


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1930.275 MHz - Output				

* Agilent 12:32:57 Feb 7, 2006

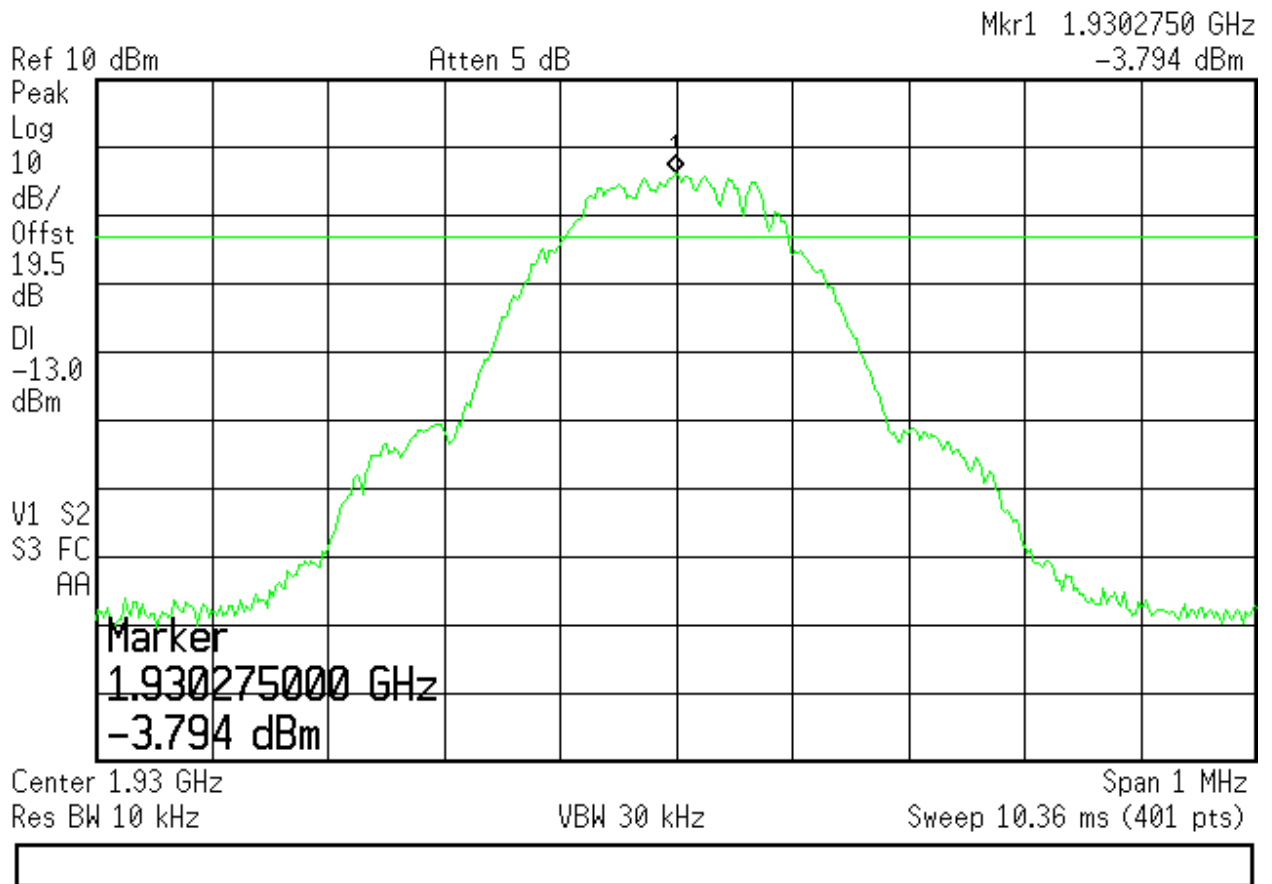

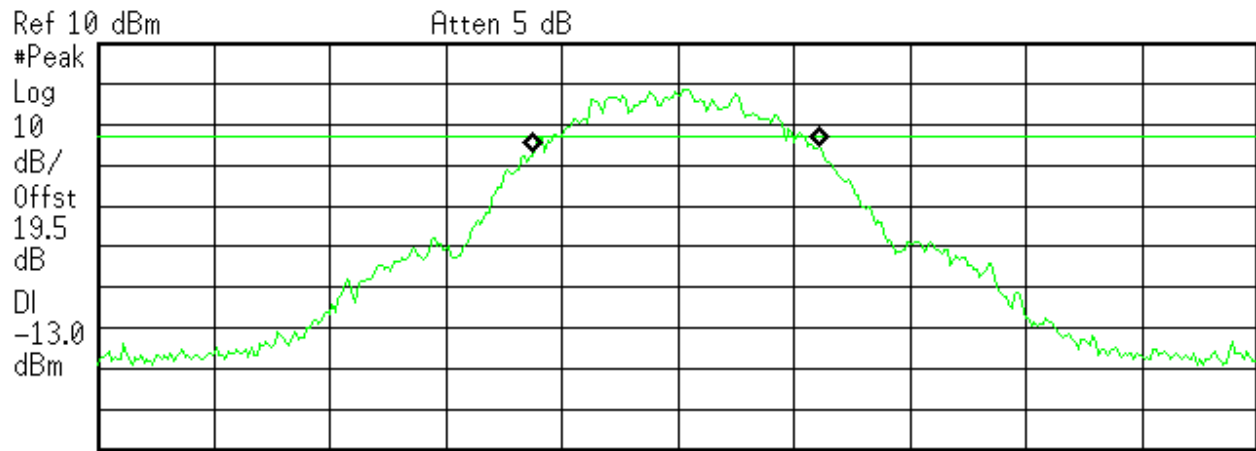


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1960 MHz				

* Agilent 12:40:13 Feb 7, 2006



Center 1.96 GHz Span 1 MHz
 Res BW 10 kHz VBW 100 kHz Sweep 10.03 ms (401 pts)


