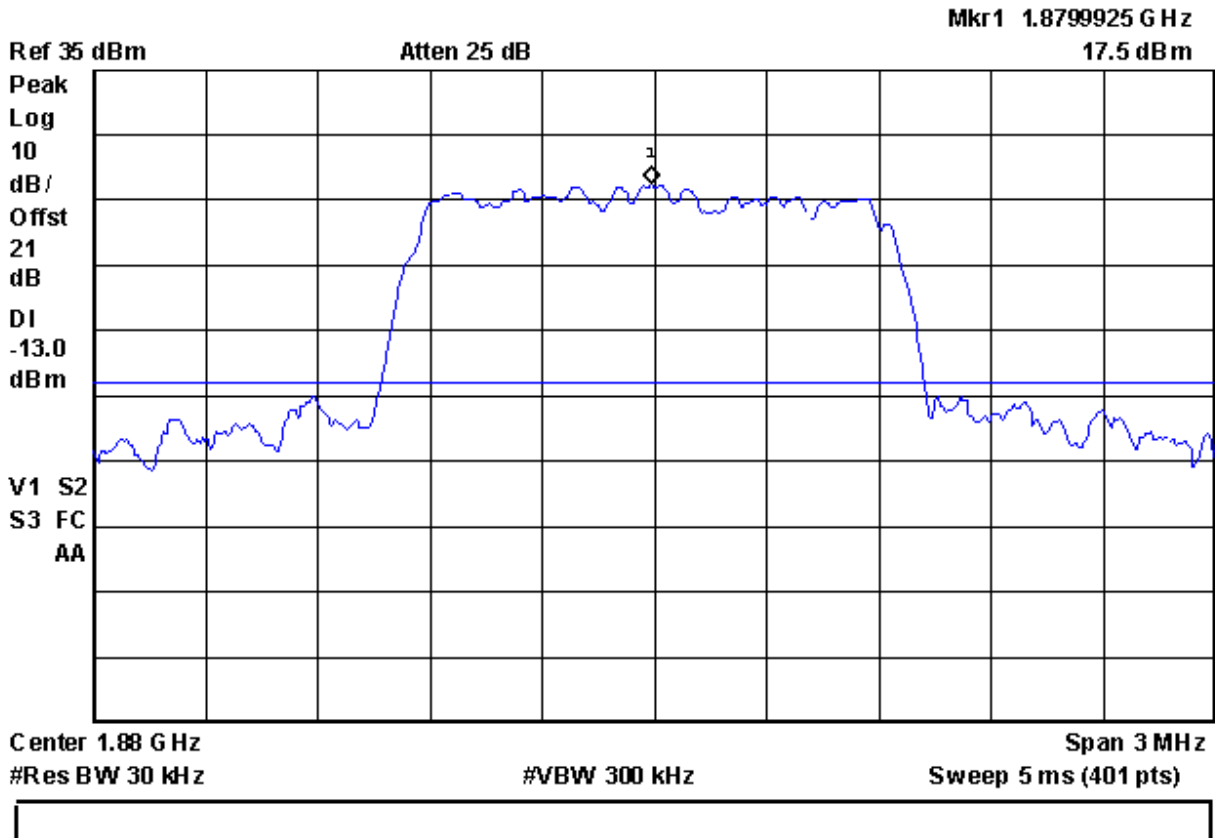
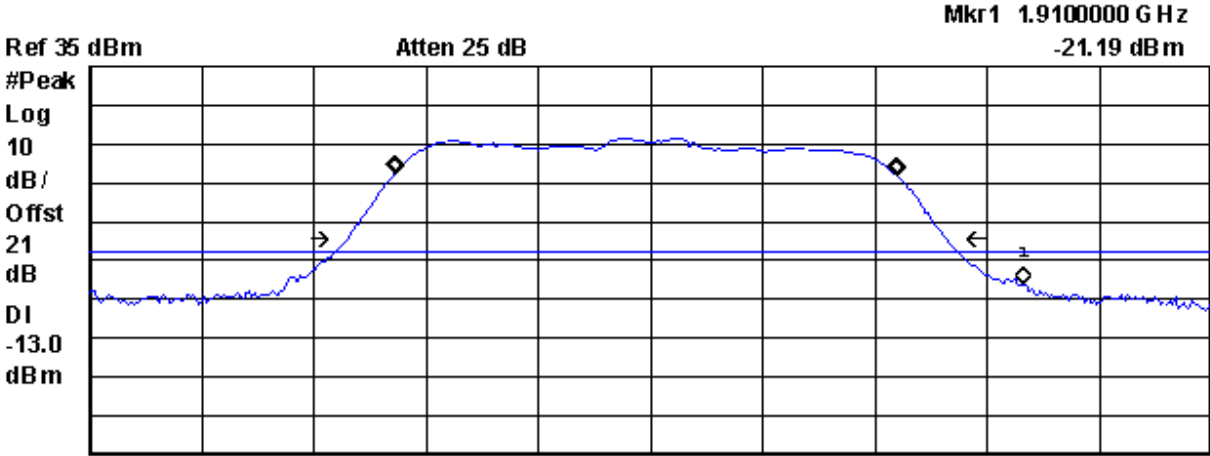


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Occupied Bandwidth		
	DNB Job Number:	78116	Date:	1 Jun 2007	
	Customer:	Janizary Holdings, Inc.			Conformance Standards
	Model Number:	CBHP1900			
	Description:	RF amplifier			
	Uplink CDMA 1909 MHz				
			[X] IC RSS-131	[X] FCC Part 24	

Agilent 16:38:13 Jun 1, 2007




Center 1.909 GHz Span 3 MHz
 #Res BW 100 kHz VBW 1 MHz Sweep 5 ms (401 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 1.3444 MHz x dB -26.00 dB

Transmit Freq Error -12.253 kHz
 x dB Bandwidth 1.604 MHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date: 1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink CDMA 1909 MHz - Input		

* Agilent 16:17:05 Jun 1, 2007

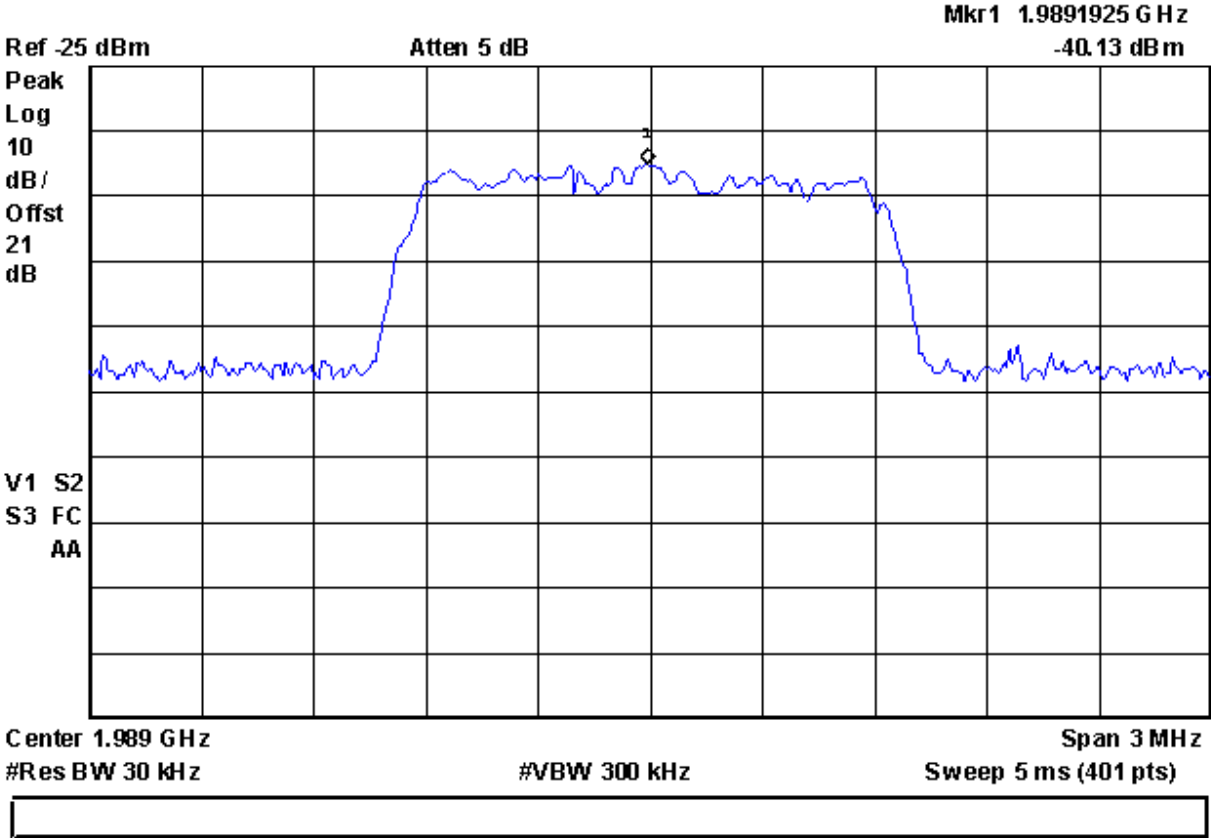


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer: Janizary Holdings, Inc.	Model Number: CBHP1900			
Description: RF amplifier	Uplink CDMA 1909 MHz - Output			

* Agilent 16:22:44 Jun 1, 2007

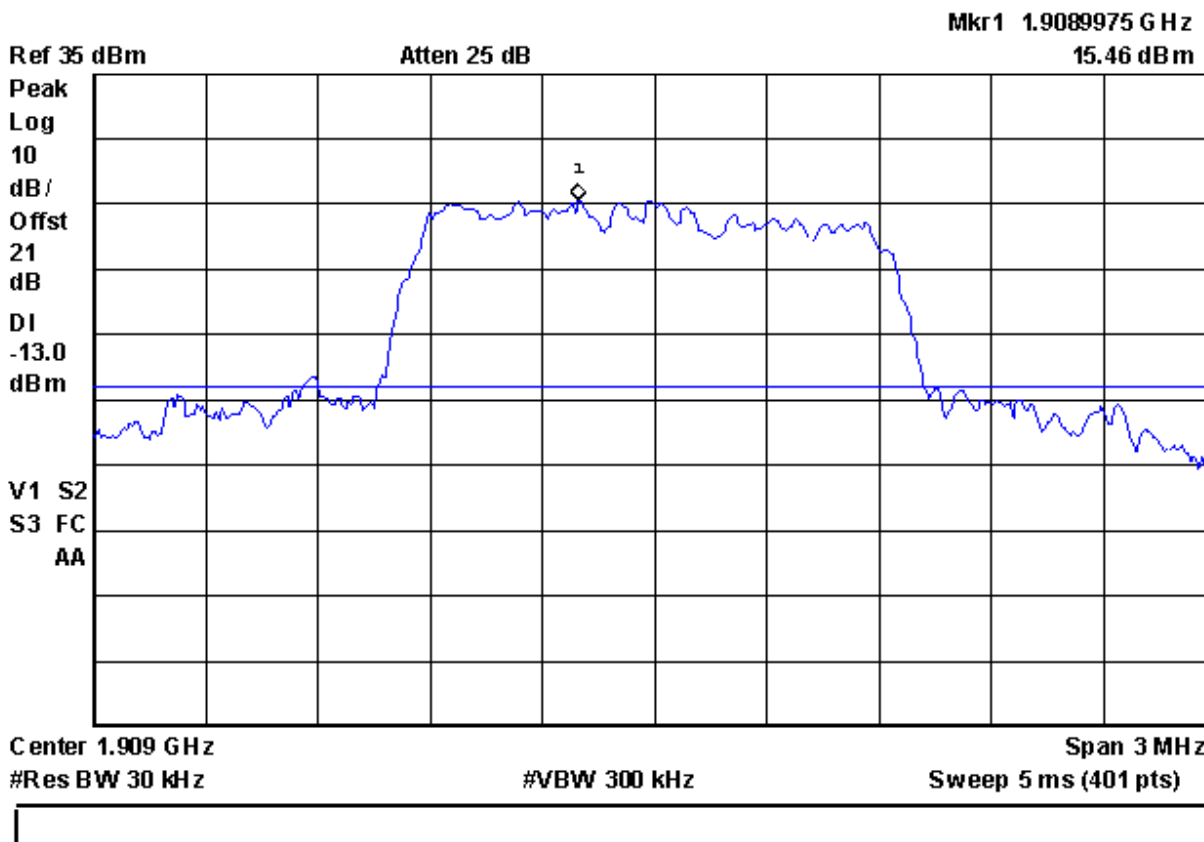

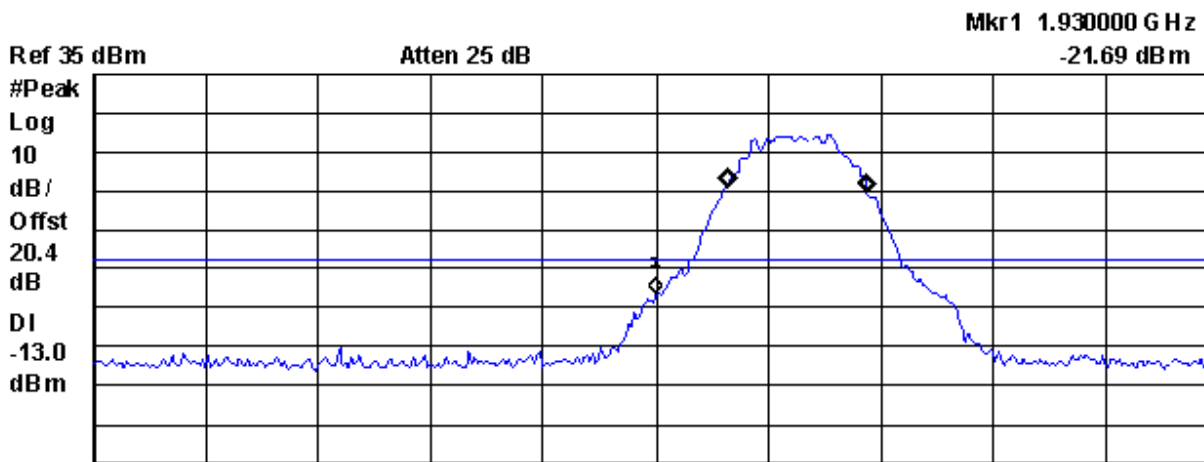


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Occupied Bandwidth	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink GSM 1930.250 MHz				

Agilent 11:00:17 May 24, 2007



Center 1.93 GHz #Res BW 30 kHz VBW 300 kHz Span 2 MHz Sweep 5 ms (401 pts)

Occupied Bandwidth
251.7846 kHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error 248.435 kHz
 x dB Bandwidth 339.944 kHz

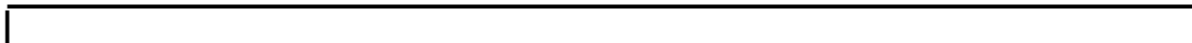


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Downlink GSM 1930.250 MHz - Input		

* Agilent 12:38:39 May 24, 2007

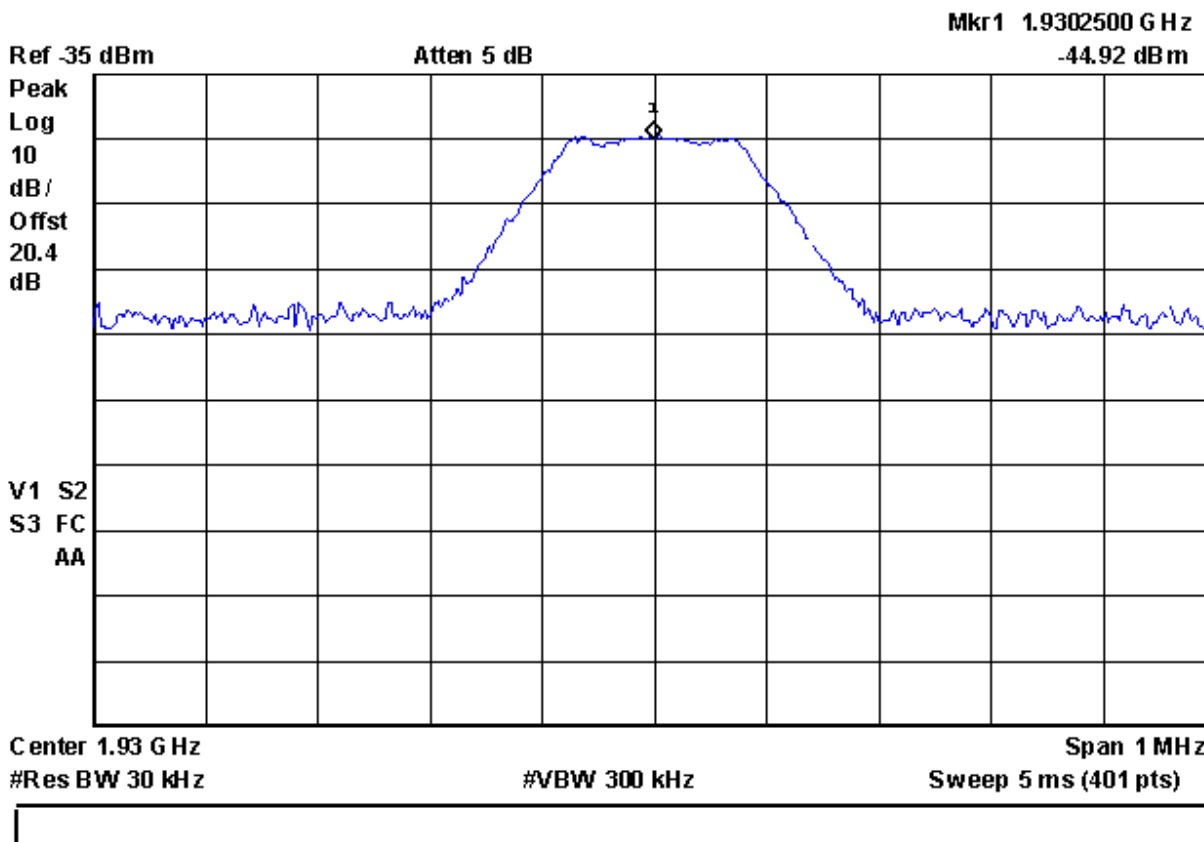


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Downlink GSM 1930.250 MHz - Output	Date: 24 May 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	

* Agilent 12:33:27 May 24, 2007

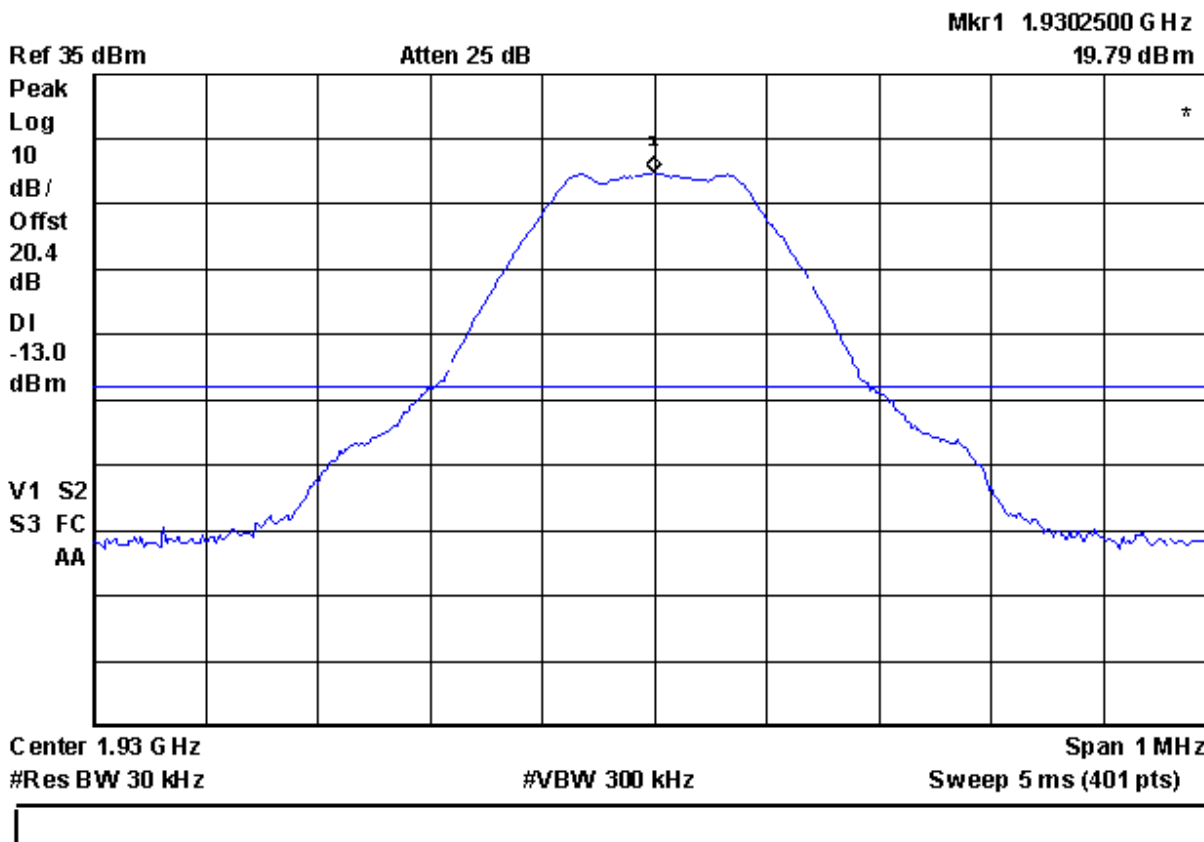

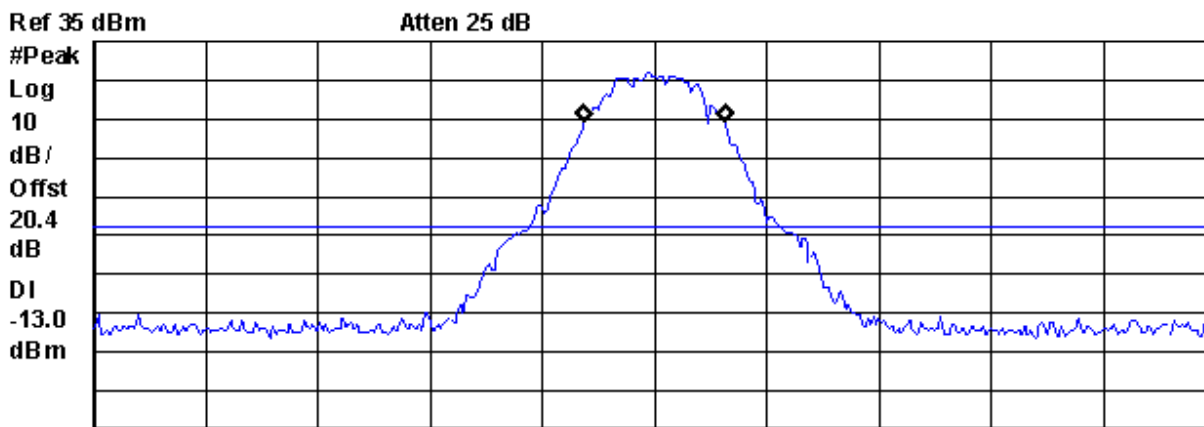


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink GSM 1960 MHz				

Agilent 11:01:23 May 24, 2007



Center 1.96 GHz Span 2 MHz
 #Res BW 30 kHz VBW 300 kHz Sweep 5 ms (401 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 251.3480 kHz x dB -26.00 dB

Transmit Freq Error -176.786 Hz
 x dB Bandwidth 333.796 kHz

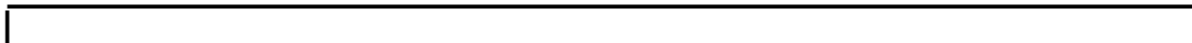


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards [X] IC RSS-131 [X] FCC Part 24
	Downlink GSM 1960 MHz - Input		