Occupied Bandwidth
 242.7469 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -400.274 Hz
x dB Bandwidth 310.182 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1960 MHz - Input				

* Agilent 11:44:25 Feb 7, 2006

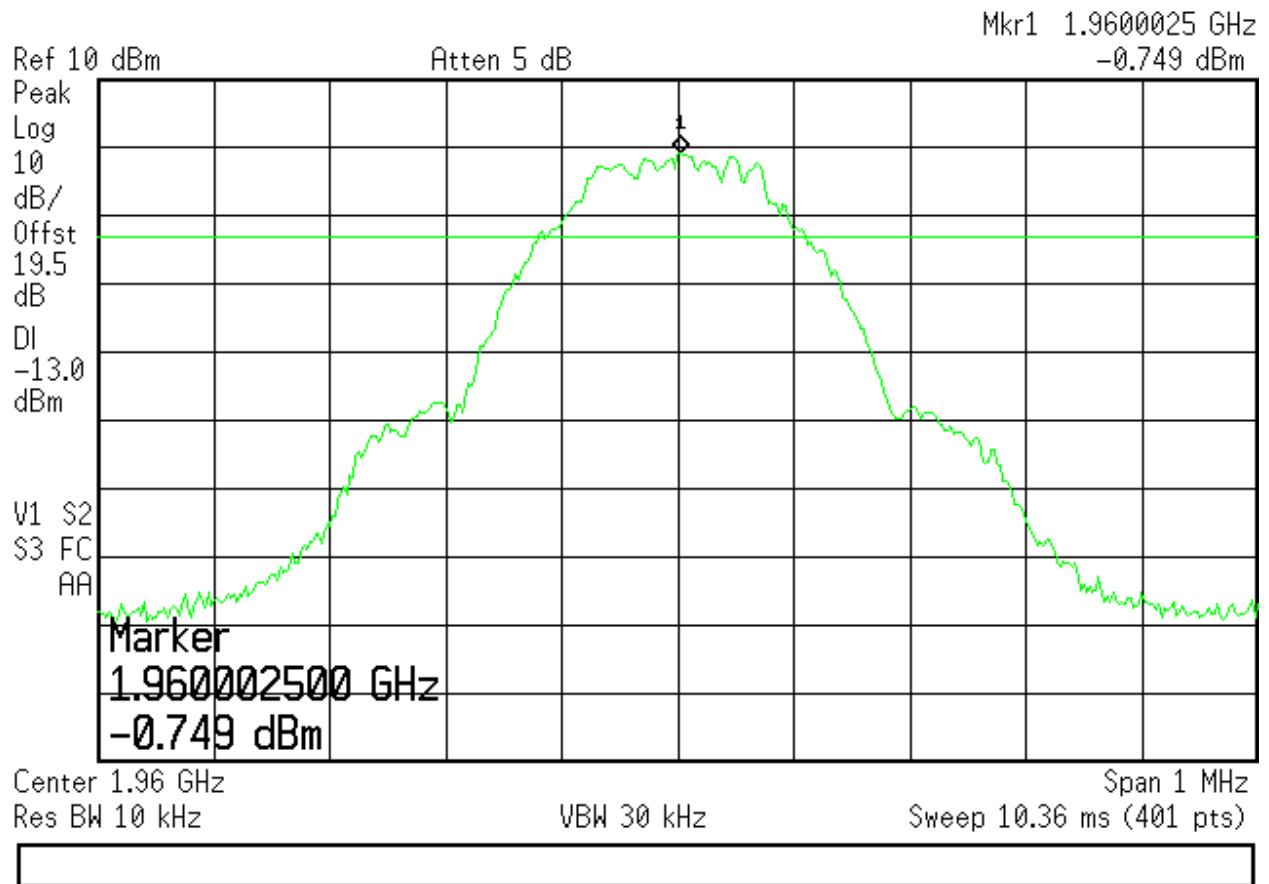



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1960 MHz - Output				

* Agilent 12:33:25 Feb 7, 2006

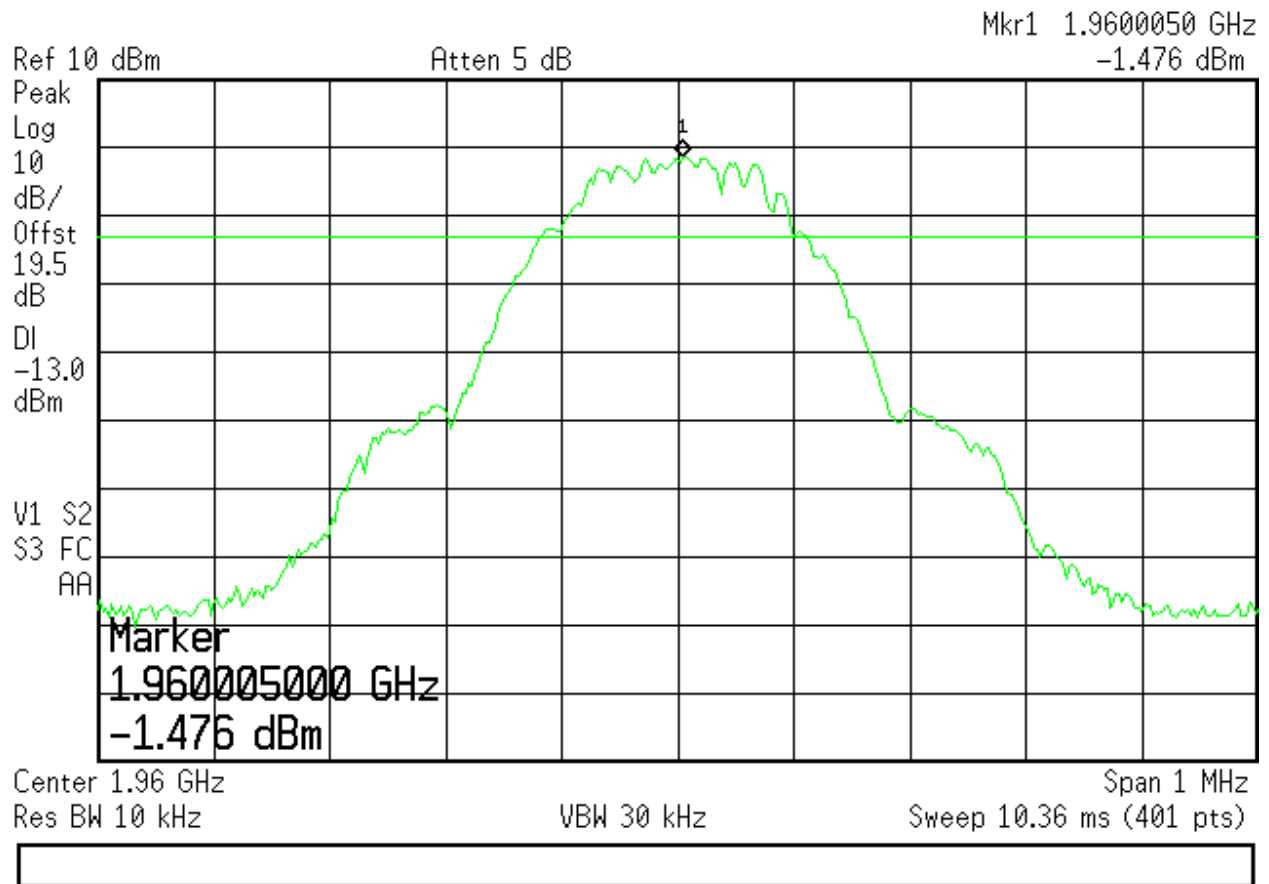

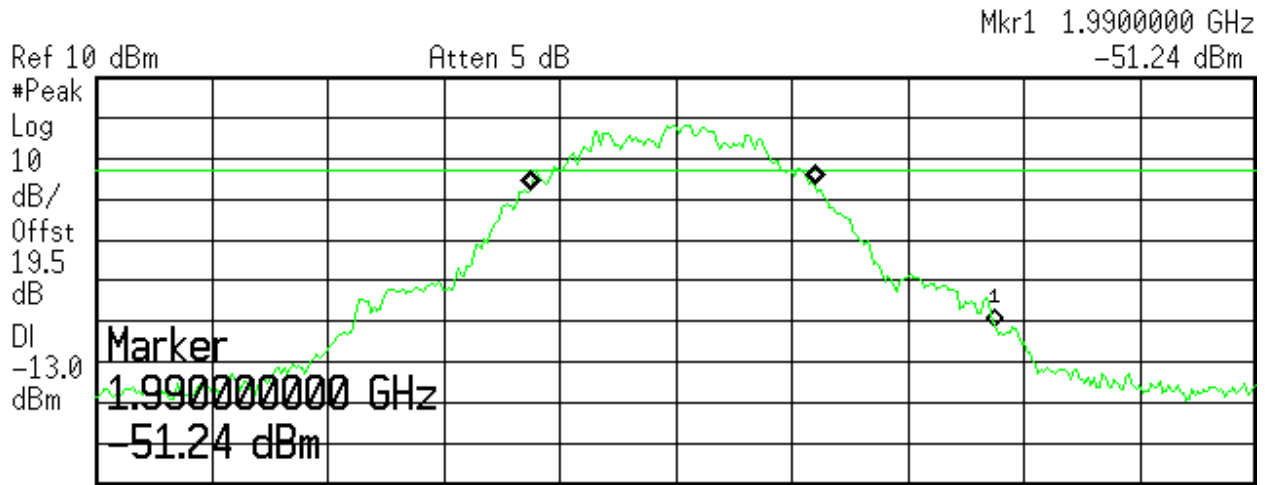


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1989.725 MHz				

* Agilent 12:41:04 Feb 7, 2006



Center 1.99 GHz Span 1 MHz
 Res BW 10 kHz VBW 100 kHz Sweep 10.03 ms (401 pts)


Occupied Bandwidth
 245.2578 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -4.873 kHz
x dB Bandwidth 306.977 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1989.725 MHz - Input				