* Agilent 12:39:26 May 24, 2007

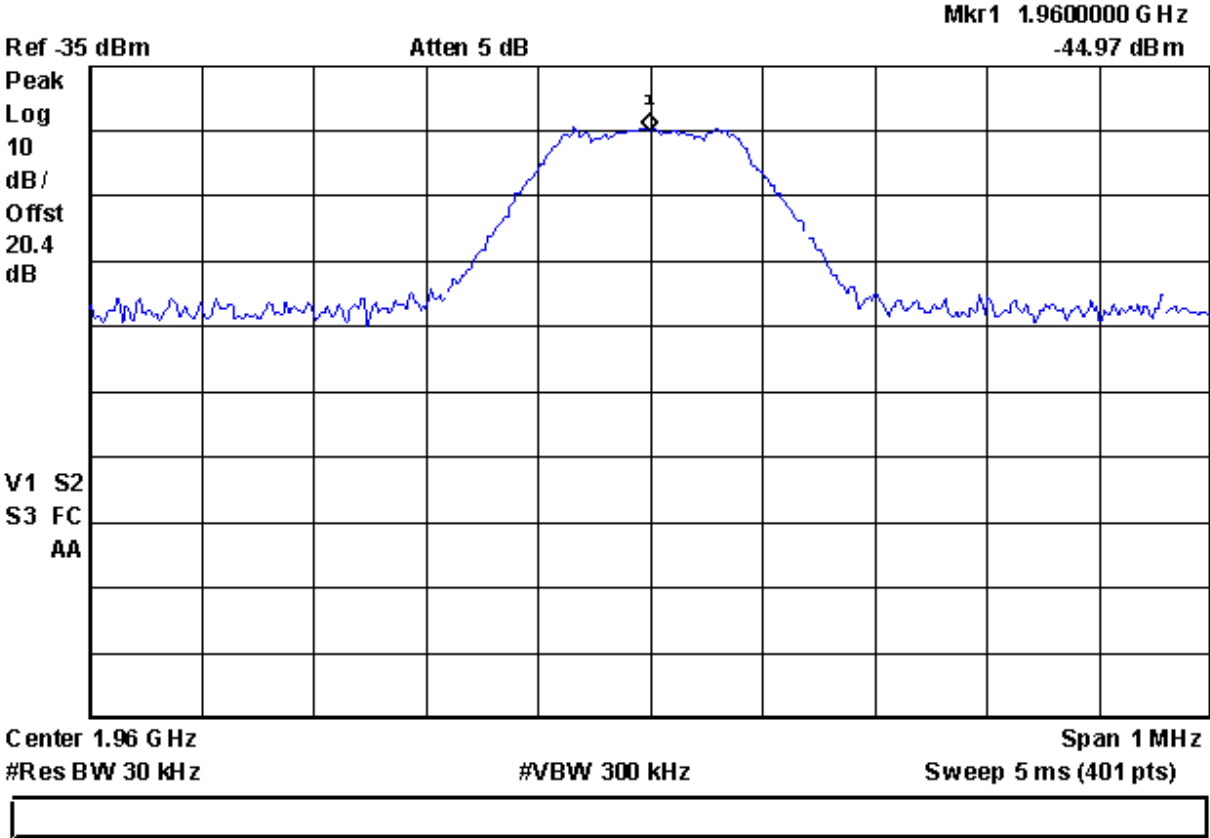



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink GSM 1960 MHz - Output		

Agilent 12:34:57 May 24, 2007

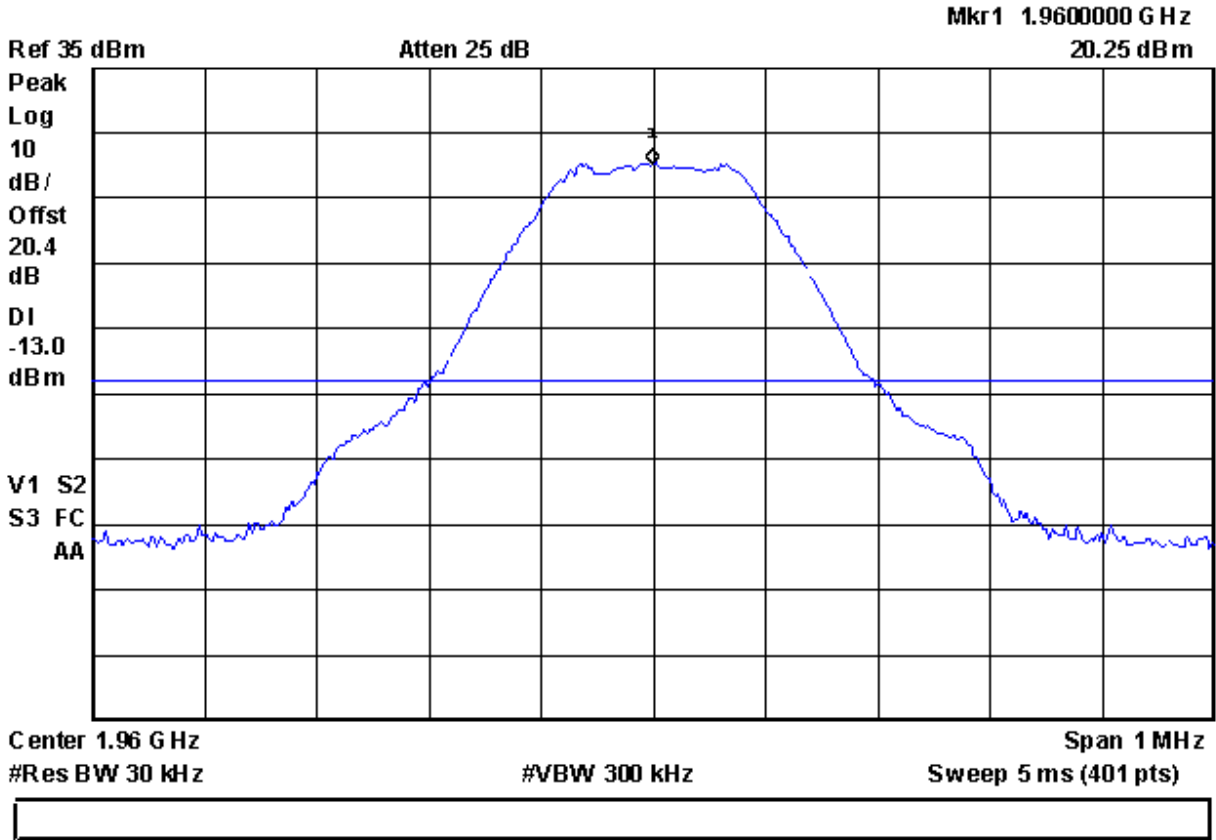

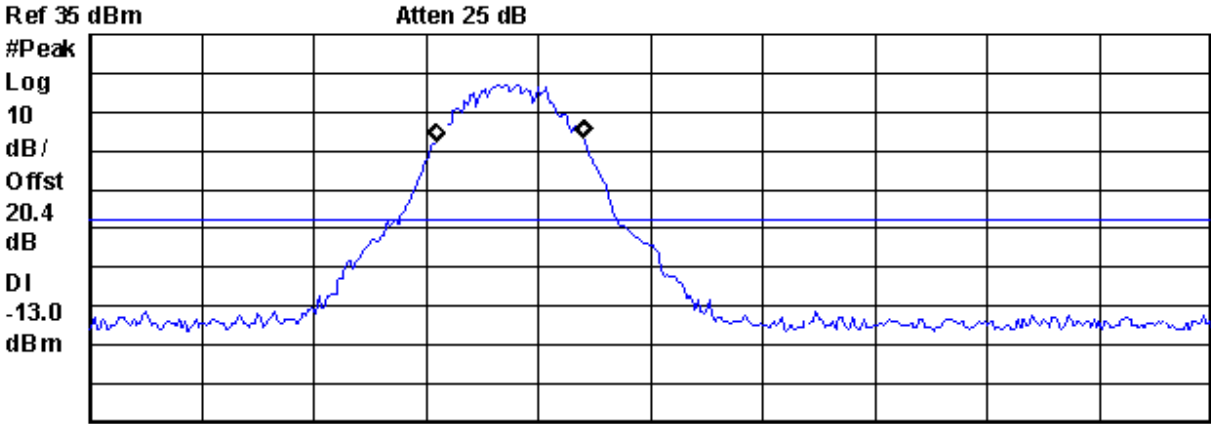


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Occupied Bandwidth	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Downlink GSM 1989.750 MHz	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	

* Agilent 11:10:25 May 24, 2007




Occupied Bandwidth
 259.3658 kHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -250.272 kHz
 x dB Bandwidth 340.271 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink GSM 1989.750 MHz - Output		

Agilent 12:35:46 May 24, 2007

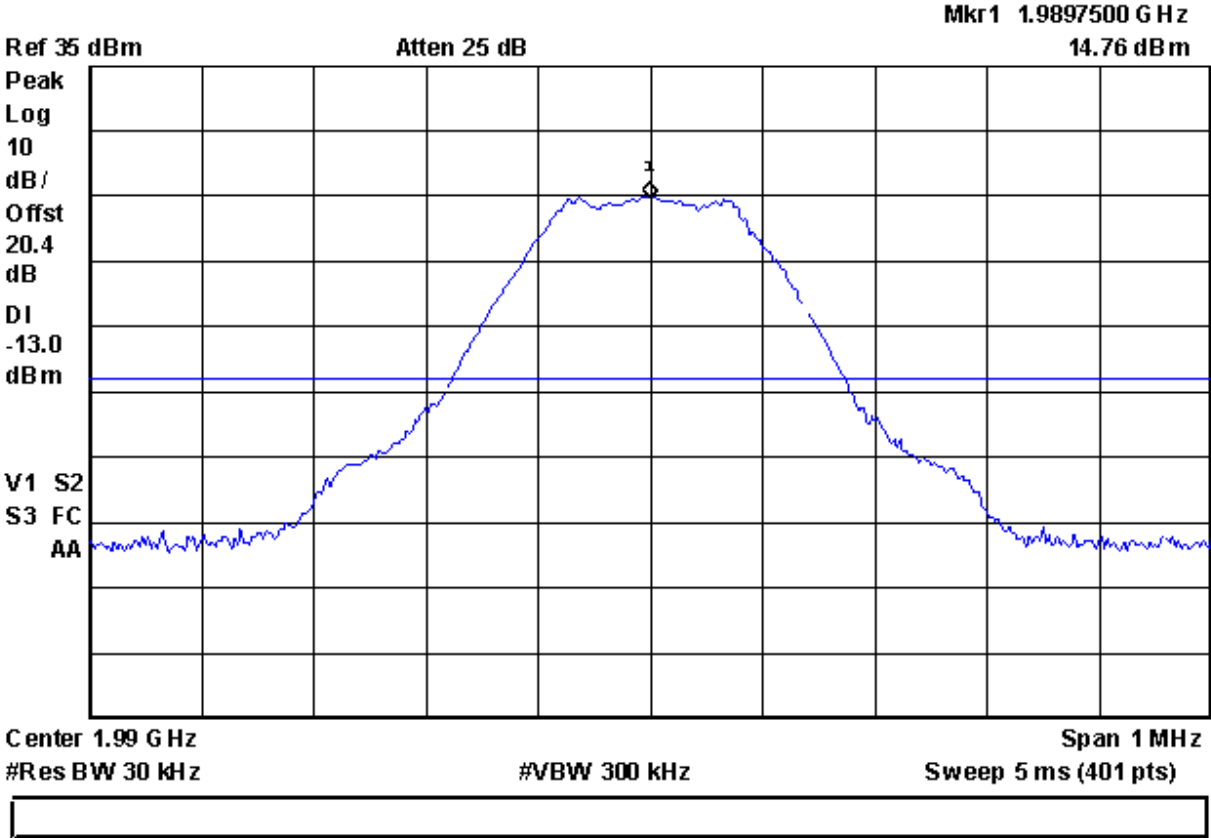

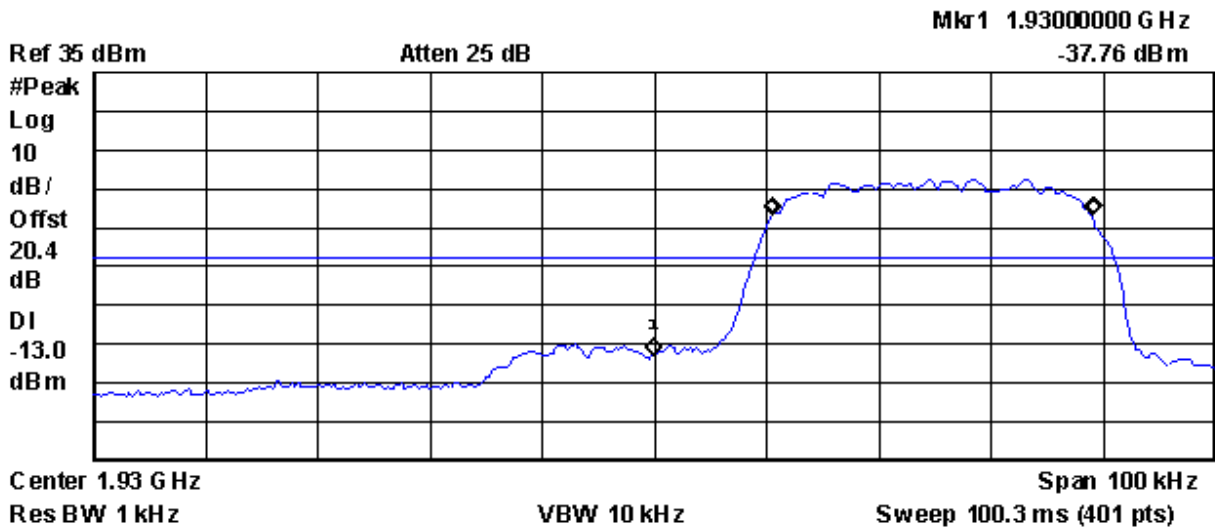


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Downlink TDMA 1930.020 MHz	Date: 24 May 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	

Agilent 14:17:29 May 24, 2007




Occupied Bandwidth Occ BW % Pwr 99.00 %
28.4019 kHz x dB -26.00 dB

Transmit Freq Error 24.683 kHz
 x dB Bandwidth 33.419 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116			
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Downlink TDMA 1930.020 MHz - Input			

Agilent 14:48:08 May 24, 2007

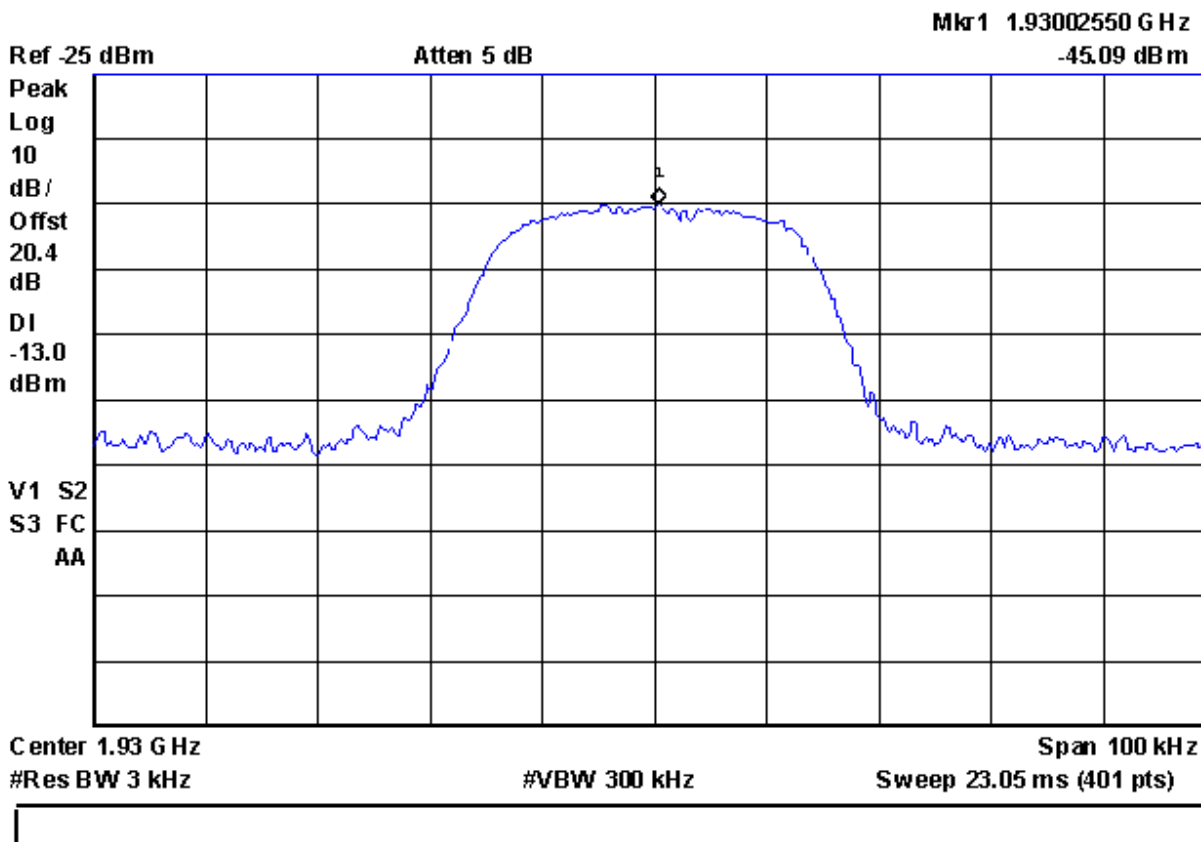



FIGURE 6: OCCUPIED BANDWIDTH

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
DNB Job Number:	78116	Date:	24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer:	Janizary Holdings, Inc.				
Model Number:	CBHP1900				
Description:	RF amplifier				
		Downlink TDMA 1930.020 MHz - Output			

* Agilent 14:28:26 May 24, 2007

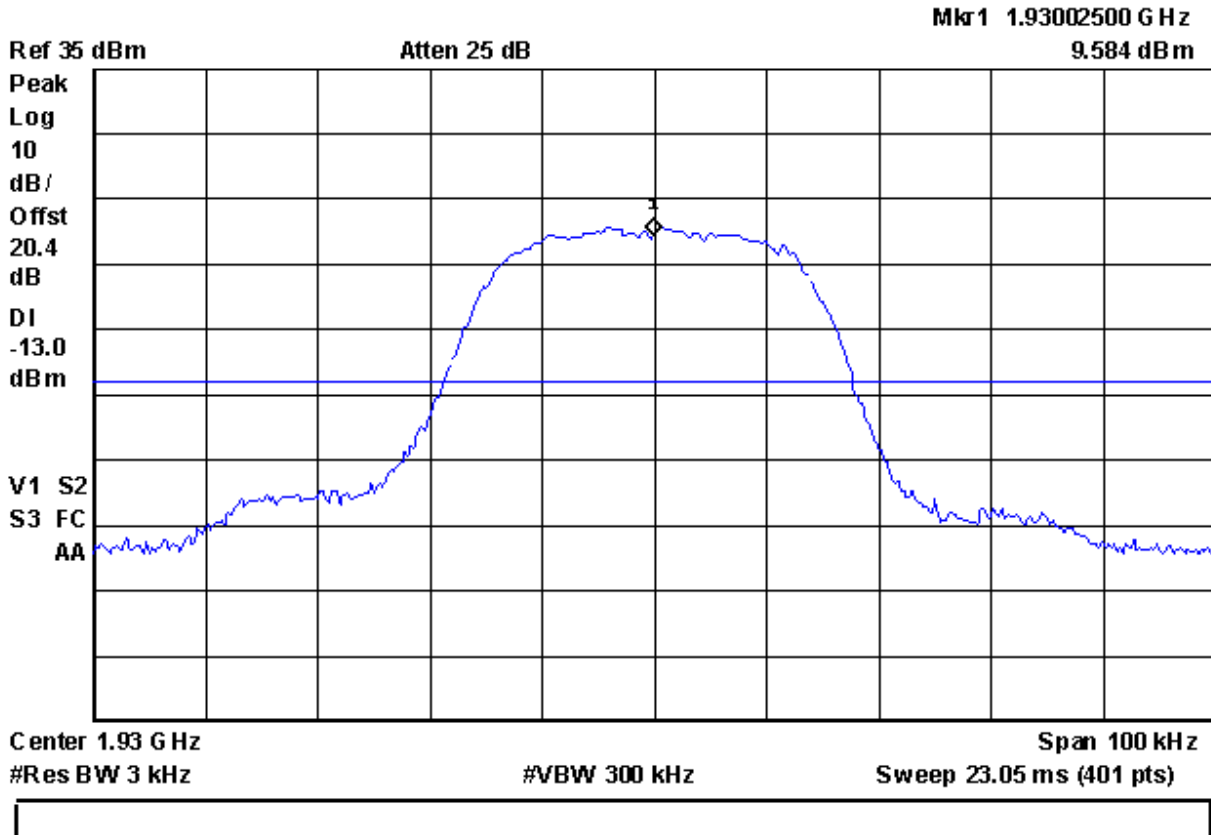

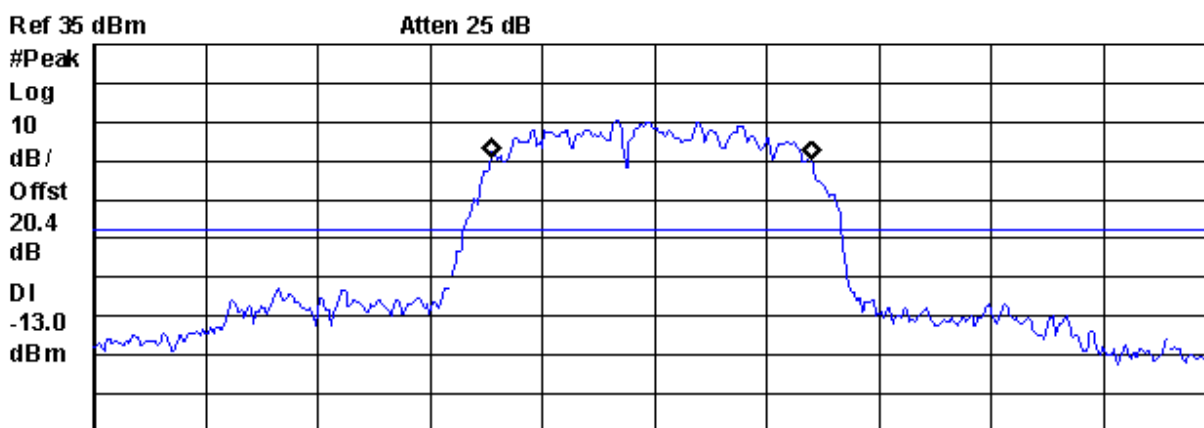


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink TDMA 1960 MHz				

Agilent 14:18:33 May 24, 2007




Center 1.96 GHz Span 100 kHz
 Res BW 1 kHz VBW 10 kHz Sweep 100.3 ms (401 pts)

Occupied Bandwidth Occ BW % Pwr 99.00 %
 28.5607 kHz x dB -26.00 dB

Transmit Freq Error -285.390 Hz
 x dB Bandwidth 33.428 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNR Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Downlink TDMA 1960 MHz - Input		

* Agilent 14:48:52 May 24, 2007

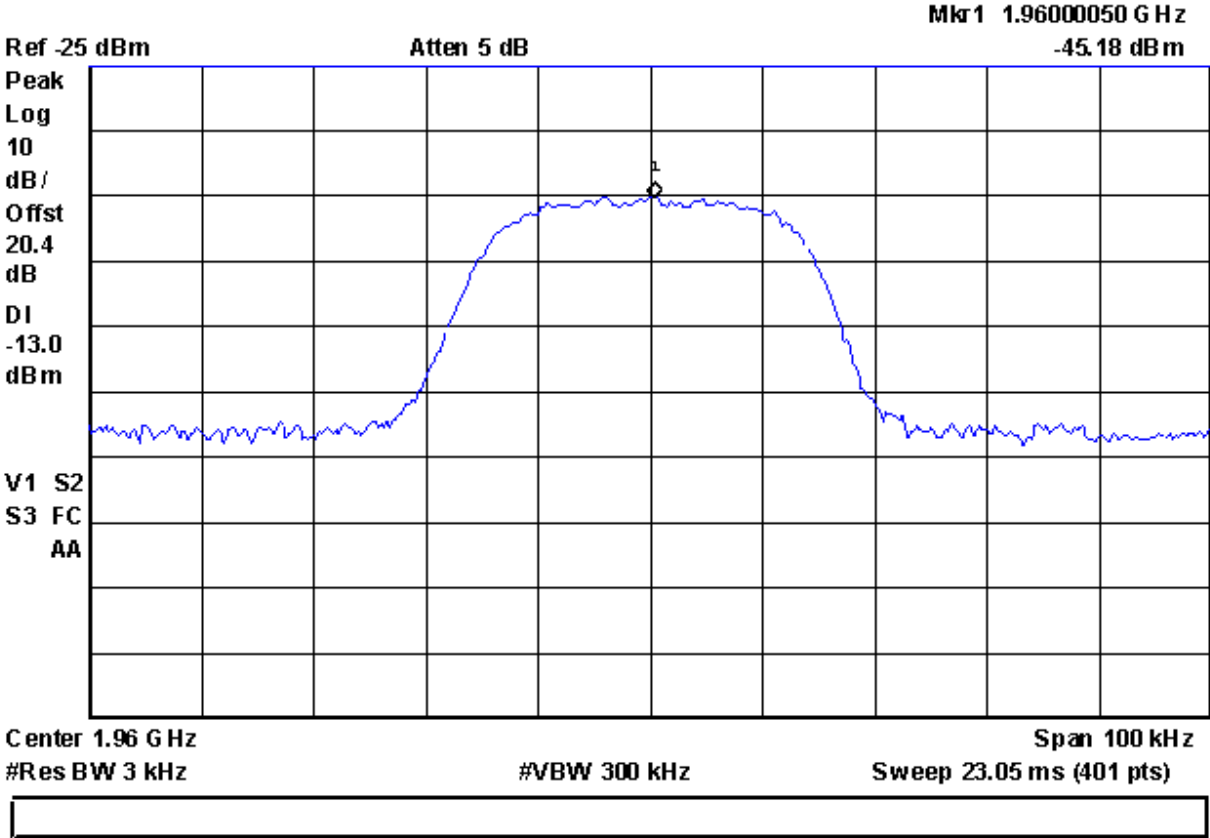



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Downlink TDMA 1960 MHz - Output			