* Agilent 11:45:08 Feb 7, 2006

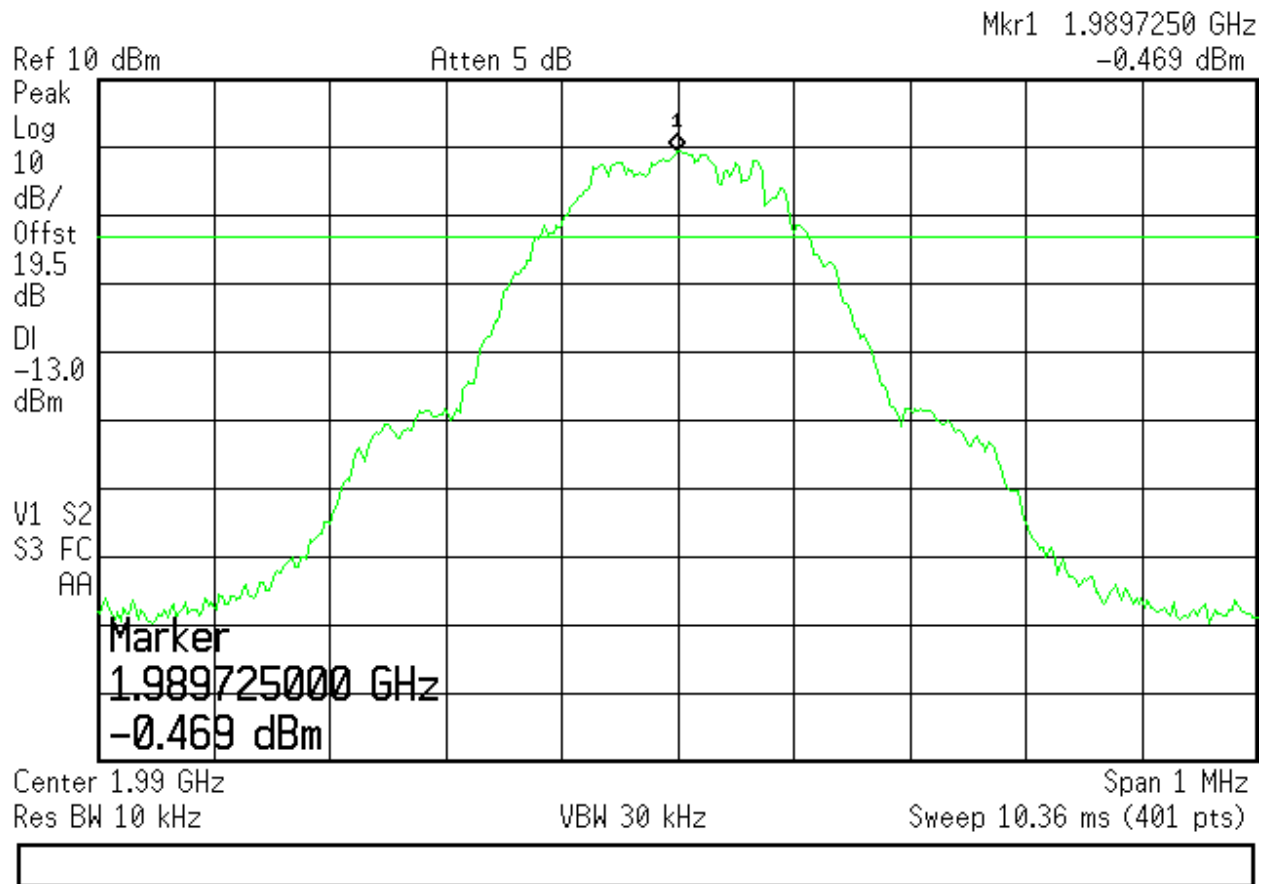



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006		Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1989.725 MHz - Output				

* Agilent 12:34:02 Feb 7, 2006

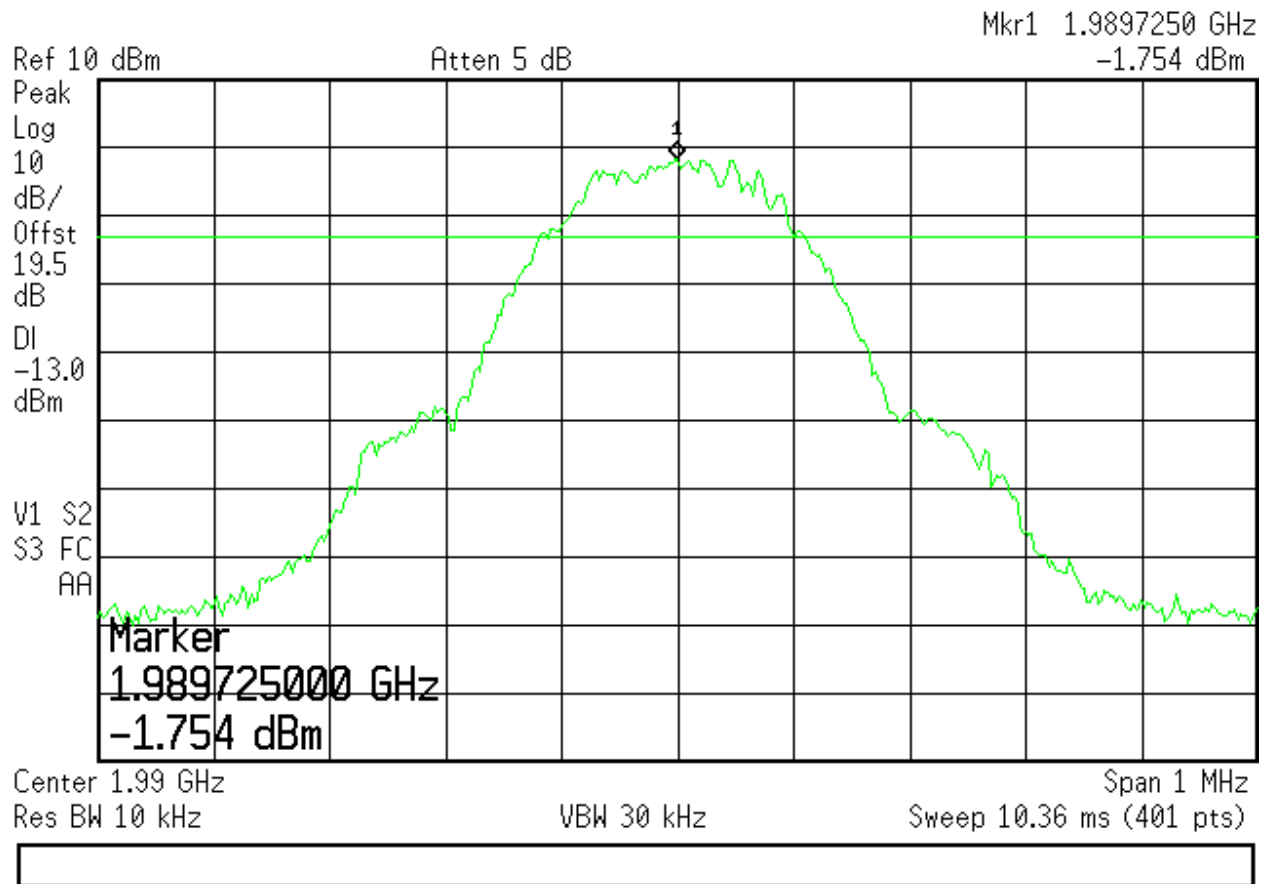

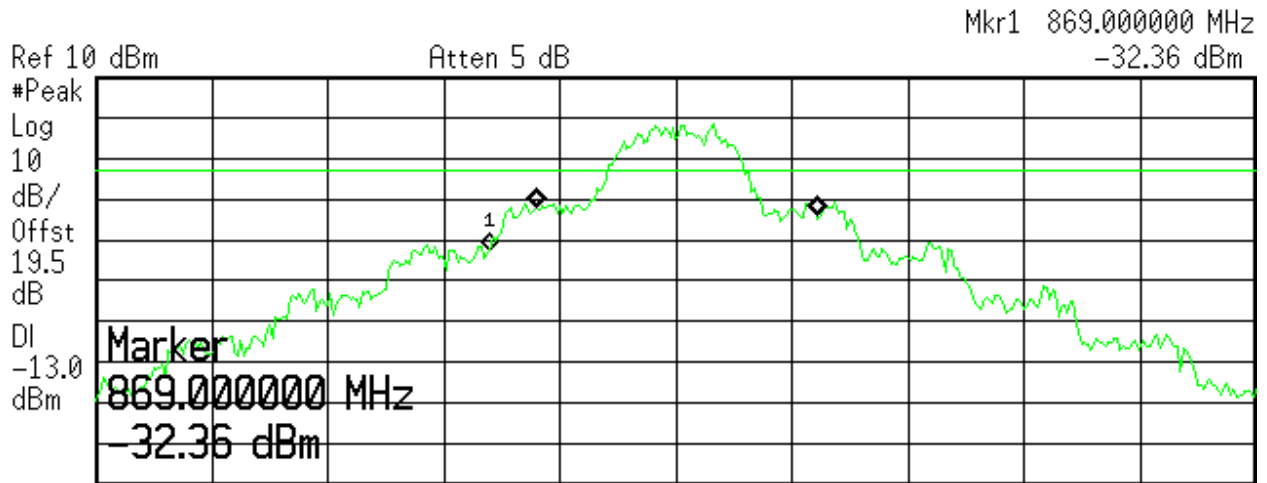


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 869.040 MHz				

* Agilent 11:16:44 Feb 7, 2006



Center 869 MHz Span 250 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 250.8 ms (401 pts)


Occupied Bandwidth
 61.8418 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 435.547 Hz
x dB Bandwidth 75.815 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 869.040 MHz - Input				