Agilent 14:29:21 May 24, 2007

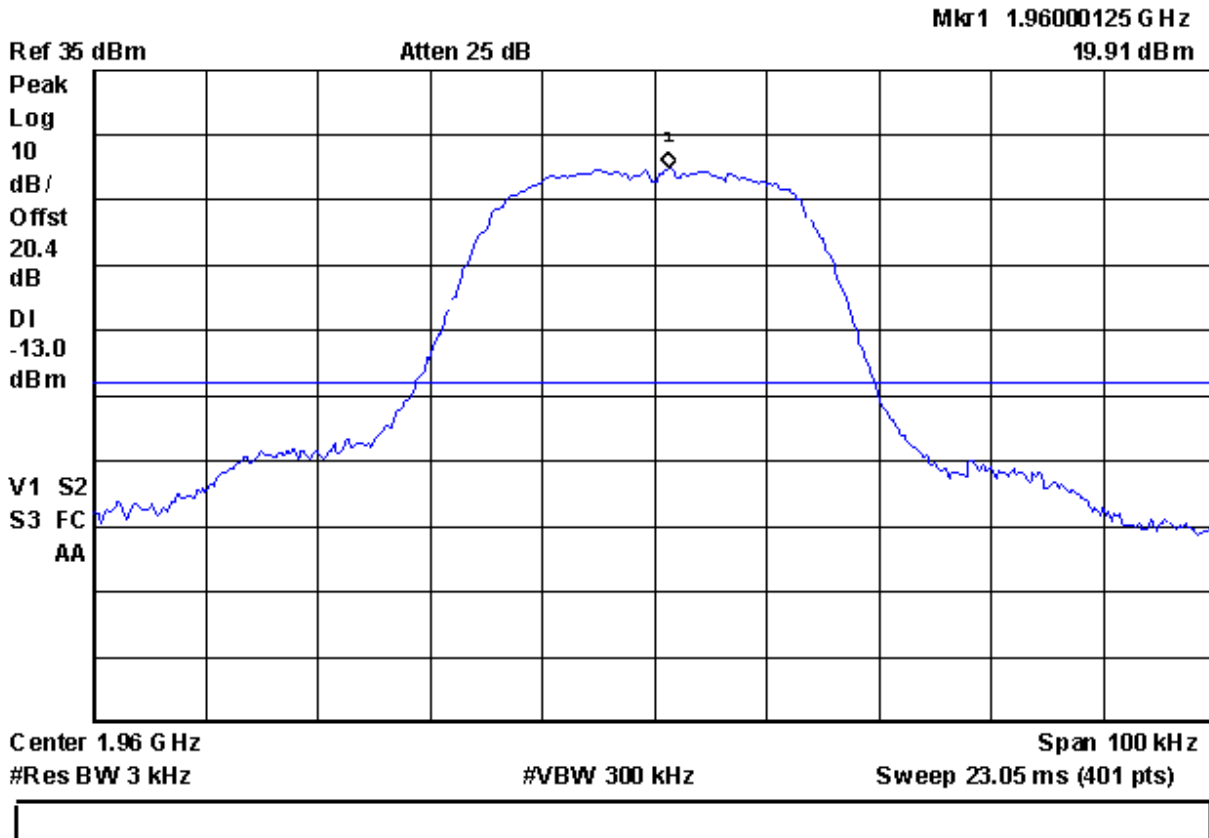



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	<h2 style="margin: 0;">Occupied Bandwidth</h2>	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink TDMA 1989.980 MHz		
Conformance Standards [X] IC RSS-131 [X] FCC Part 24			

Agilent 14:19:39 May 24, 2007

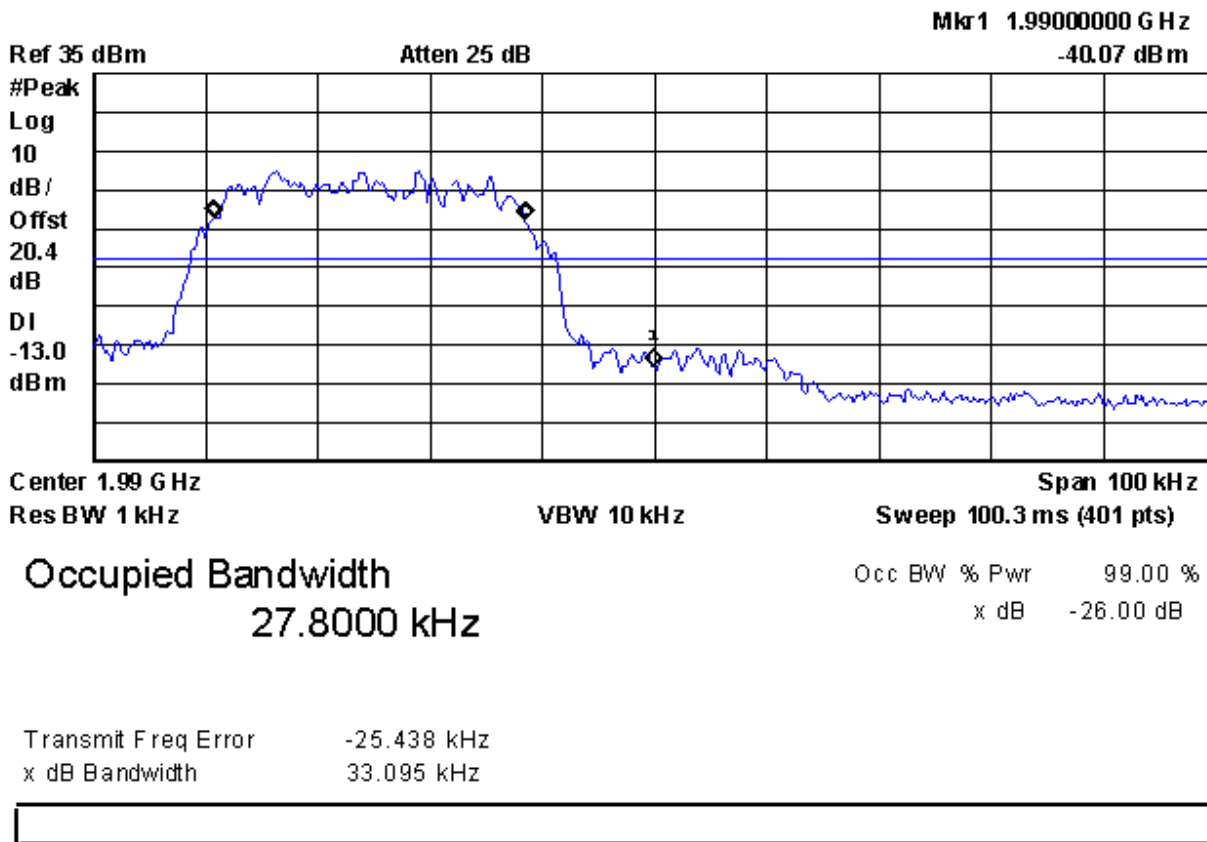



FIGURE 6: OCCUPIED BANDWIDTH

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
DNB Job Number: 78116		Date: 24 May 2007		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer: Janizary Holdings, Inc.					
Model Number: CBHP1900					
Description: RF amplifier Downlink TDMA 1989.980 MHz - Input					

Agilent 14:49:56 May 24, 2007

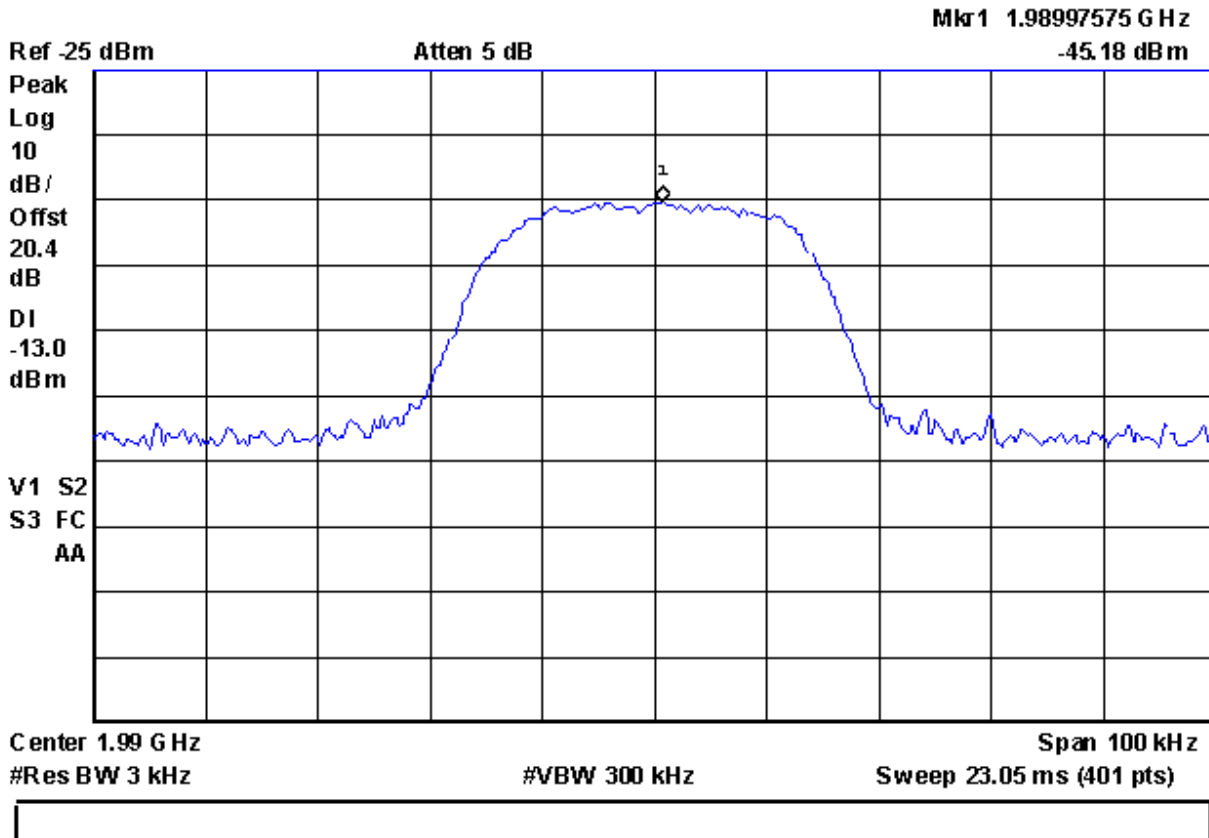



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNR Job Number: 78116	Date: 24 May 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink TDMA 1989.980 MHz - Output				

Agilent 14:30:07 May 24, 2007

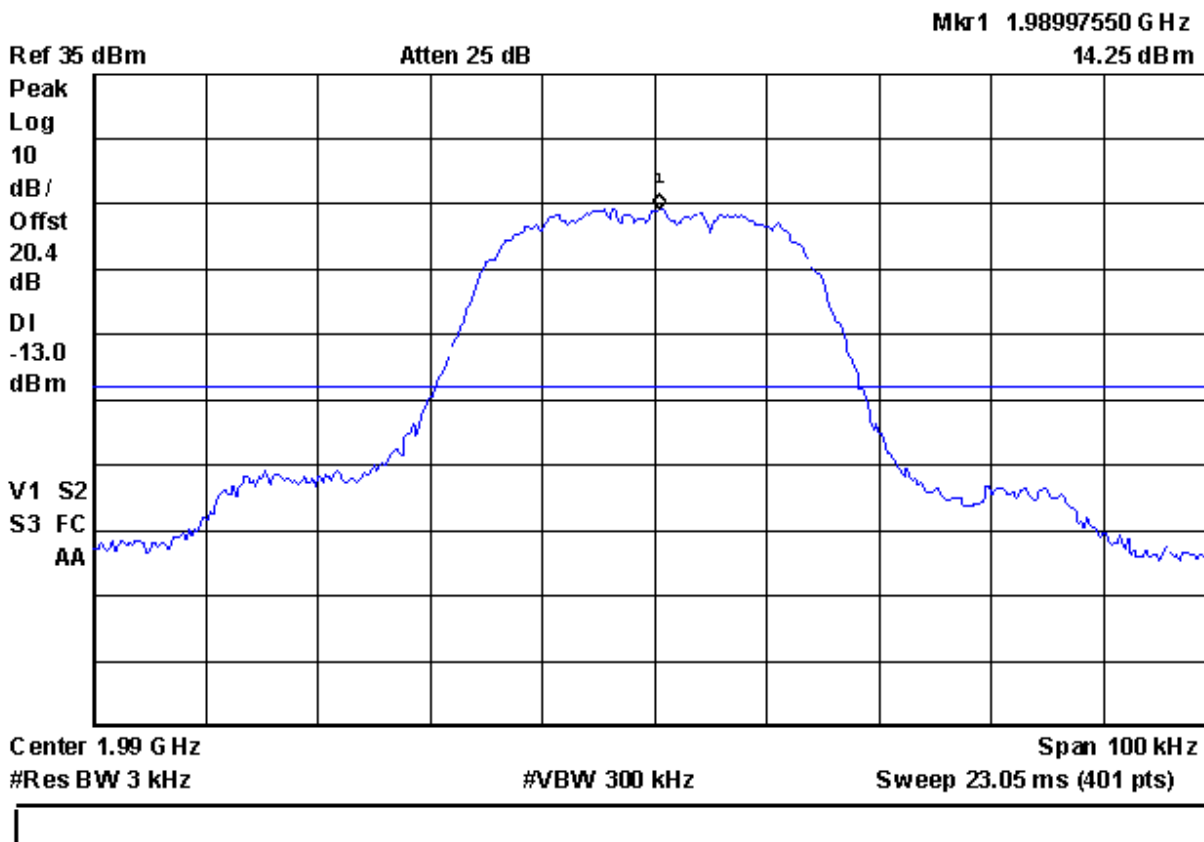

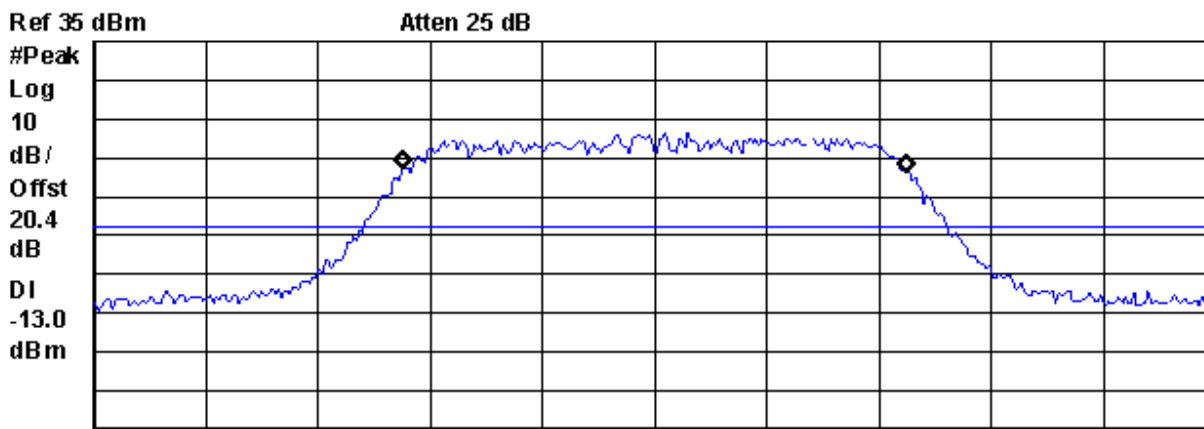


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink CDMA 1931 MHz				

Agilent 16:57:49 May 24, 2007



Center 1.931 GHz Span 3 MHz
 #Res BW 100 kHz VBW 1 MHz Sweep 5 ms (401 pts)


Occupied Bandwidth
 1.3518 MHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error 2.148 kHz
 x dB Bandwidth 1.594 MHz



FIGURE 6: OCCUPIED BANDWIDTH

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
DNB Job Number:		78116		Date: 24 May 2007	
Customer:		Janizary Holdings, Inc.			
Model Number:		CBHP1900			
Description:		RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
		Downlink CDMA 1931 MHz - Input			

Agilent 17:12:11 May 24, 2007

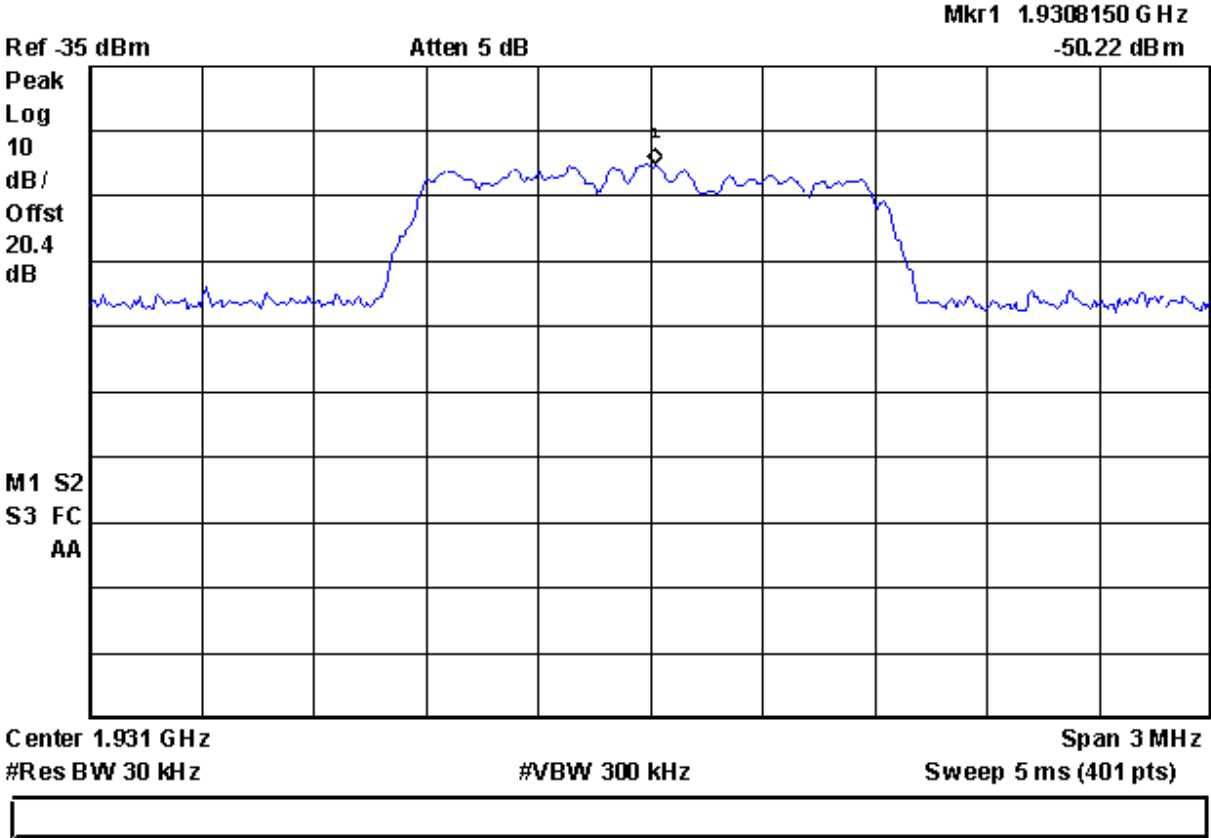



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116 Customer: Janizary Holdings, Inc. Model Number: CBHP1900 Description: RF amplifier Downlink CDMA 1931 MHz - Output	Date: 24 May 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	

Agilent 17:05:44 May 24, 2007

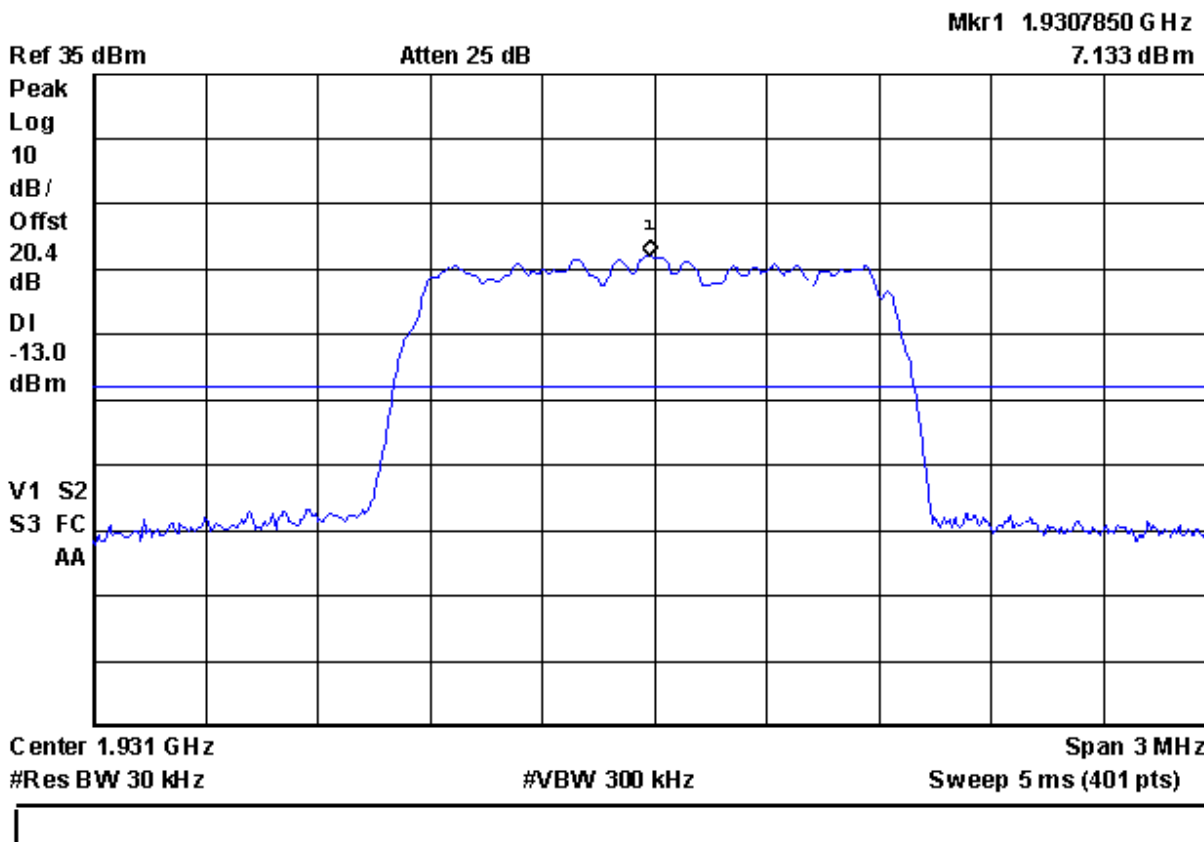

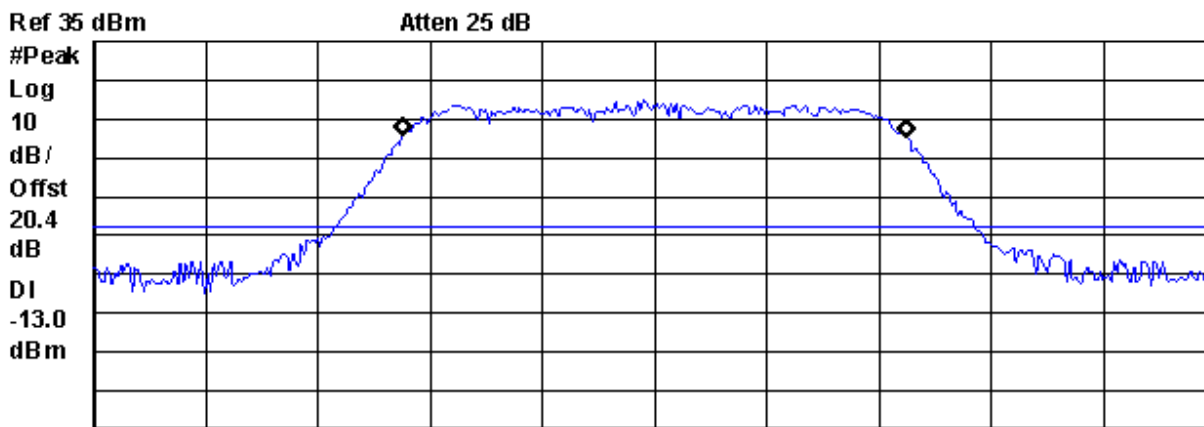


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink CDMA 1960 MHz				

Agilent 16:58:35 May 24, 2007



Center 1.96 GHz Span 3 MHz
 #Res BW 100 kHz VBW 1 MHz Sweep 5 ms (401 pts)

Occupied Bandwidth
 1.3496 MHz

Occ BW % Pwr 99.00 %
 x dB -26.00 dB

Transmit Freq Error -377.238 Hz
 x dB Bandwidth 1.606 MHz

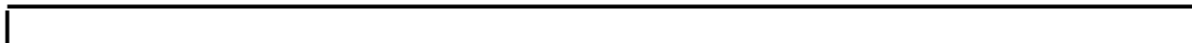



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink CDMA 1960 MHz - Input				

Agilent 17:12:47 May 24, 2007

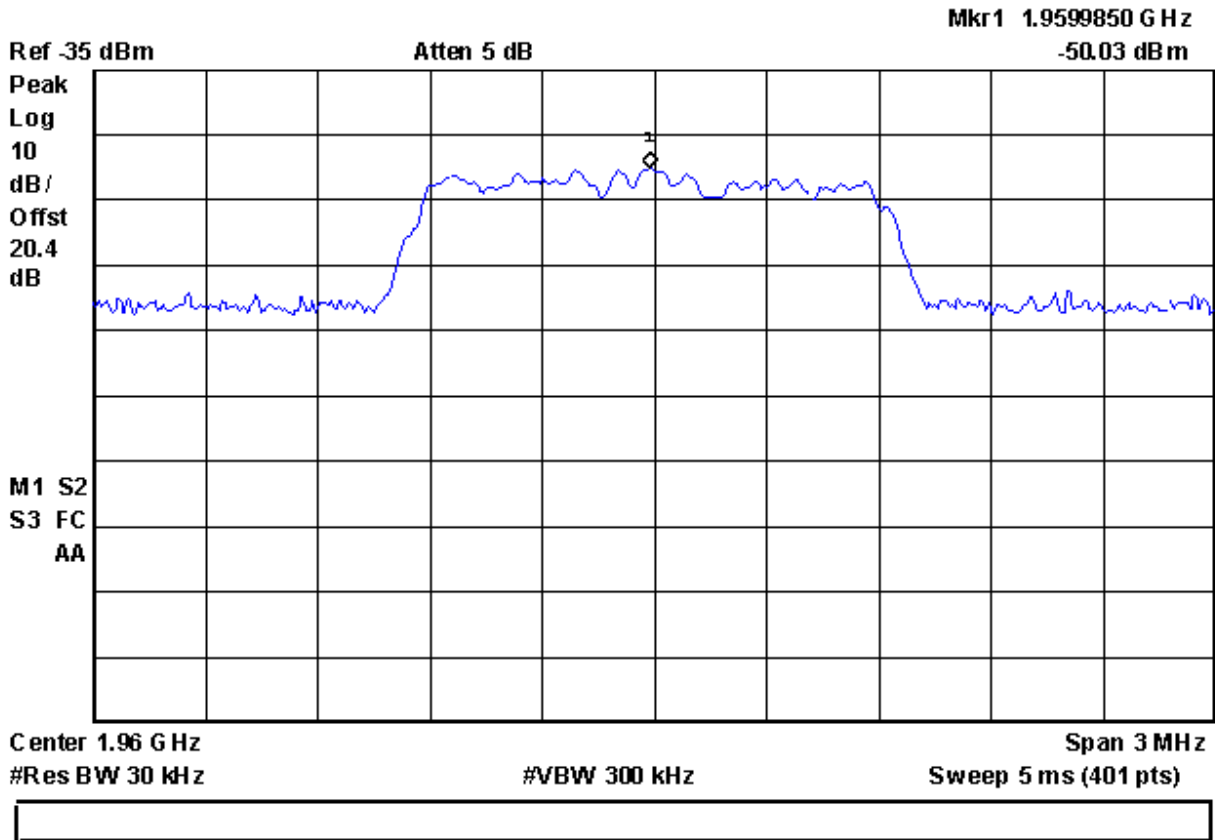



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Modulation Characteristics	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
		Conformance Standards	
		[X] IC RSS-131	
		[X] FCC Part 24	
		Downlink CDMA 1960 MHz - Output	

* Agilent 17:06:18 May 24, 2007

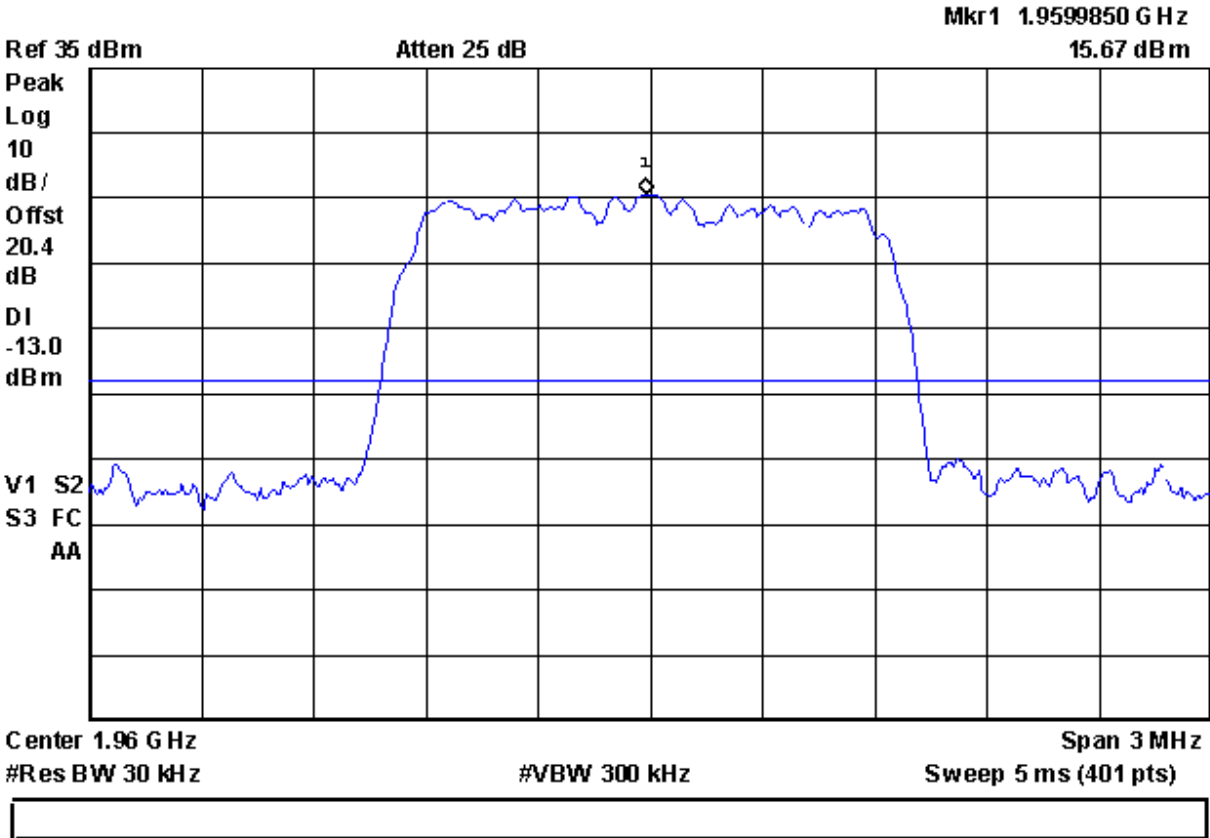



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Downlink CDMA 1989 MHz			

Agilent 16:59:28 May 24, 2007

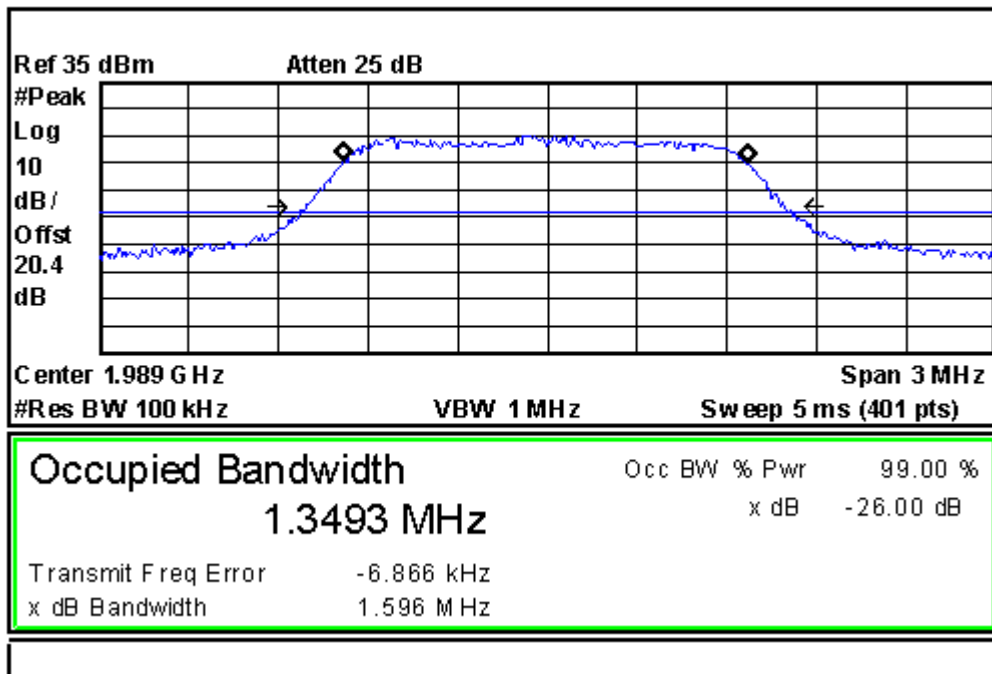



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.			
Model Number:	CBHP1900			
Description:	RF amplifier Downlink CDMA 1989 MHz - Input			

* Agilent 17:13:21 May 24, 2007

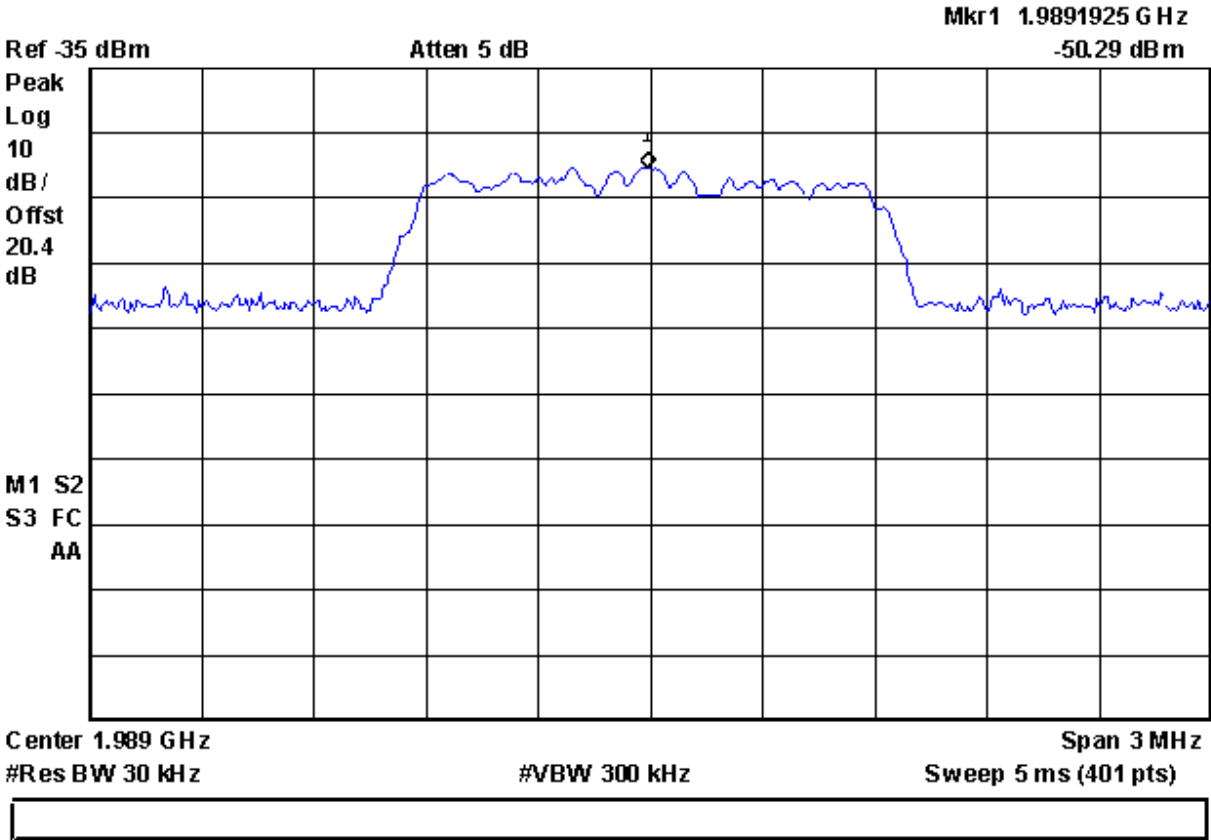



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Downlink CDMA 1989 MHz - Output			

* Agilent 17:06:18 May 24, 2007

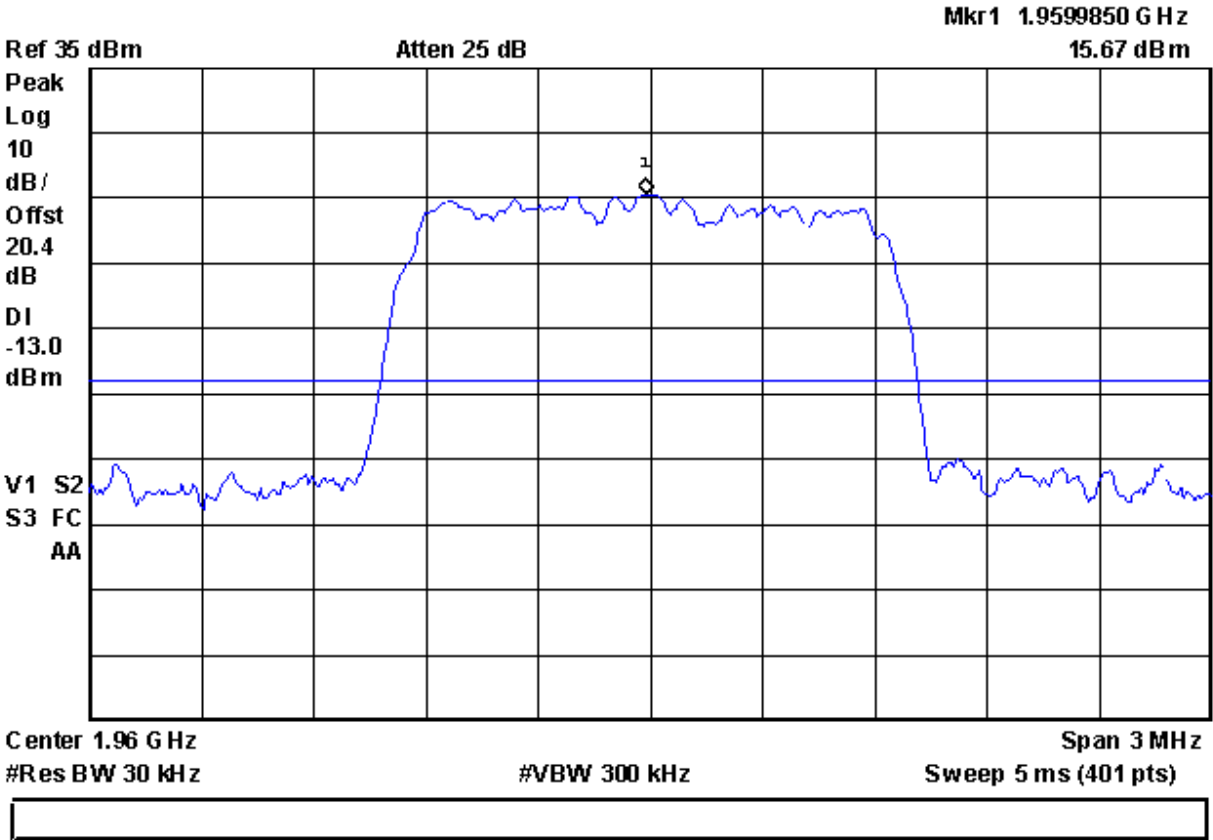

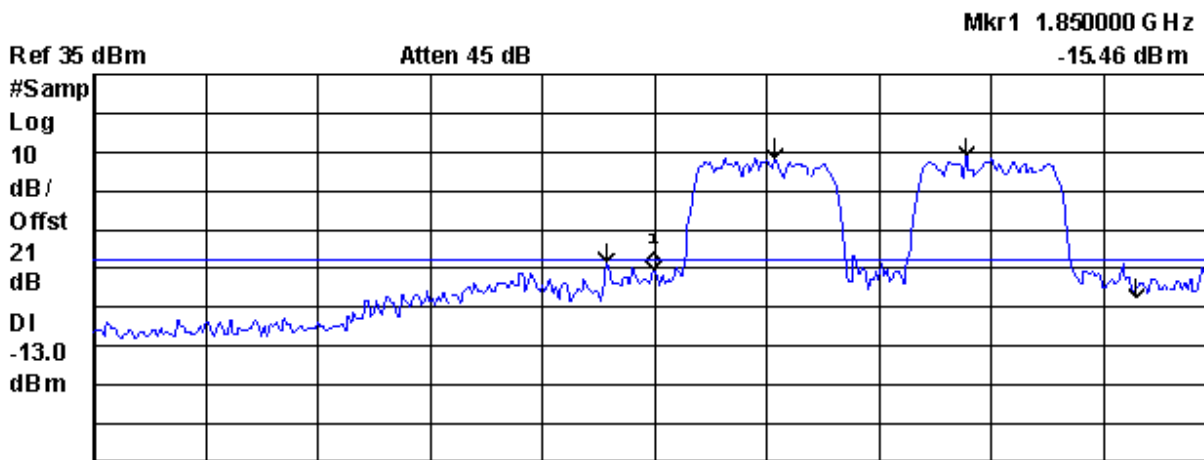


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink Signal Source - CDMA – Lower edge				

Agilent 16:30:24 Jun 1, 2007



Center 1.85 GHz Span 10 MHz
 #Res BW 30 kHz VBW 30 kHz Sweep 22.64 ms (401 pts)

	Freq	dBm	dBc	Intercept
Base Lower	1.85107 GHz	13.50	-0.38	
Base Upper	1.85278 GHz	13.88	0.00	
Worst Case	1.84958 GHz	-13.46	-27.34	27.17 dBm
3rd Order Lower	1.84958 GHz	-13.46	-27.34	27.17 dBm
3rd Order Upper	1.85430 GHz	-22.30	-36.18	31.78 dBm

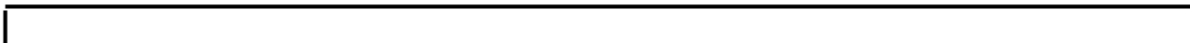

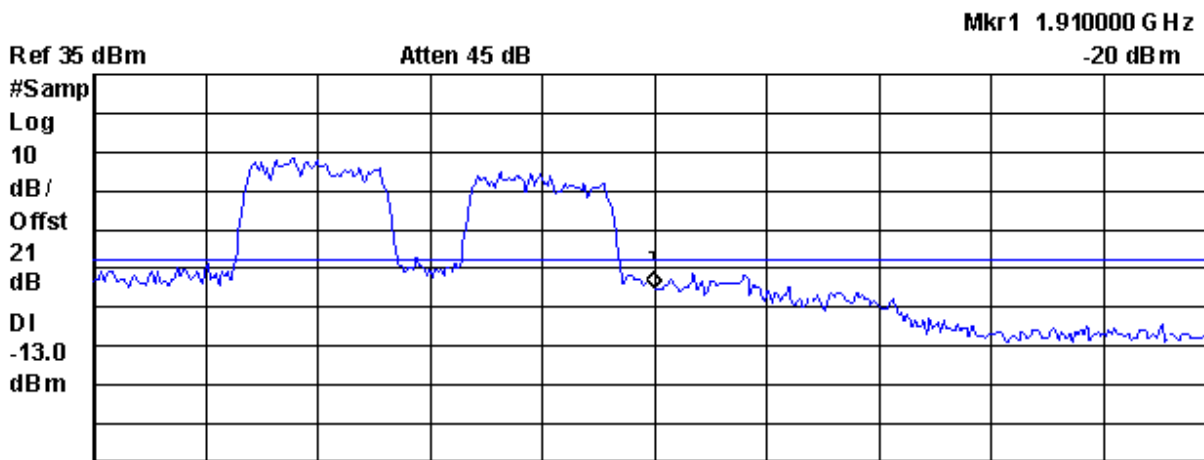


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink Signal Source - CDMA – Upper edge				

Agilent 16:31:57 Jun 1, 2007



Center 1.91 GHz #Res BW 30 kHz VBW 30 kHz Sweep 22.64 ms (401 pts) Span 10 MHz

	Freq	dBm	dBc	Intercept
Base Lower	1.90678 GHz	13.38	0.00	
Base Upper	1.90862 GHz	9.73	-3.65	
Worst Case	1.90512 GHz	-16.05	-29.43	26.27 dBm
3rd Order Lower	1.90512 GHz	-16.05	-29.43	26.27 dBm
3rd Order Upper	1.91057 GHz	-21.14	-34.52	26.99 dBm

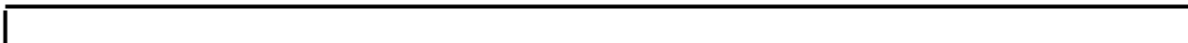

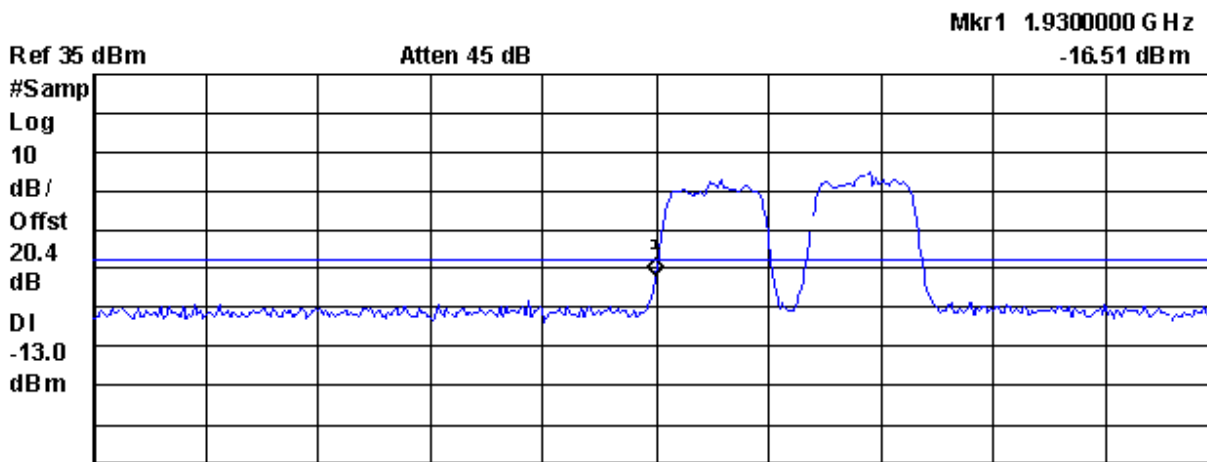


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink Signal Source - CDMA – Lower edge				

Agilent 16:51:42 May 24, 2007



Center 1.93 GHz Res BW 100 kHz VBW 1 MHz Span 15 MHz Sweep 4 ms (401 pts)

	Freq	dBm	dBc	Intercept
Base Lower	1.93086 GHz	7.65	-1.93	
Base Upper	1.93285 GHz	9.58	0.00	
Worst Case	1.92891 GHz	-28.22	-37.80	26.55 dBm
3rd Order Lower	1.92891 GHz	-28.22	-37.80	26.55 dBm
3rd Order Upper	1.93472 GHz	-26.65	-36.24	26.73 dBm

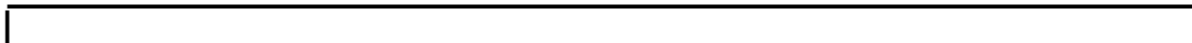

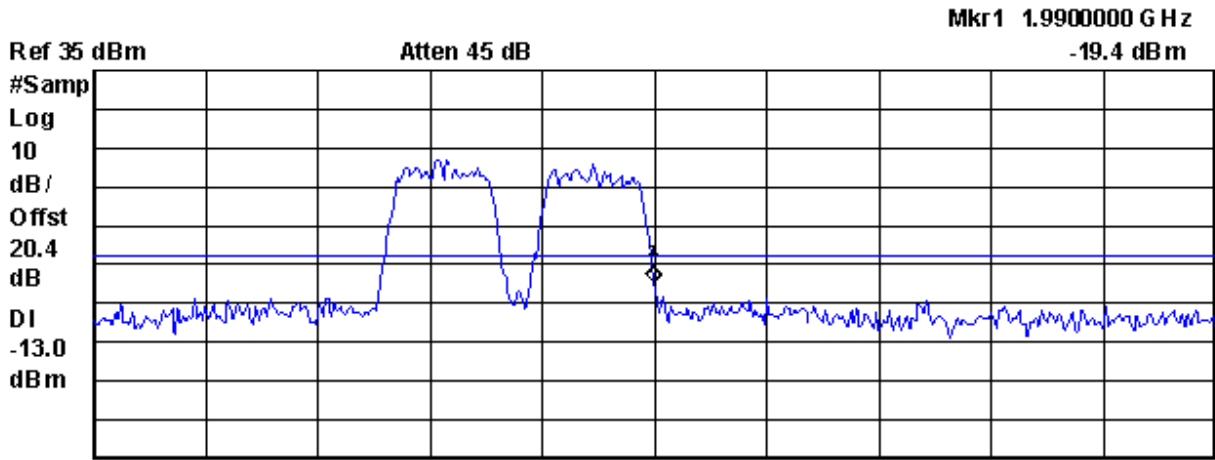


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink Signal Source - CDMA – Upper edge				