* Agilent 11:12:28 Feb 7, 2006

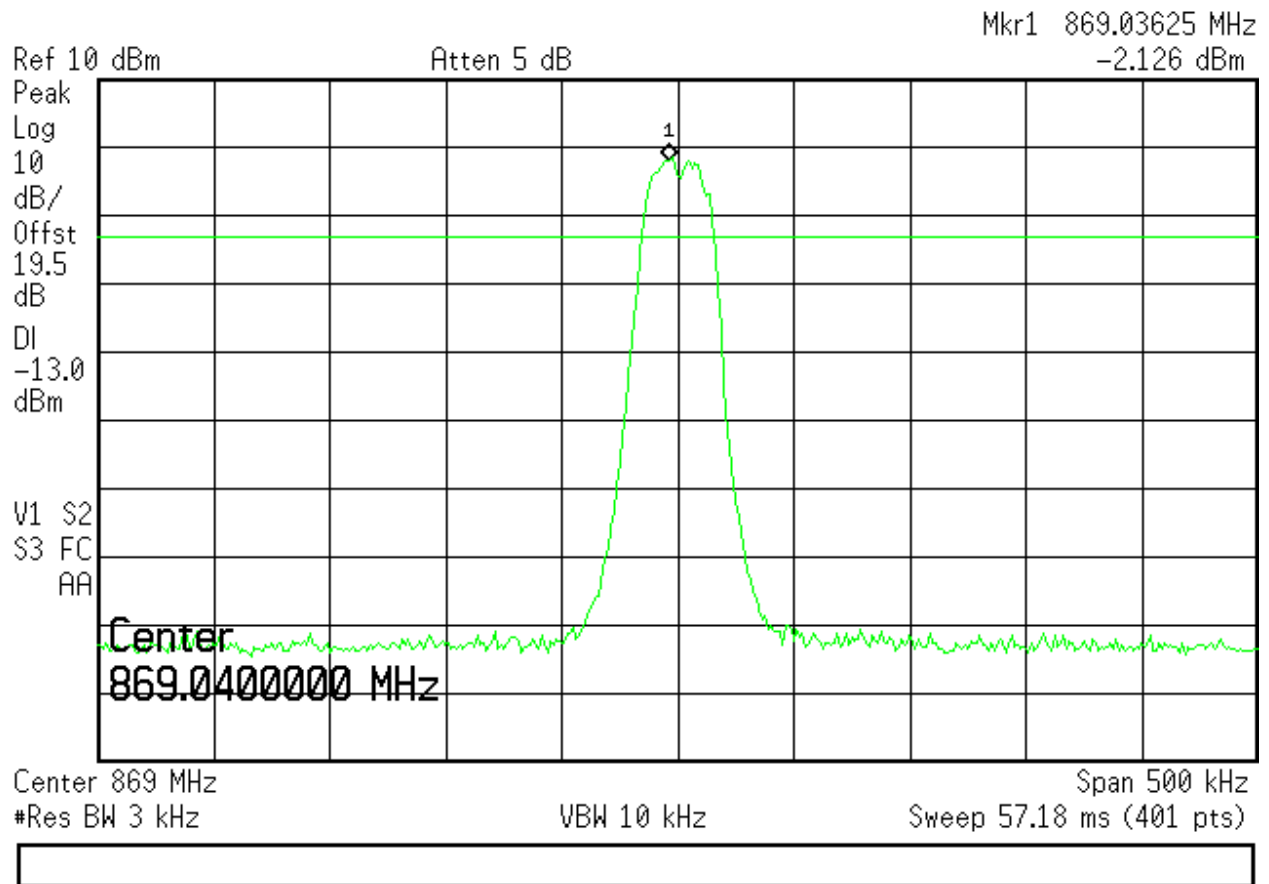



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006		Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 869.040 MHz - Ouputt				