Agilent 16:53:07 May 24, 2007




Center 1.99 GHz Res BW 100 kHz VBW 1 MHz Sweep 4 ms (401 pts) Span 15 MHz

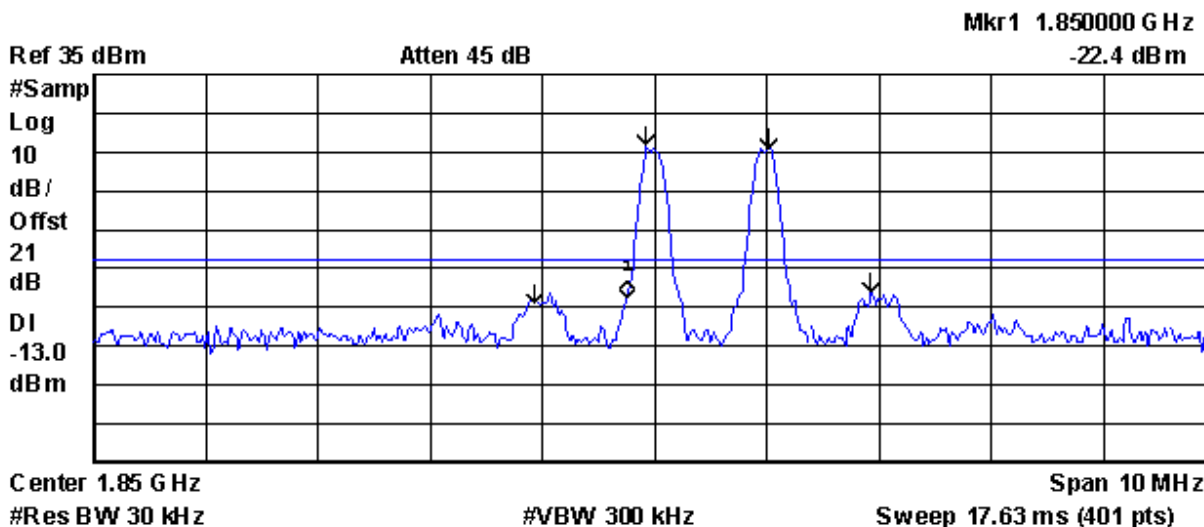
	Freq	dBm	dBc	Intercept
Base Lower	1.98711 GHz	12.11	0.00	
Base Upper	1.98918 GHz	10.56	-1.55	
Worst Case	1.99150 GHz	-24.07	-36.18	28.66 dBm
3rd Order Lower	1.98486 GHz	-23.71	-35.82	29.25 dBm
3rd Order Upper	1.99150 GHz	-24.07	-36.18	28.66 dBm



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink Signal Source - GSM – Lower Edge				

Agilent 14:27:22 Jun 1, 2007



	Freq	dBm	dBc	Intercept
Base Lower	1.85017 GHz	16.60	0.00	
Base Upper	1.85127 GHz	15.79	-0.81	
Worst Case	1.85218 GHz	-21.01	-37.61	34.59 dBm
3rd Order Lower	1.84918 GHz	-23.73	-40.32	36.35 dBm
3rd Order Upper	1.85218 GHz	-21.01	-37.61	34.59 dBm

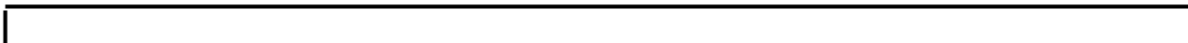

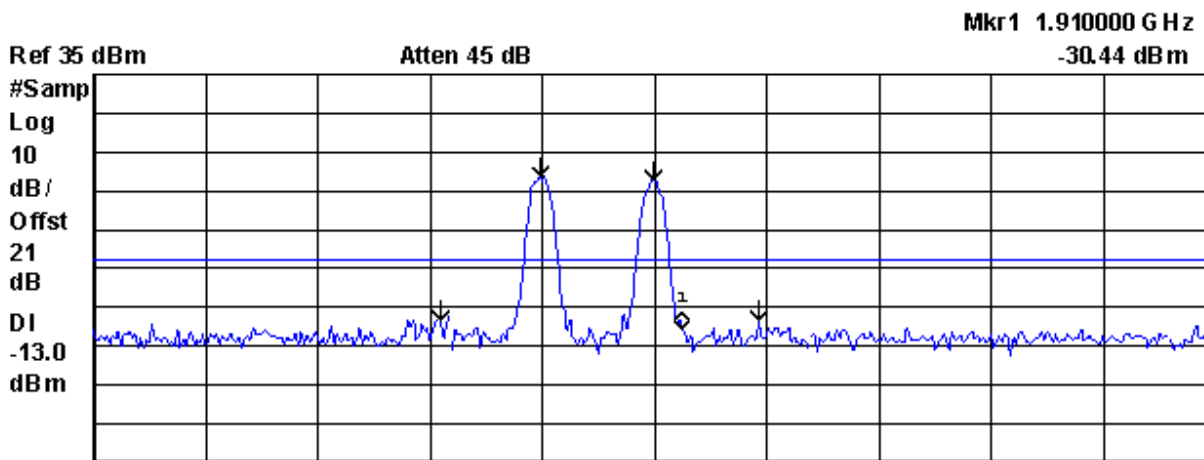


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink Signal Source - GSM - Upper Edge				

Agilent 14:28:56 Jun 1, 2007



Center 1.91 GHz Span 10 MHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 17.63 ms (401 pts)

	Freq	dBm	dBc	Intercept
Base Lower	1.90872 GHz	8.60	0.00	
Base Upper	1.90975 GHz	7.61	-0.99	
Worst Case	1.91067 GHz	-28.40	-37.00	26.11 dBm
3rd Order Lower	1.90785 GHz	-28.20	-36.80	26.51 dBm
3rd Order Upper	1.91067 GHz	-28.40	-37.00	26.11 dBm

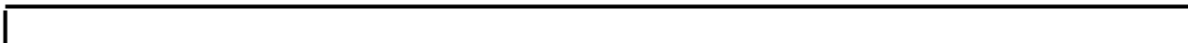

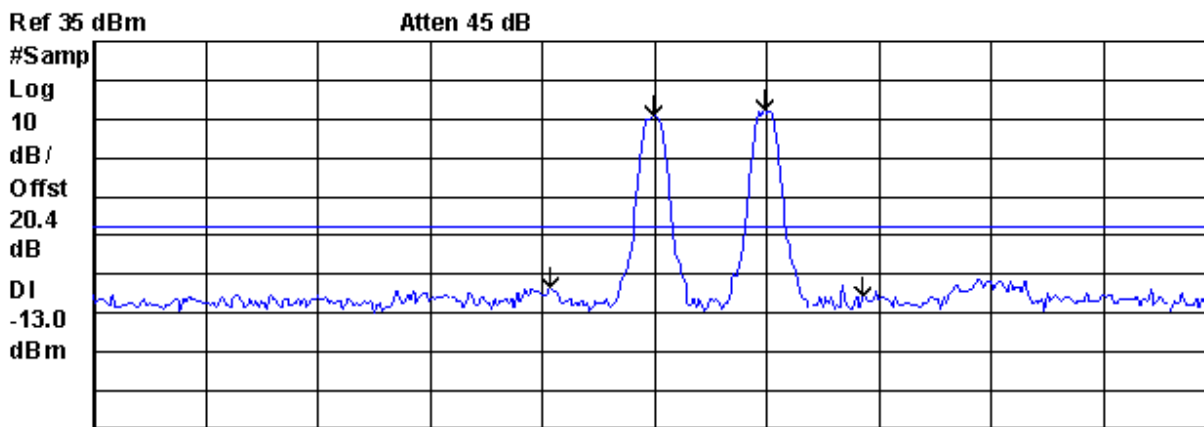


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards
Model Number:	CBHP1900			
Description:	RF amplifier			
	Downlink			
	Signal Source - GSM – Lower Edge			[X] IC RSS-131 [X] FCC Part 24

Agilent 10:47:41 May 24, 2007



Center 1.93 GHz #Res BW 30 kHz VBW 300 kHz Sweep 17.63 ms (401 pts) Span 10 MHz

	Freq	dBm	dBc	Intercept
Base Lower	1.93000 GHz	15.69	-1.44	
Base Upper	1.93097 GHz	17.13	0.00	
Worst Case	1.92907 GHz	-28.17	-45.30	38.34 dBm
3rd Order Lower	1.92907 GHz	-28.17	-45.30	38.34 dBm
3rd Order Upper	1.93185 GHz	-30.45	-47.58	40.20 dBm

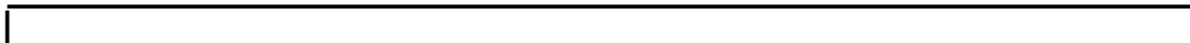

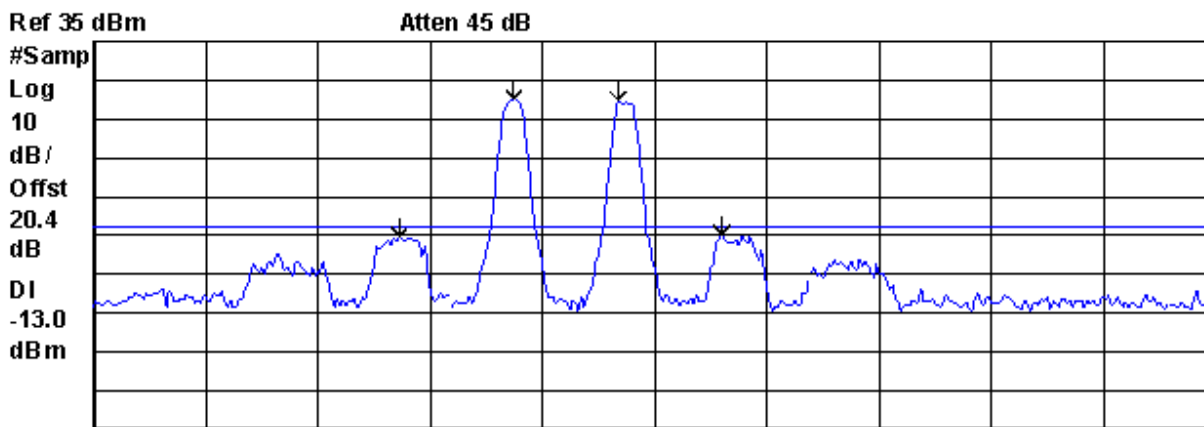


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards
Model Number:	CBHP1900			
Description:	RF amplifier			
	Downlink			
	Signal Source - GSM – Upper Edge			[X] IC RSS-131 [X] FCC Part 24

* Agilent 10:46:04 May 24, 2007



Center 1.99 GHz #Res BW 30 kHz VBW 300 kHz Span 10 MHz
Sweep 17.63 ms (401 pts)

	Freq	dBm	dBc	Intercept
Base Lower	1.98875 GHz	20.07	0.00	
Base Upper	1.98968 GHz	19.79	-0.28	
Worst Case	1.99060 GHz	-14.65	-34.72	37.15 dBm
3rd Order Lower	1.98773 GHz	-15.28	-35.35	37.61 dBm
3rd Order Upper	1.99060 GHz	-14.65	-34.72	37.15 dBm

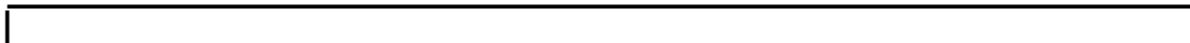

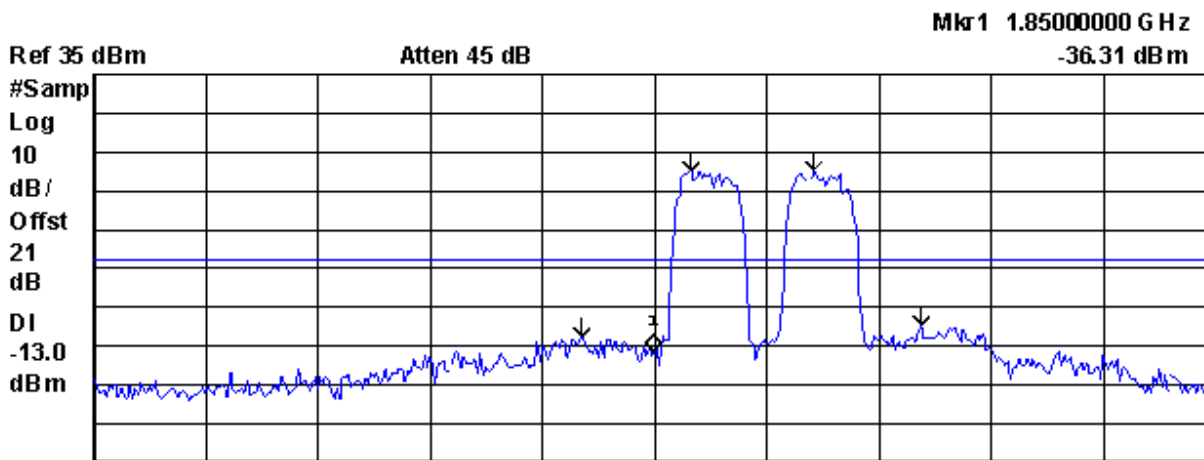


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink			
Signal Source - TDMA – Lower Edge				

Agilent 14:40:30 Jun 1, 2007



Center 1.85 GHz #Res BW 1 kHz #VBW 10 kHz Sweep 793.2 ms (401 pts) Span 500 kHz

	Freq	dBm	dBc	Intercept
Base Lower	1.85002 GHz	10.11	0.00	
Base Upper	1.85007 GHz	10.01	-0.10	
Worst Case	1.85012 GHz	-29.58	-39.68	29.85 dBm
3rd Order Lower	1.84997 GHz	-32.45	-42.56	31.34 dBm
3rd Order Upper	1.85012 GHz	-29.58	-39.68	29.85 dBm

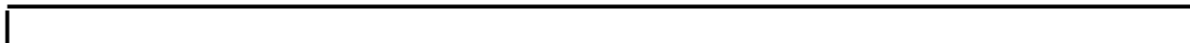

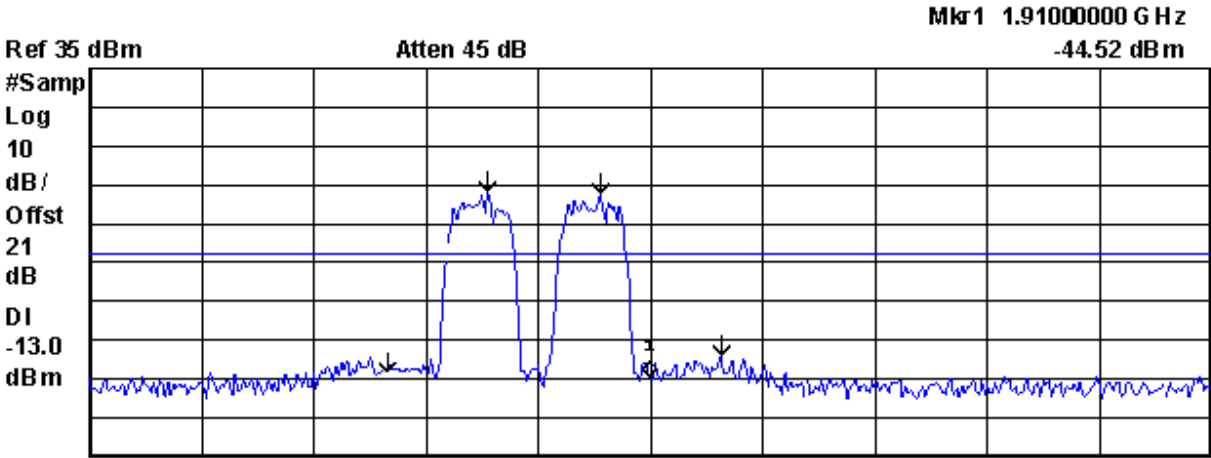


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink Signal Source - TDMA – Upper Edge				

Agilent 14:42:07 Jun 1, 2007




Center 1.91 GHz #Res BW 1 kHz #VBW 10 kHz Span 500 kHz Sweep 793.2 ms (401 pts)

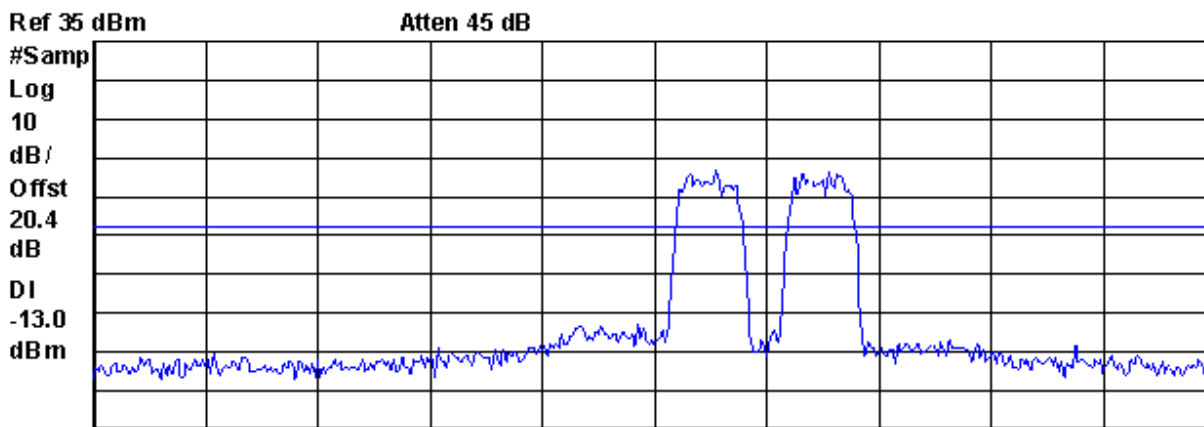
	Freq	dBm	dBc	Intercept
Base Lower	1.90993 GHz	3.37	0.00	
Base Upper	1.90998 GHz	3.06	-0.30	
Worst Case	1.91003 GHz	-38.90	-42.27	24.20 dBm
3rd Order Lower	1.90988 GHz	-42.80	-46.17	26.30 dBm
3rd Order Upper	1.91003 GHz	-38.90	-42.27	24.20 dBm



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink Signal Source - TDMA – Lower Edge				

Agilent 14:40:41 May 24, 2007



Center 1.93 GHz Span 500 kHz
 #Res BW 1 kHz VBW 1 kHz Sweep 1.019 s (401 pts)

	Freq	dBm	dBc	Intercept
Base Lower	1.93003 GHz	1.95	0.00	
Base Upper	1.93008 GHz	1.42	-0.53	
Worst Case	1.92999 GHz	-39.55	-41.50	22.43 dBm
3rd Order Lower	1.92999 GHz	-39.55	-41.50	22.43 dBm
3rd Order Upper	1.93013 GHz	-41.45	-43.40	23.12 dBm

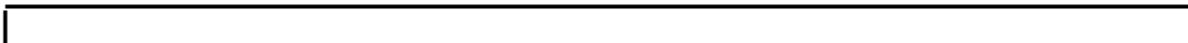

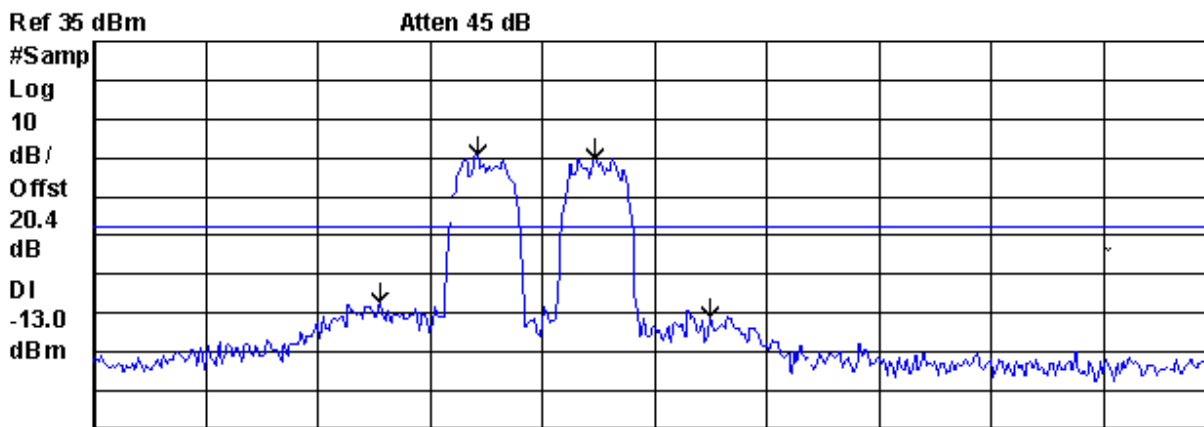


FIGURE 6: OCCUPIED BANDWIDTH

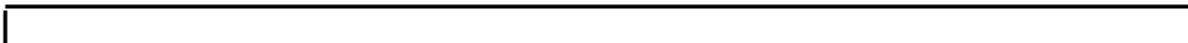
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink Signal Source - TDMA – Upper Edge				

Agilent 14:42:05 May 24, 2007



Center 1.99 GHz Span 500 kHz
 #Res BW 1 kHz VBW 1 kHz Sweep 1.019 s (401 pts)

	Freq	dBm	dBc	Intercept
Base Lower	1.98992 GHz	5.72	0.00	
Base Upper	1.98997 GHz	4.97	-0.75	
Worst Case	1.98988 GHz	-31.80	-37.52	24.11 dBm
3rd Order Lower	1.98988 GHz	-31.80	-37.52	24.11 dBm
3rd Order Upper	1.99003 GHz	-35.84	-41.57	25.76 dBm



**2.1051 Spurious Emissions at Antenna Terminals (IC RSS-131
Clause 4.4)**

Definition:

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.

Conducted Spurious Emissions shall be attenuated below the maximum level of the carrier frequency in accordance with the following formula:

$$-13\text{dB} = \text{Measured Power} - (43 + 10 \log_{10}(\text{Rated Power}))$$

Test Method: Per EIA RS 152-B, Paragraph 4 as modified below.

Connect the equipment as shown in FIGURE 1.


Adjust the drive source to produce FM modulation. Adjust the Spectrum Analyzer to display the Modulated Carrier.

Scan the frequency spectrum from the lowest radio frequency generated in the equipment through the 10th harmonic of the carrier frequency.

Test Results: See Plots

All spurious emissions at the antenna terminals are below the IC/FCC specifications

Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink GSM 1850.250 MHz				

Agilent 14:31:21 Jun 1, 2007

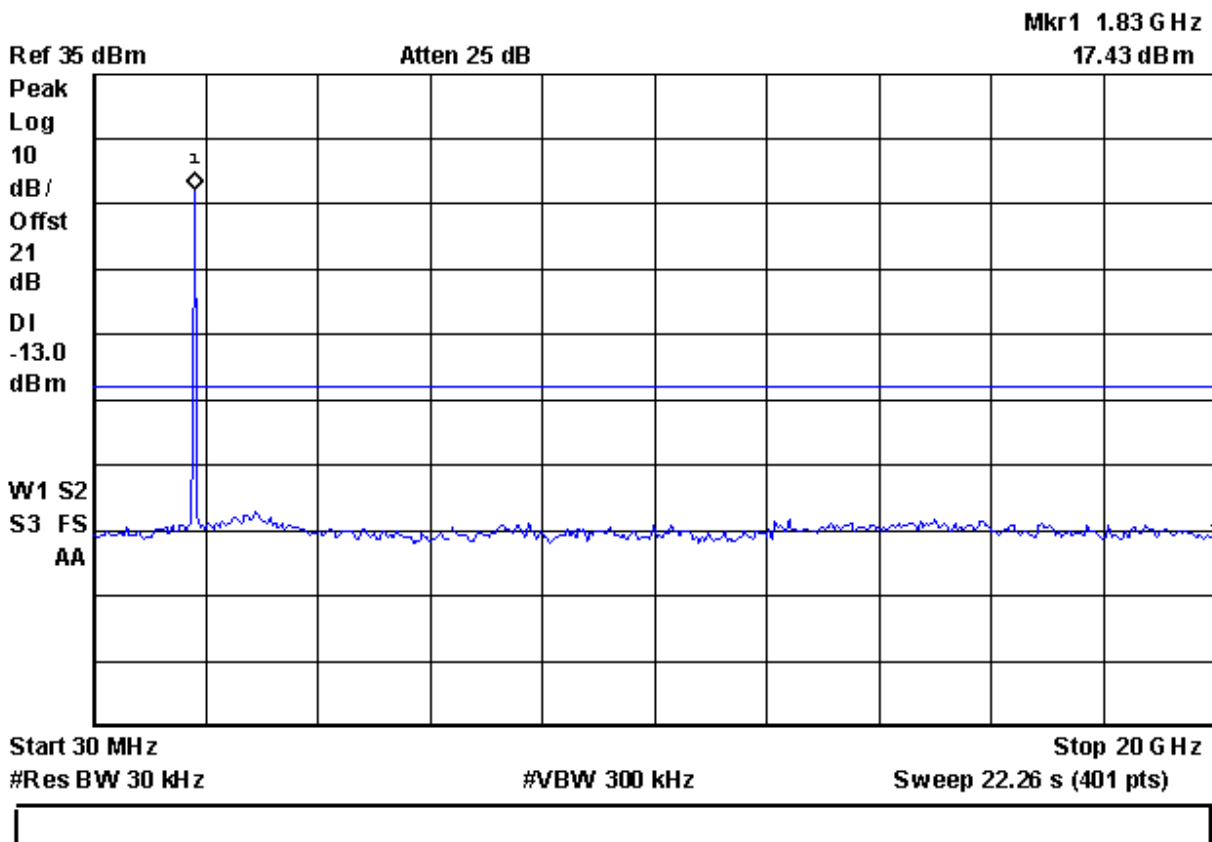



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Antenna Conducted Spurious	
DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink GSM 1909.750 MHz		
			Conformance Standards
			<input checked="" type="checkbox"/> IC RSS-131
			<input checked="" type="checkbox"/> FCC Part 24

Agilent 14:33:44 Jun 1, 2007

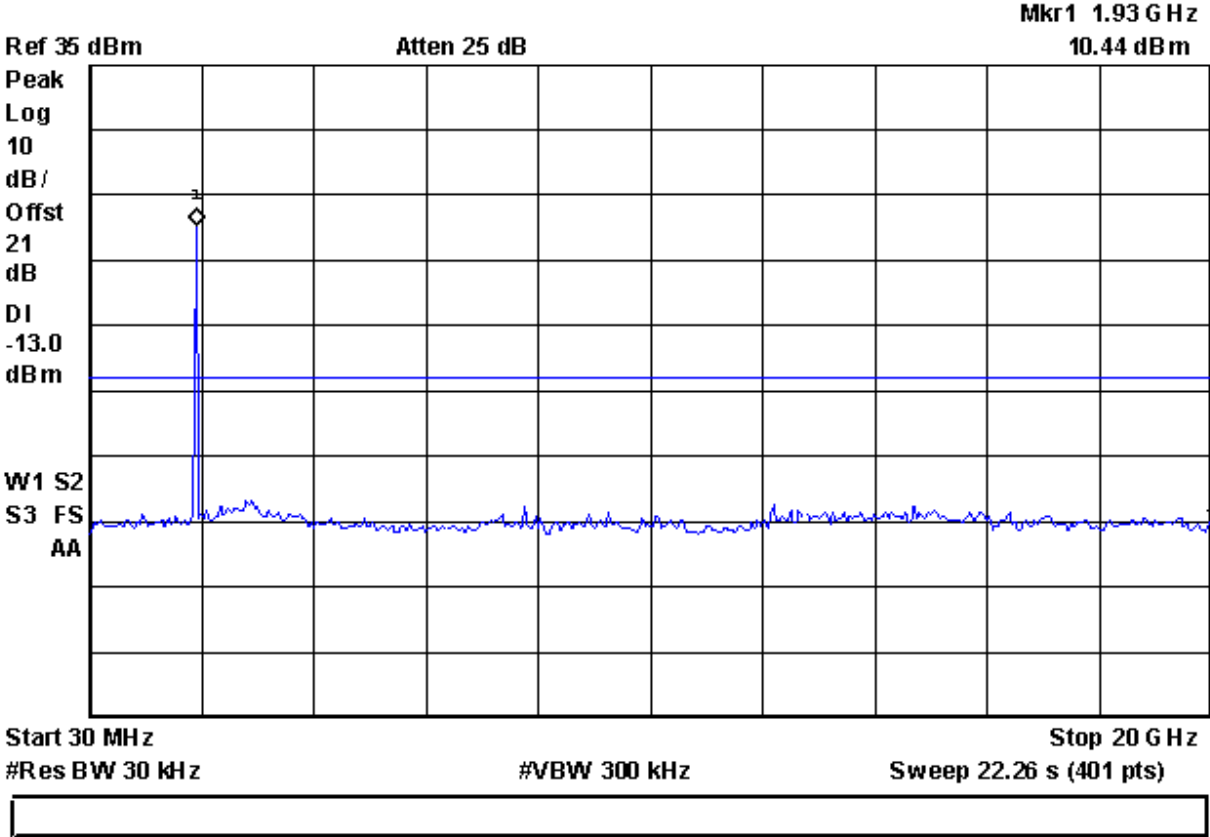



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Uplink TDMA 1850.025 MHz				

Agilent 14:44:28 Jun 1, 2007

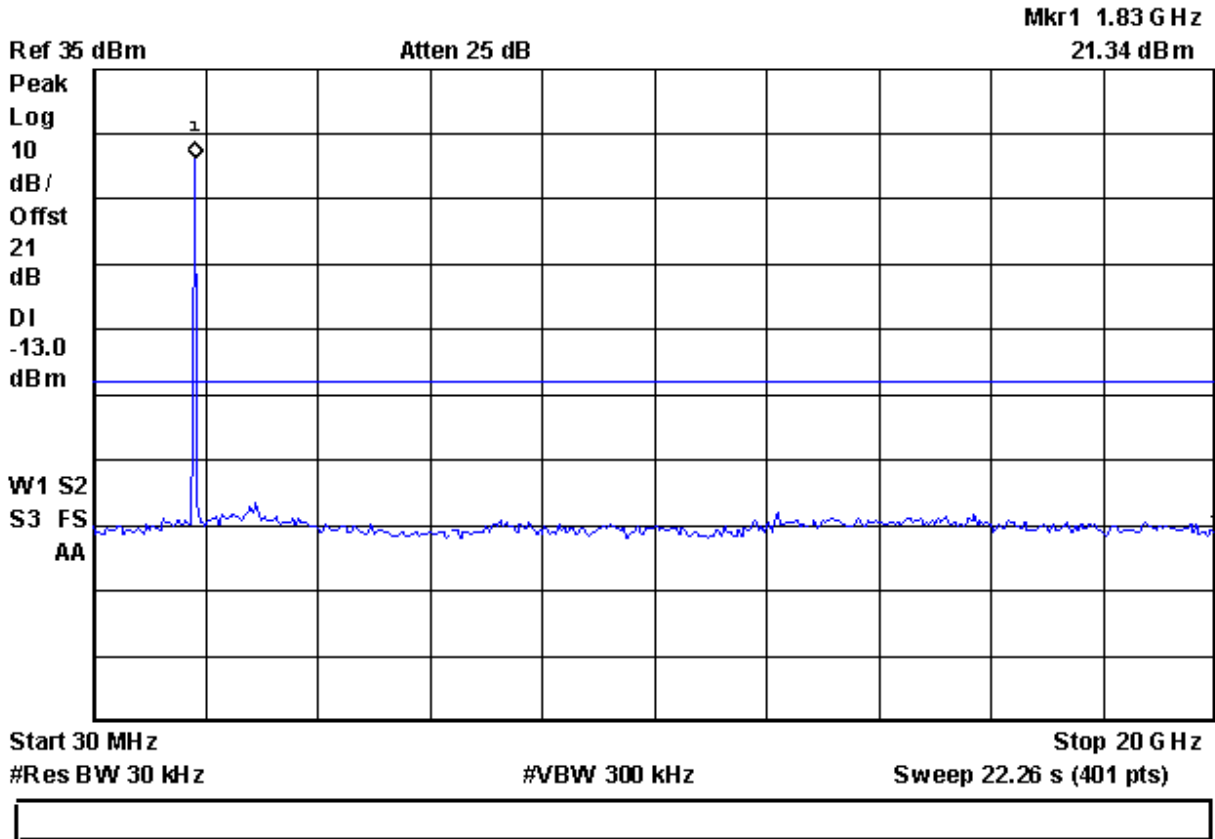



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
DNB Job Number: 78116		Date: 1 Jun 2007		Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.					
Model Number: CBHP1900					
Description: RF amplifier					
		Uplink TDMA 1909.975 MHz			

Agilent 14:46:08 Jun 1, 2007

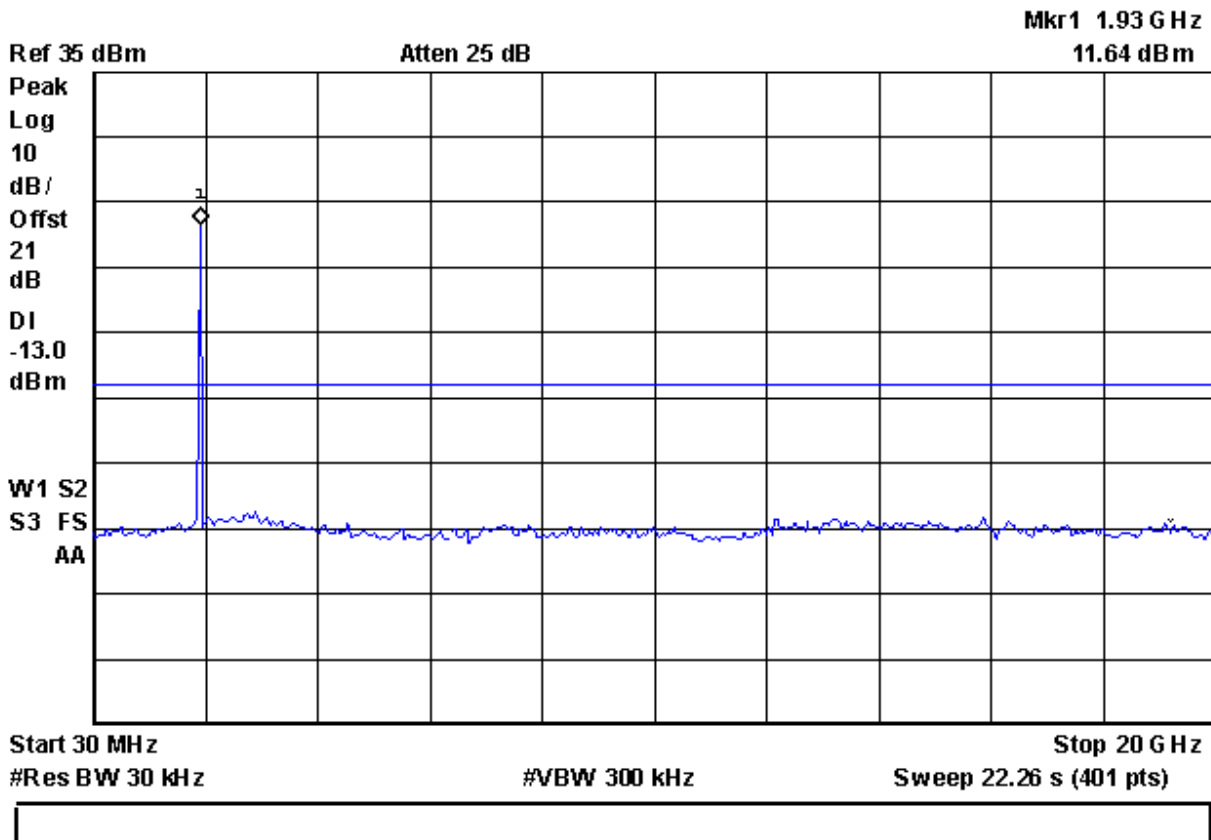



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.			Conformance Standards [X] IC RSS-131 [X] FCC Part 24
Model Number:	CBHP1900			
Description:	RF amplifier			
	Uplink CDMA 1851 MHz			

Agilent 16:45:34 Jun 1, 2007

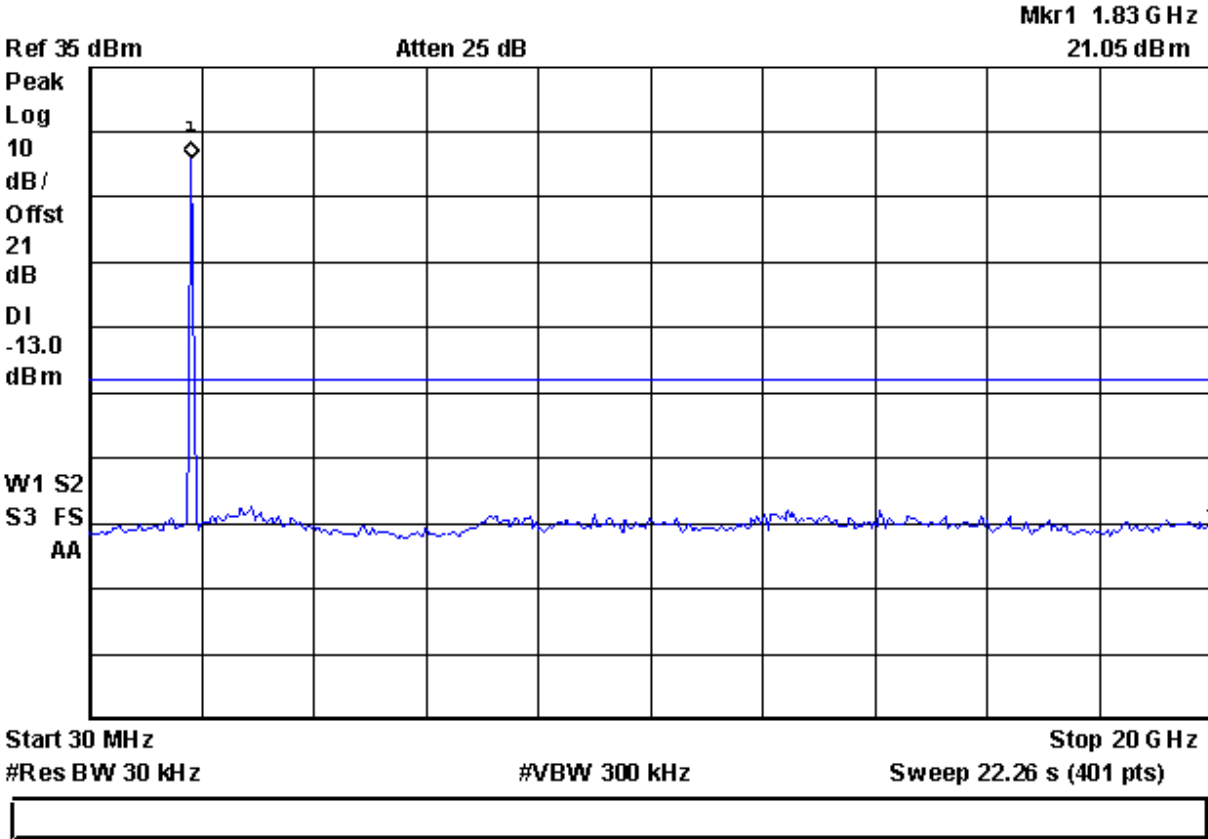



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 78116	Date: 1 Jun 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier				
	Uplink CDMA 1880 MHz			

Agilent 16:46:21 Jun 1, 2007

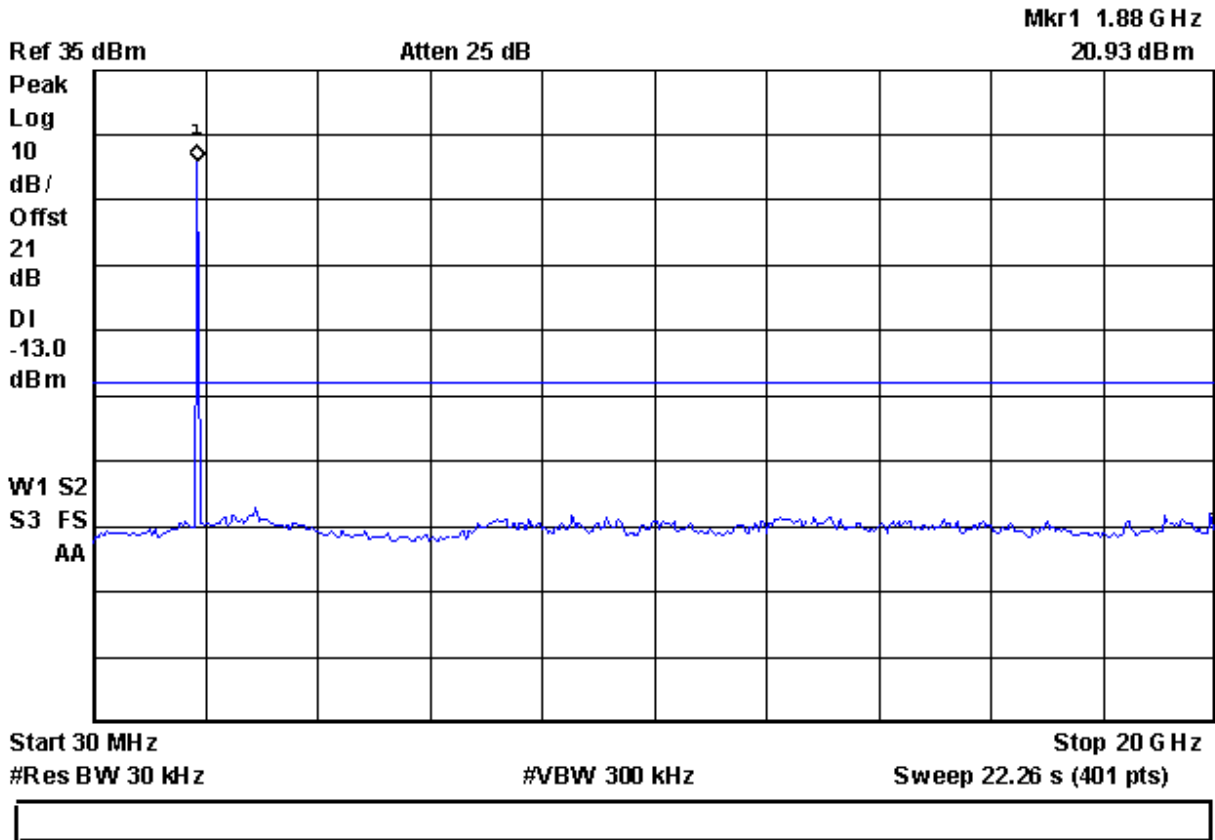



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Antenna Conducted Spurious	
DNB Job Number:	78116	Date:	1 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink CDMA 1909 MHz		
		Conformance Standards	
		[X] IC RSS-131	
		[X] FCC Part 24	

Agilent 16:47:09 Jun 1, 2007

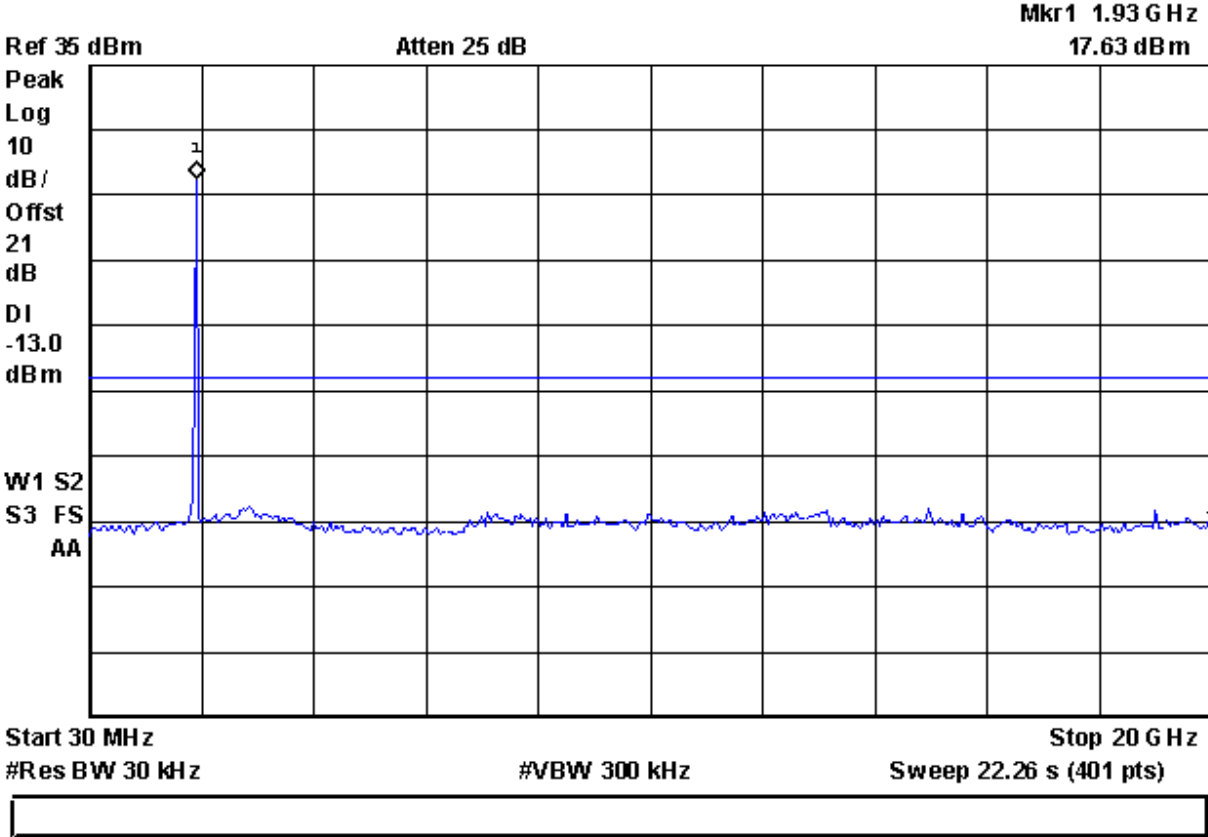



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Antenna Conducted Spurious	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink GSM 1930.250 MHz		
			Conformance Standards
			[X] IC RSS-131
			[X] FCC Part 24

Agilent 12:44:45 May 24, 2007

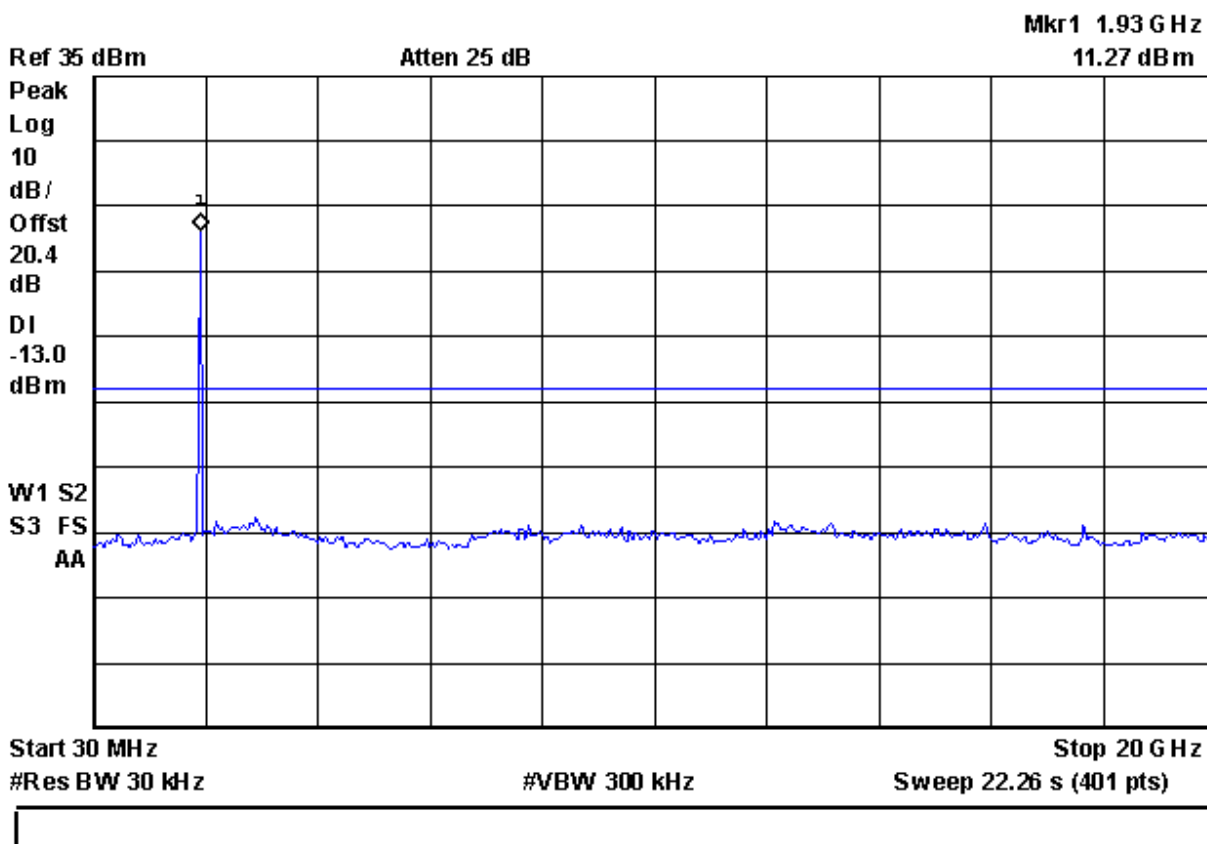



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.	Model Number: CBHP1900			
Description: RF amplifier	Downlink GSM 1960 MHz			
Description: Downlink GSM 1960 MHz	Description: Downlink GSM 1960 MHz			