* Agilent 11:09:54 Feb 7, 2006

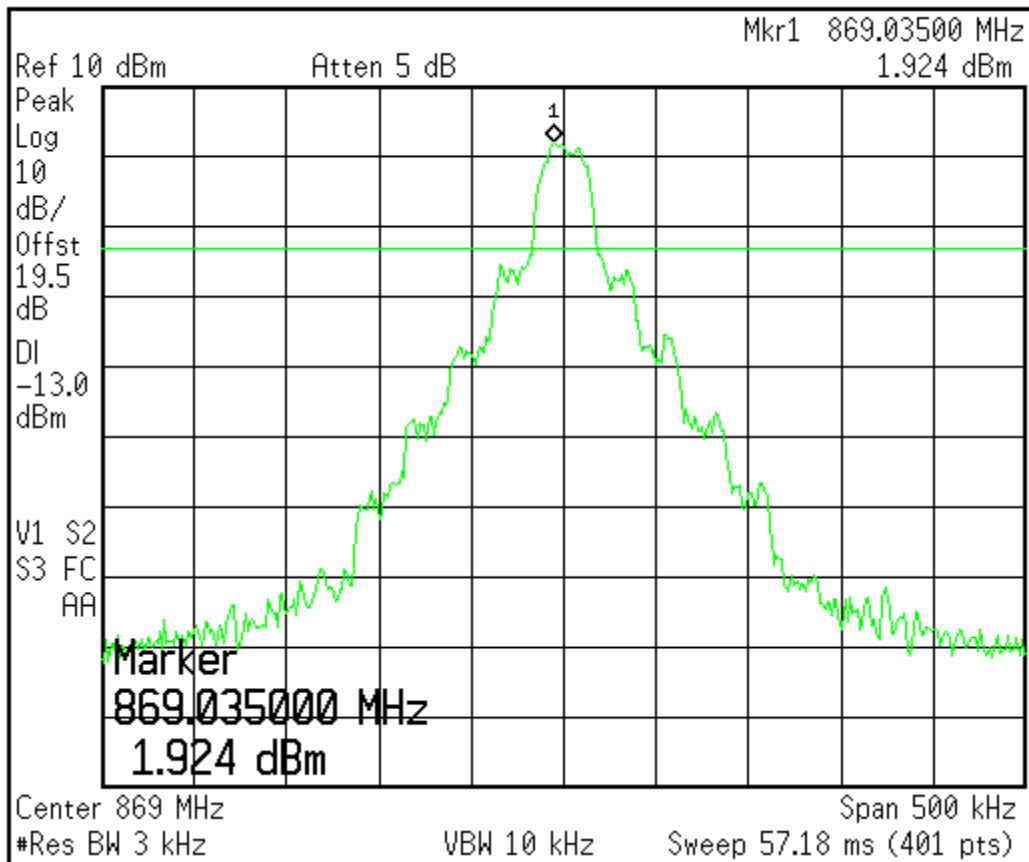

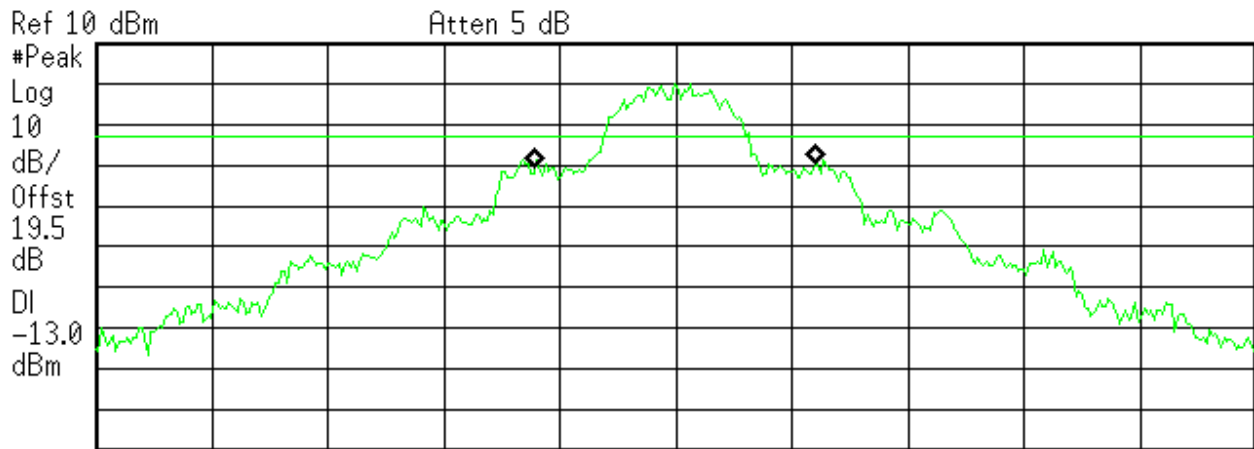


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Occupied Bandwidth	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 881.5 MHz				

* Agilent 11:17:37 Feb 7, 2006



Center 881.5 MHz Span 250 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 250.8 ms (401 pts)


Occupied Bandwidth
 61.4573 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -339.889 Hz
x dB Bandwidth 76.130 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 881.5 MHz - Input				

* Agilent 11:13:00 Feb 7, 2006

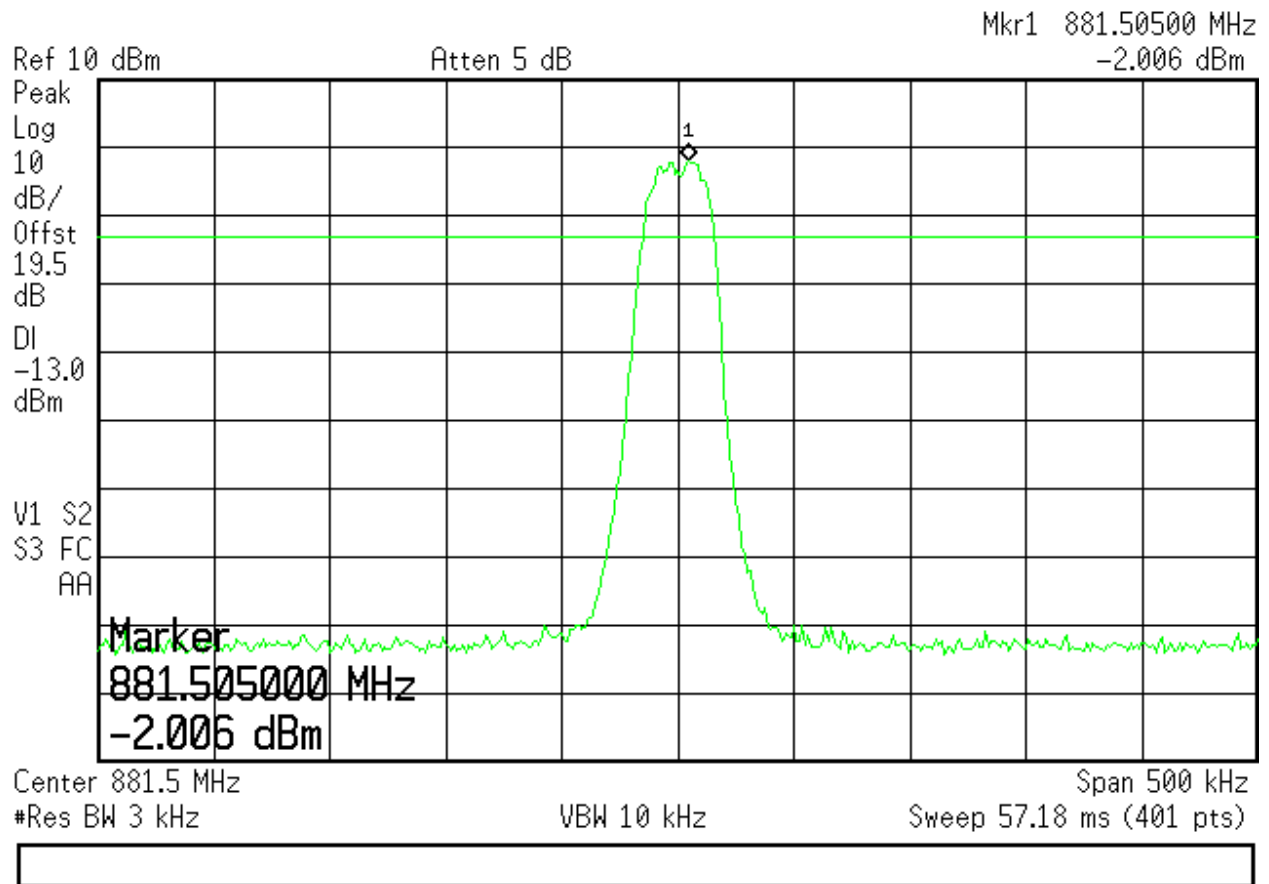



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 881.5 MHz - Output				

* Agilent 11:10:33 Feb 7, 2006

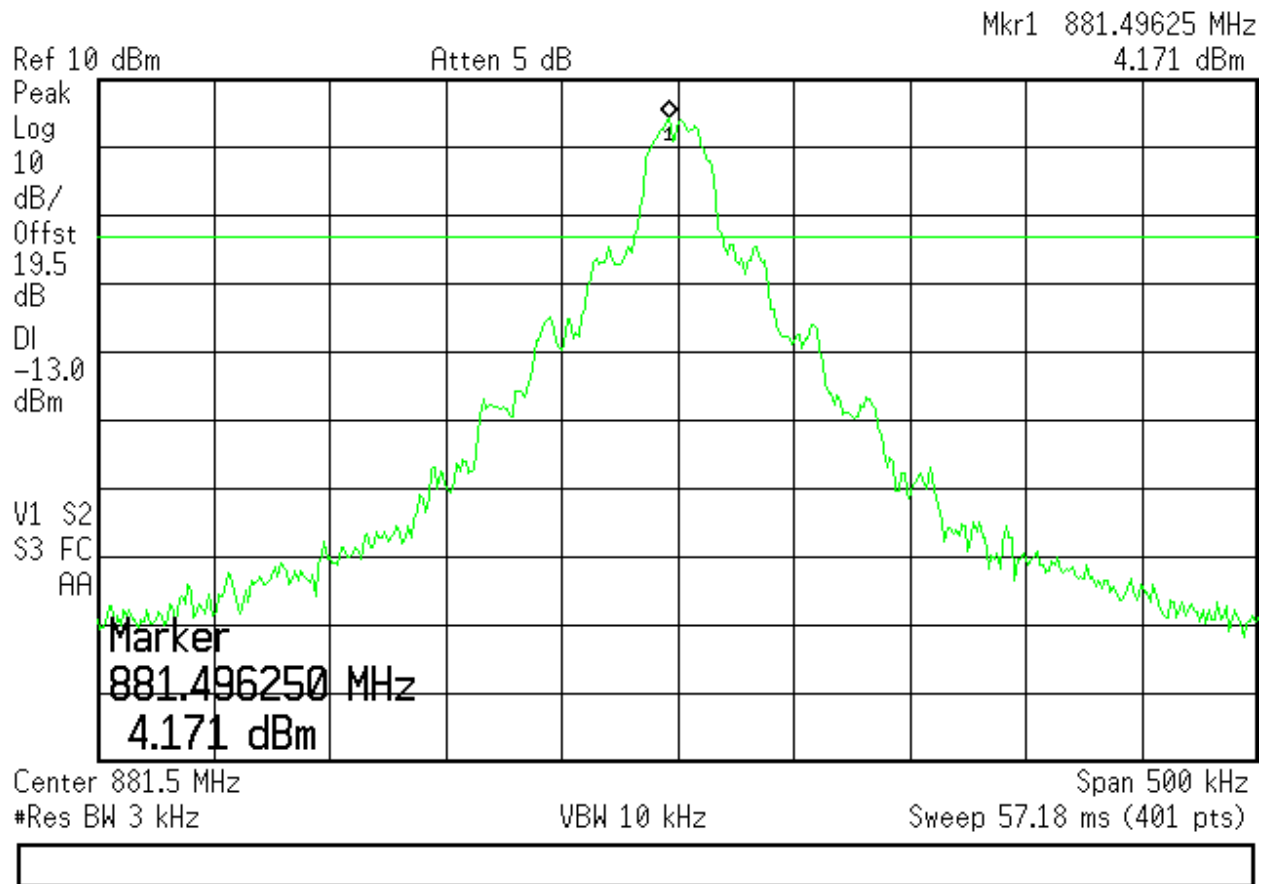

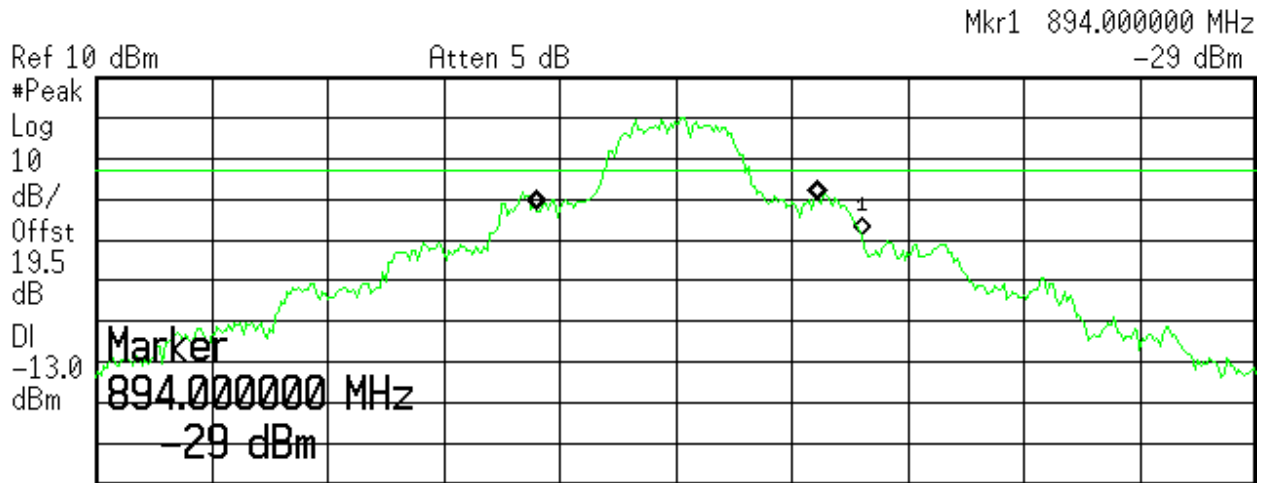


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 893.960 MHz				

* Agilent 11:18:36 Feb 7, 2006



Center 894 MHz Span 250 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 250.8 ms (401 pts)


Occupied Bandwidth
 60.2135 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 652.527 Hz
x dB Bandwidth 76.269 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 893.960 MHz - Input				

* Agilent 11:13:33 Feb 7, 2006