Agilent 12:45:58 May 24, 2007

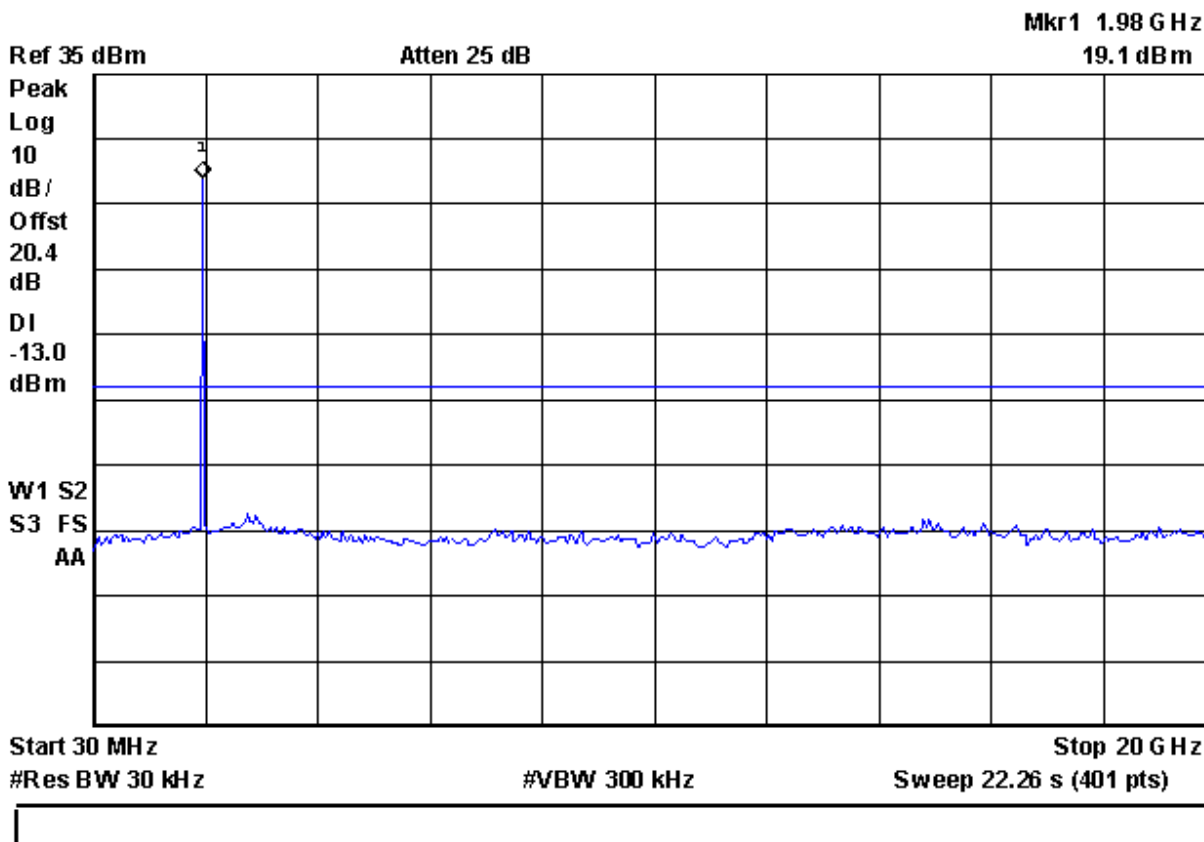



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink GSM 1989.750 MHz				

Agilent 12:46:54 May 24, 2007

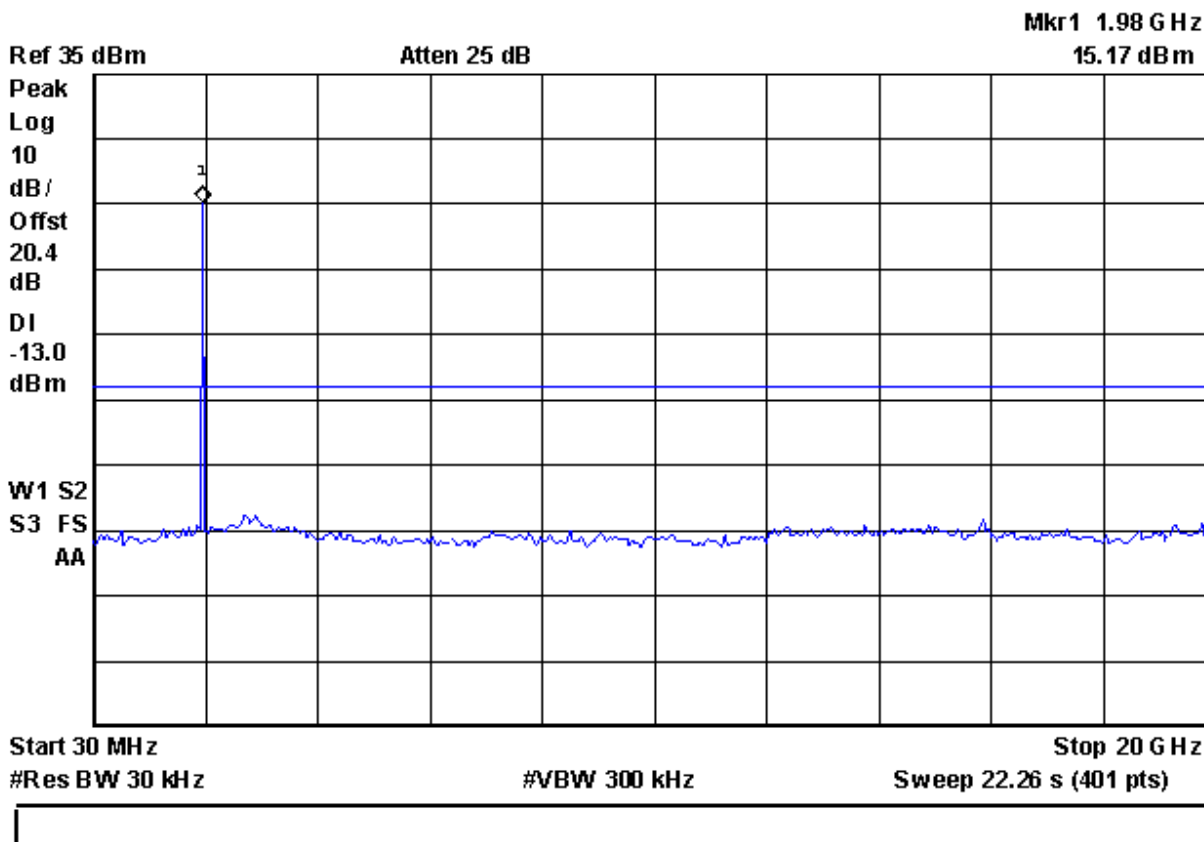



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
DNB Job Number:	78116	Date:	24 May 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer:	Janizary Holdings, Inc.				
Model Number:	CBHP1900				
Description:	RF amplifier				
	Downlink TDMA 1930.025 MHz				

Agilent 14:34:25 May 24, 2007

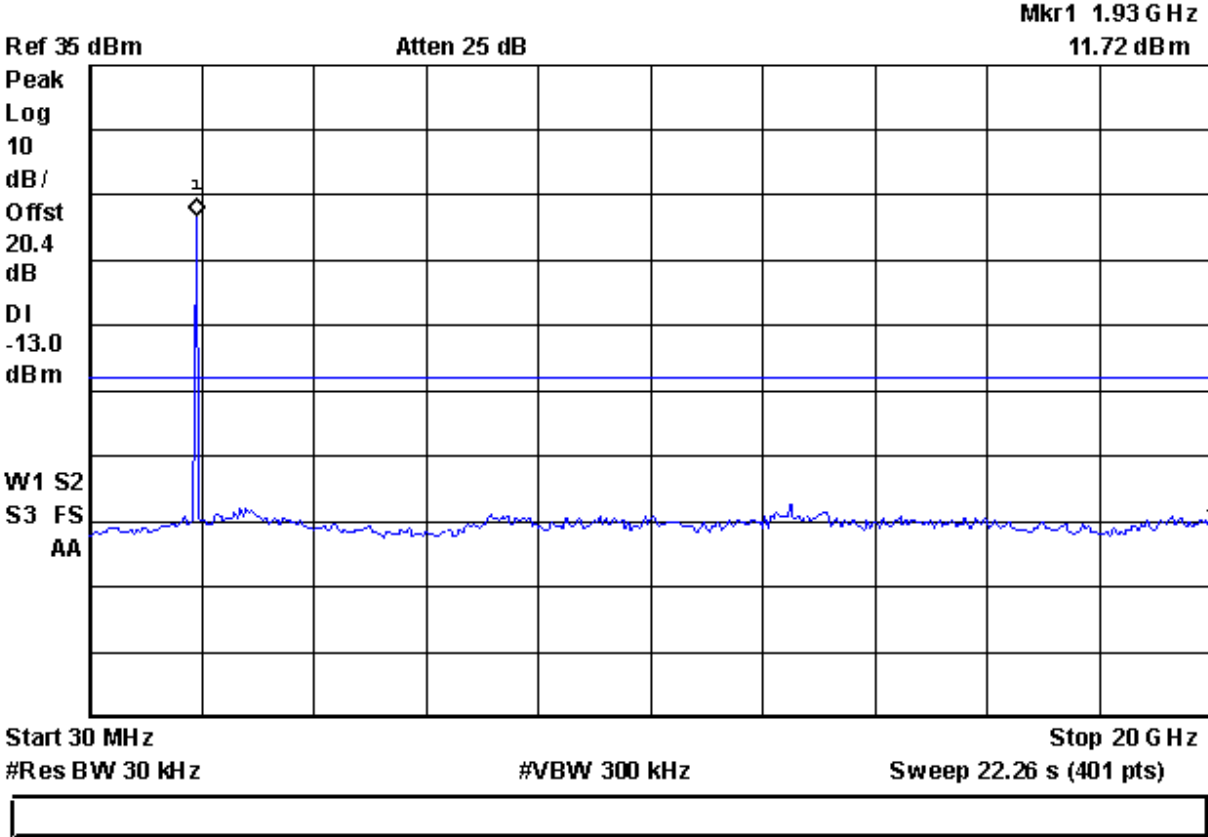



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Antenna Conducted Spurious	
DNB Job Number:	78116	Date:	24 May 2007
Customer:	Janizary Holdings, Inc.	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink TDMA 1960 MHz		

Agilent 14:35:16 May 24, 2007

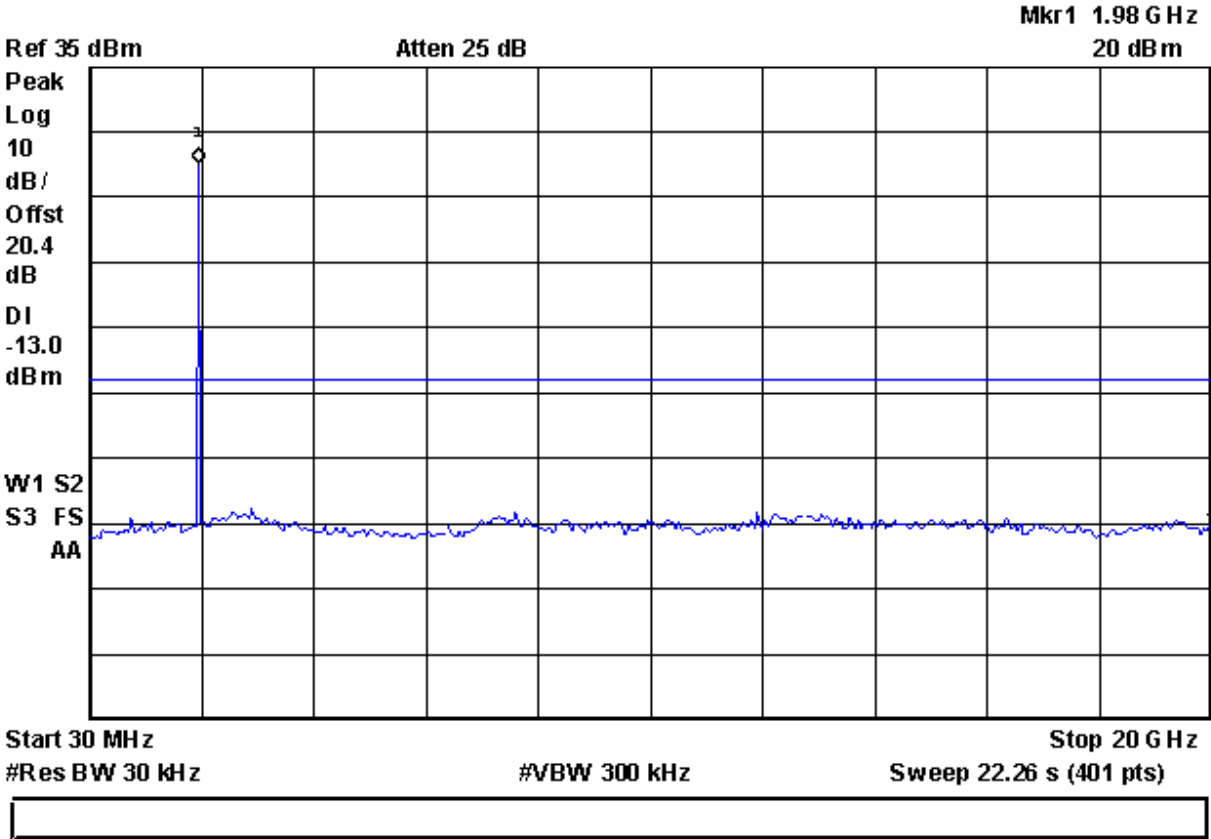



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink TDMA 1989.975 MHz				

Agilent 14:36:04 May 24, 2007

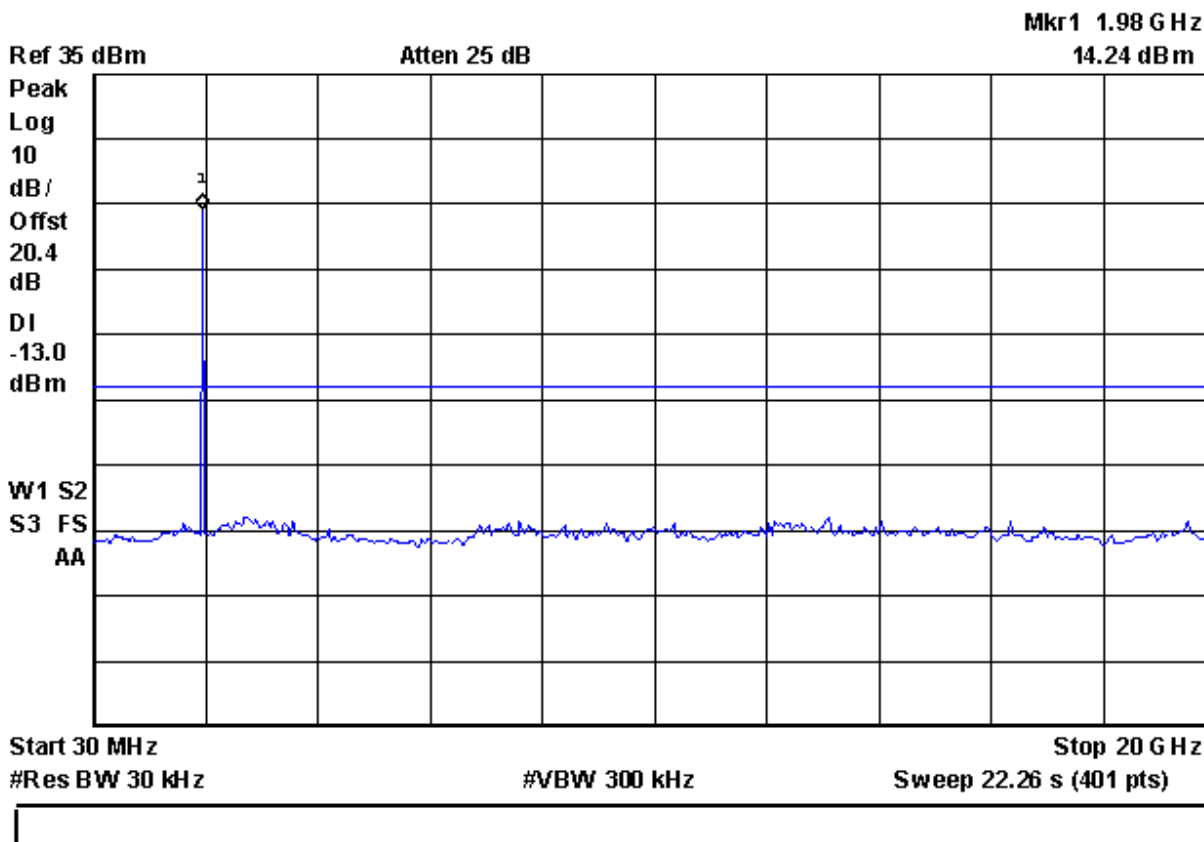



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 78116	Date: 24 May 2007	Conformance Standards [X] IC RSS-131 [X] FCC Part 24	
Customer: Janizary Holdings, Inc.				
Model Number: CBHP1900				
Description: RF amplifier Downlink CDMA 1931 MHz				

Agilent 17:08:11 May 24, 2007

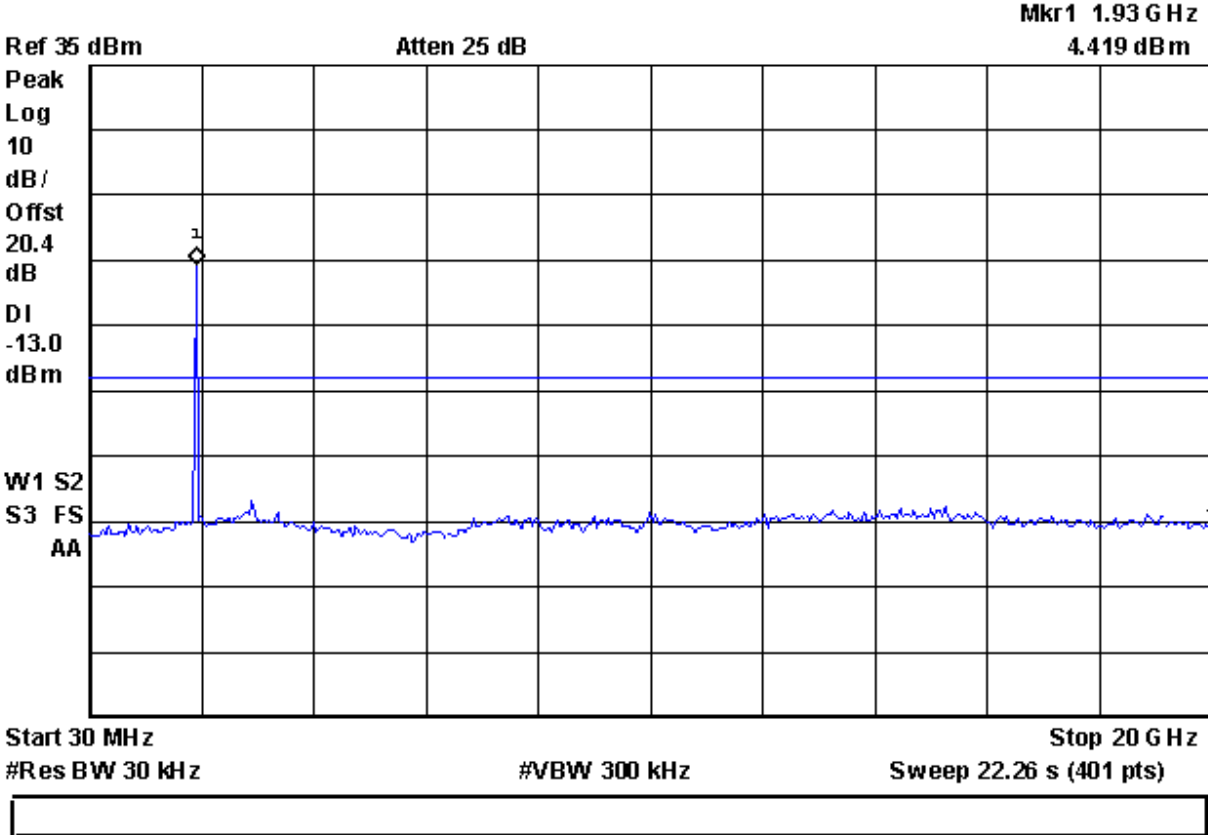

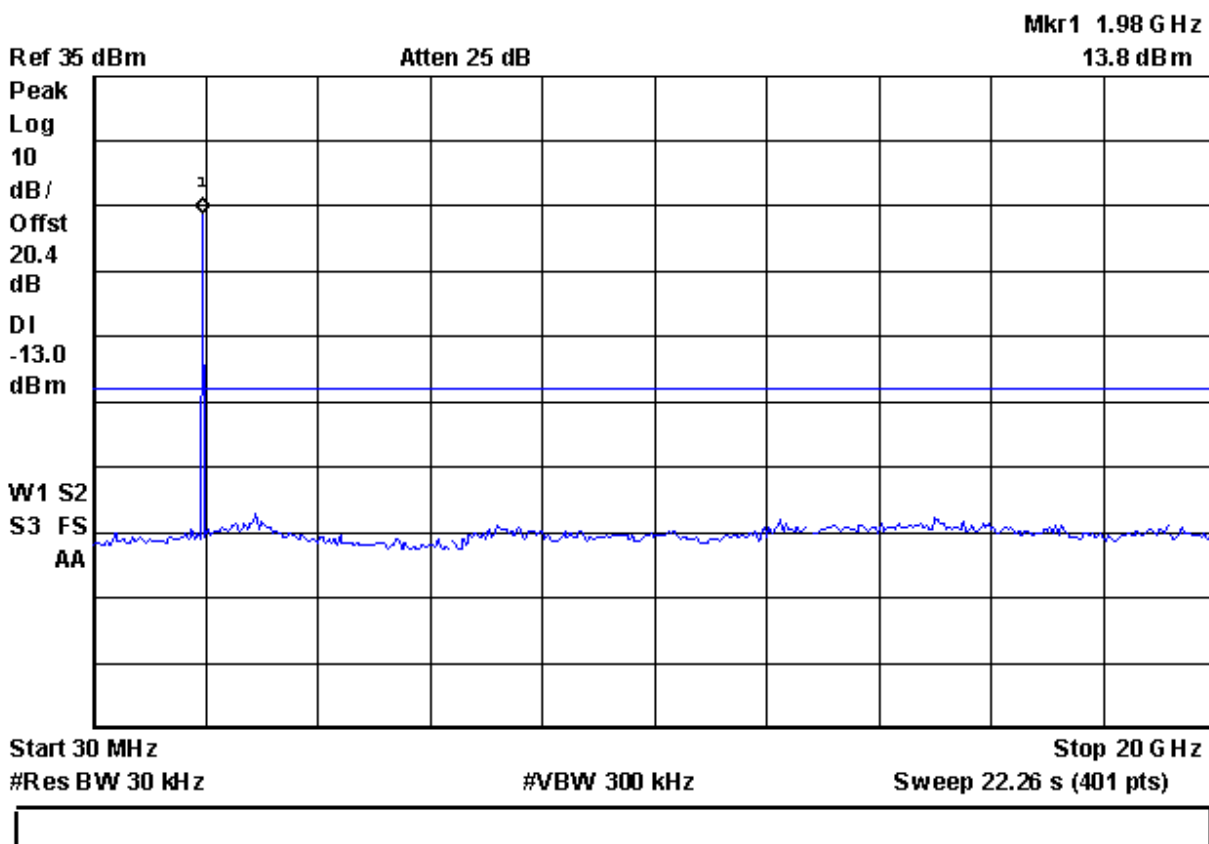


Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	<h3 style="text-align: center;">Antenna Conducted Spurious</h3>	
DNB Job Number:	78116	Date:	24 May 2007	
Customer:	Janizary Holdings, Inc.			
Model Number:	CBHP1900			
Description:	RF amplifier			
	Downlink CDMA 1960 MHz			
		Conformance Standards		<input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24

Agilent 17:08:54 May 24, 2007



2.1053 Field Strength of Spurious Radiation (IC RSS-131 Clause 4.4)

Definition:

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.


Test Method: Per TIA /EIA 603.

Connect the equipment and follow the procedure described in paragraph 2.2.1.12. Measure the amplitude of each spurious radiated signal through the 10th harmonic. The spurious signals are then measured on the 3 meter range. First the EUT is measured using a tuned reference dipole below 1GHz and a double ridge guide Horn antenna above 1GHz. Then a dipole to dipole (or drg to drg) measurement is conducted to determine the actual power at each harmonic being generated by the EUT. If the DRG antenna is used the appropriate gain factor for the antenna is added for the final measurement. If no noticeable emission can be observed the ground floor is recorded in the data sheets.

Test Results: All readings were at the spectrum analyzer ground floor above the fundamental.

All radiated spurious emissions are below the IC/FCC Specifications.


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink – GSM – 1850.250 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3700.881	H	-38.93	-13	-25.93
	3700.781	V	-38.75	-13	-25.75
3rd	5550.750	H	-39.65	-13	-26.65
	5551.375	V	-37.79	-13	-24.79
4th	7400.631	H	-31.11	-13	-18.11
	7402.168	V	-34.19	-13	-21.19
5th	9251.387	H	-30.01	-13	-17.01
	9250.212	V	-29.46	-13	-16.46
6th	11102.350	H	-28.71	-13	-15.71
	11101.418	V	-28.24	-13	-15.24
7th	12952.112	H	-26.03	-13	-13.03
	12951.500	V	-24.84	-13	-11.84
8th	14802.000	H	-22.07	-13	-9.07
	14801.981	V	-19.74	-13	-6.74
9th	16651.737	H	-20.32	-13	-7.32
	16652.706	V	-20.39	-13	-7.39
10th	18503.362	H	-19.16	-13	-6.16
	18502.900	V	-18.45	-13	-5.45

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink – GSM – 1880.000 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3760.900	H	-38.03	-13	-25.03
	3759.518	V	-39.19	-13	-26.19
3rd	5641.081	H	-38.51	-13	-25.51
	5639.418	V	-38.16	-13	-25.16
4th	7520.925	H	-34.61	-13	-21.61
	7518.856	V	-31.09	-13	-18.09
5th	9400.862	H	-26.12	-13	-13.12
	9400.112	V	-28.39	-13	-15.39
6th	11280.925	H	-28.02	-13	-15.02
	11280.150	V	-27.58	-13	-14.58
7th	13160.637	H	-24.50	-13	-11.5
	13160.725	V	-23.47	-13	-10.47
8th	15040.106	H	-20.07	-13	-7.07
	15040.593	V	-20.17	-13	-7.17
9th	16920.700	H	-19.64	-13	-6.64
	16920.875	V	-19.71	-13	-6.71
10th	18801.162	H	-17.33	-13	-4.33
	18799.987	V	-17.63	-13	-4.63

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink – GSM – 1909.750 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3820.568	H	-40.03	-13	-27.03
	3820.068	V	-38.66	-13	-25.66
3rd	5729.250	H	-38.69	-13	-25.69
	5730.393	V	-38.39	-13	-25.39
4th	7640.162	H	-31.67	-13	-18.67
	7639.768	V	-31.43	-13	-18.43
5th	9550.006	H	-30.54	-13	-17.54
	9549.331	V	-30.69	-13	-17.69
6th	11459.362	H	-28.59	-13	-15.59
	11457.737	V	-28.28	-13	-15.28
7th	13368.118	H	-23.13	-13	-10.13
	13368.731	V	-22.84	-13	-9.84
8th	15277.269	H	-21.39	-13	-8.39
	15276.818	V	-21.65	-13	-8.65
9th	17186.625	H	-19.70	-13	-6.7
	17188.918	V	-20.44	-13	-7.44
10th	19097.675	H	-17.85	-13	-4.85
	19097.825	V	-18.88	-13	-5.88

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink – TDMA – 1850.025 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3701.187	H	-38.47	-13	-25.47
	3699.312	V	-39.20	-13	-26.2
3rd	5550.293	H	-38.44	-13	-25.44
	5550.031	V	-38.64	-13	-25.64
4th	7400.812	H	-30.73	-13	-17.73
	7399.337	V	-30.90	-13	-17.9
5th	9249.300	H	-29.38	-13	-16.38
	9250.531	V	-29.24	-13	-16.24
6th	11099.437	H	-28.25	-13	-15.25
	11101.218	V	-28.20	-13	-15.2
7th	12951.218	H	-25.73	-13	-12.73
	12951.000	V	-25.90	-13	-12.9
8th	14800.593	H	-21.16	-13	-8.16
	14799.112	V	-20.56	-13	-7.56
9th	16648.975	H	-20.77	-13	-7.77
	16650.431	V	-20.40	-13	-7.4
10th	18501.275	H	-18.62	-13	-5.62
	18501.368	V	-18.40	-13	-5.4

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Uplink – TDMA – 1880.000 MHz		

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3760.931	H	-39.01	-13	-26.01
	3759.631	V	-38.79	-13	-25.79
3rd	5640.937	H	-38.12	-13	-25.12
	5640.618	V	-38.06	-13	-25.06
4th	7521.175	H	-31.45	-13	-18.45
	7519.581	V	-31.06	-13	-18.06
5th	9399.393	H	-29.75	-13	-16.75
	9400.918	V	-28.82	-13	-15.82
6th	11279.850	H	-27.95	-13	-14.95
	11279.431	V	-27.36	-13	-14.36
7th	13160.618	H	-24.16	-13	-11.16
	13160.050	V	-23.61	-13	-10.61
8th	15039.493	H	-20.46	-13	-7.46
	15038.806	V	-19.98	-13	-6.98
9th	16919.037	H	-19.18	-13	-6.18
	16921.037	V	-19.17	-13	-6.17
10th	18801.062	H	-16.88	-13	-3.88
	18799.737	V	-17.19	-13	-4.19

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink – TDMA – 1909.975 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3819.537	H	-39.35	-13	-26.35
	3818.875	V	-38.08	-13	-25.08
3rd	5730.906	H	-38.19	-13	-25.19
	5728.906	V	-37.86	-13	-24.86
4th	7640.293	H	-30.08	-13	-17.08
	7640.381	V	-30.21	-13	-17.21
5th	9550.193	H	-30.91	-13	-17.91
	9550.437	V	-30.33	-13	-17.33
6th	11460.143	H	-27.66	-13	-14.66
	11459.831	V	-27.97	-13	-14.97
7th	13370.362	H	-22.53	-13	-9.53
	13369.993	V	-23.82	-13	-10.82
8th	15279.856	H	-20.27	-13	-7.27
	15280.131	V	-20.46	-13	-7.46
9th	17189.637	H	-18.61	-13	-5.61
	17189.012	V	-19.60	-13	-6.6
10th	19099.937	H	-17.47	-13	-4.47
	19099.343	V	-17.64	-13	-4.64

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink – CDMA – 1851 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3702.262	H	-38.87	-13	-25.87
	3702.287	V	-38.44	-13	-25.44
3rd	5551.781	H	-38.45	-13	-25.45
	5553.775	V	-37.59	-13	-24.59
4th	7403.068	H	-31.65	-13	-18.65
	7403.681	V	-30.45	-13	-17.45
5th	9255.968	H	-29.11	-13	-16.11
	9255.612	V	-28.34	-13	-15.34
6th	11106.106	H	-29.80	-13	-16.8
	11106.187	V	-28.08	-13	-15.08
7th	12958.068	H	-26.18	-13	-13.18
	12957.387	V	-24.78	-13	-11.78
8th	14807.981	H	-21.04	-13	-8.04
	14807.312	V	-20.07	-13	-7.07
9th	16659.500	H	-20.35	-13	-7.35
	16659.912	V	-19.45	-13	-6.45
10th	18509.706	H	-19.06	-13	-6.06
	18511.093	V	-17.44	-13	-4.44

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Uplink – CDMA – 1880 MHz		

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3759.437	H	-38.66	-13	-25.66
	3760.868	V	-38.51	-13	-25.51
3rd	5639.537	H	-37.74	-13	-24.74
	5640.325	V	-38.00	-13	-25
4th	7519.162	H	-31.06	-13	-18.06
	7519.981	V	-31.62	-13	-18.62
5th	9400.637	H	-29.42	-13	-16.42
	9399.543	V	-28.66	-13	-15.66
6th	11279.606	H	-28.05	-13	-15.05
	11279.731	V	-27.89	-13	-14.89
7th	13159.987	H	-24.06	-13	-11.06
	13160.400	V	-23.65	-13	-10.65
8th	15040.100	H	-20.99	-13	-7.99
	15040.743	V	-19.69	-13	-6.69
9th	16921.112	H	-19.11	-13	-6.11
	16919.250	V	-18.93	-13	-5.93
10th	18801.031	H	-17.16	-13	-4.16
	18800.893	V	-17.34	-13	-4.34

* Measurement made at instrument ground floor – no discernible reading


Figure 8: Radiated Field Strength of Spurious Emissions, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Uplink – CDMA – 1909 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3817.656	H	-38.53	-13	-25.53
	3817.700	V	-38.82	-13	-25.82
3rd	5727.081	H	-38.01	-13	-25.01
	5727.793	V	-37.99	-13	-24.99
4th	7634.950	H	-30.97	-13	-17.97
	7635.981	V	-30.21	-13	-17.21
5th	9544.243	H	-30.29	-13	-17.29
	9545.406	V	-29.87	-13	-16.87
6th	11453.393	H	-27.28	-13	-14.28
	11453.693	V	-26.87	-13	-13.87
7th	13363.875	H	-22.03	-13	-9.03
	13363.043	V	-22.27	-13	-9.27
8th	15272.925	H	-20.83	-13	-7.83
	15273.143	V	-20.20	-13	-7.2
9th	17181.025	H	-18.66	-13	-5.66
	17179.750	V	-19.49	-13	-6.49
10th	19088.251	H	-16.88	-13	-3.88
	19090.525	V	-17.02	-13	-4.02

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink – GSM – 1930.250 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3860.863	H	-39.41	-13	-26.41
	3861.556	V	-38.93	-13	-25.93
3rd	5790.781	H	-38.74	-13	-25.74
	5791.294	V	-38.11	-13	-25.11
4th	7721.406	H	-30.86	-13	-17.86
	7721.488	V	-31.57	-13	-18.57
5th	9651.250	H	-31.97	-13	-18.97
	9650.531	V	-29.84	-13	-16.84
6th	11582.006	H	-27.40	-13	-14.4
	11581.194	V	-27.74	-13	-14.74
7th	13512.675	H	-22.08	-13	-9.08
	13512.563	V	-23.81	-13	-10.81
8th	15443.206	H	-20.68	-13	-7.68
	15440.963	V	-20.97	-13	-7.97
9th	17372.394	H	-19.96	-13	-6.96
	17371.388	V	-19.25	-13	-6.25
10th	19303.638	H	-16.98	-13	-3.98
	19301.644	V	-17.05	-13	-4.05

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink – GSM – 1960.000 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3920.856	H	-38.31	-13	-25.31
	3920.169	V	-38.21	-13	-25.21
3rd	5880.113	H	-37.78	-13	-24.78
	5879.938	V	-37.53	-13	-24.53
4th	7840.663	H	-30.15	-13	-17.15
	7840.506	V	-29.83	-13	-16.83
5th	9799.856	H	-29.71	-13	-16.71
	9801.212	V	-29.36	-13	-16.36
6th	11760.381	H	-27.48	-13	-14.48
	11760.769	V	-27.08	-13	-14.08
7th	13719.787	H	-22.71	-13	-9.71
	13719.675	V	-22.03	-13	-9.03
8th	15680.663	H	-20.97	-13	-7.97
	15679.325	V	-19.80	-13	-6.8
9th	17641.150	H	-19.44	-13	-6.44
	17640.250	V	-19.20	-13	-6.2
10th	19599.150	H	-16.41	-13	-3.41
	19601.081	V	-15.99	-13	-2.99

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink – GSM – 1989.750 MHz		
			Conformance Standards
			[X] IC RSS-131
			[X] FCC Part 24

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3979.906	H	-39.75	-13	-26.75
	3978.494	V	-39.02	-13	-26.02
3rd	5969.869	H	-37.80	-13	-24.8
	5969.275	V	-38.06	-13	-25.06
4th	7957.956	H	-32.50	-13	-19.5
	7959.750	V	-30.03	-13	-17.03
5th	9949.031	H	-28.67	-13	-15.67
	9947.588	V	-27.95	-13	-14.95
6th	11938.587	H	-26.58	-13	-13.58
	11938.881	V	-26.44	-13	-13.44
7th	13927.263	H	-22.22	-13	-9.22
	13927.419	V	-22.50	-13	-9.5
8th	15917.331	H	-19.99	-13	-6.99
	15918.325	V	-19.98	-13	-6.98
9th	17906.638	H	-19.43	-13	-6.43
	17908.413	V	-19.07	-13	-6.07
10th	19898.169	H	-16.69	-13	-3.69
	19896.306	V	-17.00	-13	-4

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink – TDMA – 1930.025 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3860.287	H	-39.30	-13	-26.3
	3860.731	V	-39.10	-13	-26.1
3rd	5791.006	H	-38.96	-13	-25.96
	5790.275	V	-38.39	-13	-25.39
4th	7721.206	H	-31.84	-13	-18.84
	7720.394	V	-31.23	-13	-18.23
5th	9651.069	H	-29.87	-13	-16.87
	9650.287	V	-29.93	-13	-16.93
6th	11580.775	H	-27.19	-13	-14.19
	11581.238	V	-27.56	-13	-14.56
7th	13509.662	H	-23.89	-13	-10.89
	13510.950	V	-22.87	-13	-9.87
8th	15440.463	H	-21.03	-13	-8.03
	15440.813	V	-20.42	-13	-7.42
9th	17371.419	H	-19.83	-13	-6.83
	17370.031	V	-20.00	-13	-7
10th	19301.062	H	-16.71	-13	-3.71
	19300.231	V	-16.54	-13	-3.54

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		
	Downlink – TDMA – 1960.000 MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 24			

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3919.925	H	-38.99	-13	-25.99
	3919.363	V	-39.36	-13	-26.36
3rd	5880.356	H	-37.53	-13	-24.53
	5880.469	V	-37.46	-13	-24.46
4th	7840.212	H	-30.22	-13	-17.22
	7840.131	V	-30.90	-13	-17.9
5th	9800.806	H	-29.67	-13	-16.67
	9799.438	V	-29.09	-13	-16.09
6th	11759.250	H	-26.64	-13	-13.64
	11760.938	V	-26.87	-13	-13.87
7th	13719.669	H	-22.48	-13	-9.48
	13720.406	V	-22.39	-13	-9.39
8th	15679.825	H	-20.33	-13	-7.33
	15680.538	V	-19.11	-13	-6.11
9th	17640.106	H	-17.78	-13	-4.78
	17640.625	V	-19.15	-13	-6.15
10th	19600.137	H	-17.08	-13	-4.08
	19600.475	V	-16.51	-13	-3.51

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Downlink – TDMA – 1989.975 MHz		

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3980.681	H	-40.37	-13	-27.37
	3979544	V	-39.52	-13	-26.52
3rd	5970.250	H	-38.68	-13	-25.68
	5970.219	V	-39.14	-13	-26.14
4th	7959.300	H	-31.37	-13	-18.37
	7959.887	V	-30.16	-13	-17.16
5th	9951.094	H	-29.25	-13	-16.25
	9950.494	V	-28.92	-13	-15.92
6th	11940.606	H	-26.74	-13	-13.74
	11938.613	V	-26.95	-13	-13.95
7th	13930.525	H	-22.99	-13	-9.99
	13930.456	V	-23.71	-13	-10.71
8th	15920.075	H	-19.94	-13	-6.94
	15919.663	V	-20.32	-13	-7.32
9th	17910.769	H	-19.95	-13	-6.95
	17909.268	V	-19.61	-13	-6.61
10th	19899.250	H	-16.77	-13	-3.77
	1989.588	V	-16.70	-13	-3.7

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Downlink – CDMA - 1931 MHz		

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3862.062	H	-38.88	-13	-25.88
	3862.719	V	-40.21	-13	-27.21
3rd	5793.087	H	-38.28	-13	-25.28
	5792.081	V	-38.86	-13	-25.86
4th	7724.188	H	-30.91	-13	-17.91
	7724.056	V	-31.96	-13	-18.96
5th	9655.262	H	-30.40	-13	-17.4
	9656.231	V	-30.31	-13	-17.31
6th	11585.356	H	-28.11	-13	-15.11
	11585.869	V	-27.60	-13	-14.6
7th	13516.656	H	-22.61	-13	-9.61
	13516.931	V	-24.06	-13	-11.06
8th	15448.706	H	-20.73	-13	-7.73
	15477.288	V	-21.58	-13	-8.58
9th	17378.438	H	-19.65	-13	-6.65
	17378.794	V	-19.28	-13	-6.28
10th	19309.300	H	-16.78	-13	-3.78
	19309.094	V	-17.23	-13	-4.23

* Measurement made at instrument ground floor – no discernible reading


FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Downlink – CDMA - 1960 MHz		

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	1919.262	H	-39.67	-13	-26.67
	3920.056	V	-38.72	-13	-25.72
3rd	5879.962	H	-37.65	-13	-24.65
	5879.406	V	-38.59	-13	-25.59
4th	7839.769	H	-33.08	-13	-20.08
	7841.113	V	-29.42	-13	-16.42
5th	9800.488	H	-29.01	-13	-16.01
	9800.925	V	-29.29	-13	-16.29
6th	11759.594	H	-26.57	-13	-13.57
	11760.881	V	-27.08	-13	-14.08
7th	13720.538	H	-22.50	-13	-9.5
	13720.531	V	-23.02	-13	-10.02
8th	15678.938	H	-19.83	-13	-6.83
	15679.012	V	-20.06	-13	-7.06
9th	17641.088	H	-18.35	-13	-5.35
	17639.881	V	-19.61	-13	-6.61
10th	19599.963	H	-16.83	-13	-3.83
	19601.225	V	-16.63	-13	-3.63

* Measurement made at instrument ground floor – no discernible reading

FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, UPLINK.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	78116	Date:	12 Jun 2007
Customer:	Janizary Holdings, Inc.		
Model Number:	CBHP1900		
Description:	RF amplifier		Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 24
	Downlink – CDMA - 1989 MHz		

Harmonics	Freq In MHz	Antenna Polar	dBm Reading	-13dB Limit	Margin
2nd	3978.787	H	-38.91	-13	-25.91
	3978.325	V	-39.20	-13	-26.2
3rd	5967.475	H	-38.02	-13	-25.02
	5967.850	V	-37.37	-13	-24.37
4th	7955.975	H	-30.45	-13	-17.45
	7957.219	V	-30.79	-13	-17.79
5th	9945.681	H	-28.22	-13	-15.22
	9944.044	V	-28.30	-13	-15.3
6th	11933.325	H	-26.49	-13	-13.49
	11934.925	V	-26.18	-13	-13.18
7th	13923.806	H	-22.64	-13	-9.64
	13923.338	V	-22.46	-13	-9.46
8th	15912.875	H	-20.48	-13	-7.48
	15911.494	V	-20.35	-13	-7.35
9th	17900.300	H	-16.12	-13	-3.12
	17900.906	V	-18.56	-13	-5.56
10th	19890.494	H	-16.77	-13	-3.77
	19889.169	V	-16.90	-13	-3.9

* Measurement made at instrument ground floor – no discernible reading

RADIATED EMISSIONS

Definition:

Emissions which emanate from the EUT.


Test Method: FCC Part 15 Class B (CISPR 22)

To measure radiated emissions, the EUT was set up on the 3 meter open air test site. The EUT is placed on a wooden Table, which rests upon a wooden turntable. The top of the table is one meter above the ground, and the turntable can be rotated 360 degrees. For each frequency measured, the antenna is raised and lowered for both horizontal and vertical polarities to obtain the maximum reading on the analyzer. The turntable is also rotated throughout the 360 degrees in azimuth to determine the position of the maximum emissions. The applicable frequency range is searched using the antennas listed below. The respective antenna and preamplifier were connected to an HP 8568B Spectrum Analyzer. Preamplifiers were used for all ranges to achieve the needed dynamic range.

Test Results:

All readings were below the expectable limit.

FIGURE 9: RADIATED EMISSIONS.

		5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704				Radiated Emissions											
DNB Job Number:		78116				Date:			12 Jun 2007			Conformance Standards [X] FCC Part 15					
Customer:		Janizary Holdings, Inc.															
Model Number:		CBHP1900															
Description:		RF amplifier															
FREQ	METER	Correction Factors					in dBuV/m			in uV/m			Positions				
		Bcn	Log	Cbl	Amp	Dis	Corr	Lim	Delta	Corr	Lim	Delta	Typ	Tbl	Pl	Hgt	
44.618	27.6	12.1	0.0	0.9	-23.8	0.0	16.8	40.0	-23.2	7	100	-93	PK	6	H	3.01	
56.472	27.1	10.5	0.0	1.0	-23.7	0.0	14.9	40.0	-25.1	6	100	-94	PK	6	H	3.01	
126.590	24.4	10.7	0.0	1.7	-23.7	0.0	13.1	43.5	-30.4	5	150	-145	PK	6	H	3.01	
155.340	23.4	12.4	0.0	1.9	-23.7	0.0	14.0	43.5	-29.5	5	150	-145	PK	16	H	1.21	
208.870	24.2	0.0	11.0	2.3	-23.9	0.0	13.6	43.5	-29.9	5	150	-145	PK	9	H	1.95	
256.790	25.1	0.0	12.0	2.5	-24.2	0.0	15.4	46.0	-30.6	6	200	-194	PK	17	H	1.62	
399.890	24.0	0.0	17.7	3.1	-24.5	0.0	20.3	46.0	-25.7	10	200	-190	PK	5	H	1.78	
44.637	33.5	12.1	0.0	0.9	-23.8	0.0	22.7	40.0	-17.3	14	100	-86	PK	17	V	1.15	
56.000	33.8	10.6	0.0	1.0	-23.7	0.0	21.7	40.0	-18.3	12	100	-88	PK	41	V	1.03	
126.966	24.3	10.7	0.0	1.7	-23.7	0.0	13.0	43.5	-30.5	4	150	-146	PK	86	V	1.21	
155.726	26.4	12.4	0.0	1.9	-23.7	0.0	17.0	43.5	-26.5	7	150	-143	PK	147	V	1.34	
227.700	23.2	0.0	11.3	2.4	-24.2	0.0	12.7	46.0	-33.3	4	200	-196	PK	59	V	1.15	
260.330	25.4	0.0	12.1	2.5	-24.2	0.0	15.8	46.0	-30.2	6	200	-194	PK	81	V	1.00	
410.900	25.6	0.0	17.9	3.2	-24.5	0.0	22.2	46.0	-23.8	13	200	-187	PK	113	V	1.00	

2.1055 Measurement of Frequency Stability (IC RSS-131)

The EUT is a power amplifier and contains no circuitry for generating or stabilizing the RF signal. The driver will be responsible for this task.

2.1057 Frequency Spectrum to be Investigated

The Frequency was searched from the lowest radio frequency generated in the equipment through the 10th harmonic of the carrier frequency.

RF Exposure

The CBHP1900 (1900 MHz) single band RF Compensator is operated as a signal booster as defined in 2.1091(b) based on its design and installation. The compensator is installed in such a way that it is physically secured and is generally located more than 20 cm from the end-user. This information is included in the user manual. It is suggested that the antenna be installed such that there is at least 20 cm of separation between user and the antenna.

RF Exposure – MPE Calculations

Input

Transmitter Power: 664mW @ 1850-1910MHz (Uplink)
566mW @ 1930-1990MHz (Downlink)

Antenna Gain: 3 dBi all cases

Cable loss: 2.5 dB @ 1850–1910 MHz and 1930-1990MHz

Frequency range: 1850-1910MHz (Uplink)
1930-1990MHz (Downlink)

Assumptions

1. A single ¼ wavelength radiating antenna is assumed.
2. Closest exposure distance is assumed to be 20 cm

RF Exposure – MPE Calculations

Calculations for Uplink

The following results shall be assumed to be accurate for the far-field only. These predictions will over-estimate power density in the near-field. Based on the use of a $\frac{1}{4}$ wavelength radiator, a distance of 20 cm is considered to be in the far-field for all cases.

$$S = PG/4*\pi*R^2$$

1850 – 1910 MHz

P is 664 mW

G is 0.5 dBi (Antenna gain – loss) or $10^{(0.5/10)}$ or 1.12 Numerical

R is 20 cm

$$\underline{S = 0.148292\text{mW/cm}^2}$$

For Occupational/Controlled Exposure

From 1,500 to 100,000 MHz, power density limit is **5 mW/cm² for 6 minutes.**

For General Population/Uncontrolled Exposure

From 1,500 to 100,000 MHz, power density limit is **1 mW/cm² for 30 minutes.**

Conclusion: Meets MPE limits

RF Exposure – MPE Calculations

Calculations for Downlink

The following results shall be assumed to be accurate for the far-field only. These predictions will over-estimate power density in the near-field. Based on the use of a $\frac{1}{4}$ wavelength radiator, a distance of 20 cm is considered to be in the far-field for all cases.

$$S = PG/4*\pi*R^2$$

1930 – 1990 MHz

P is 566 mW

G is 0.5 dBi (Antenna gain – loss) or $10^{(0.5/10)}$ or 1.12 Numerical

R is 20 cm

$$\underline{S = 0.126406\text{mW/cm}^2}$$

For Occupational/Controlled Exposure

From 1,500 to 100,000 MHz, power density limit is **5 mW/cm² for 6 minutes.**

For General Population/Uncontrolled Exposure

From 1,500 to 100,000 MHz, power density limit is **1 mW/cm² for 30 minutes.**

Conclusion: Meets MPE limits

Appendix A

Photographs

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PHOTOS: RADIATED EMISSIONS: BICON

Notes:



PHOTOS: RADIATED EMISSIONS: LOG

Notes:



PHOTOS: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS

Notes:



PHOTO: RF POWER OUTPUT, EMISSIONS LIMITATIONS GSM/TDMA, OCCUPIED BANDWIDTH GSM/TDMA, CONDUCTED SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Notes:

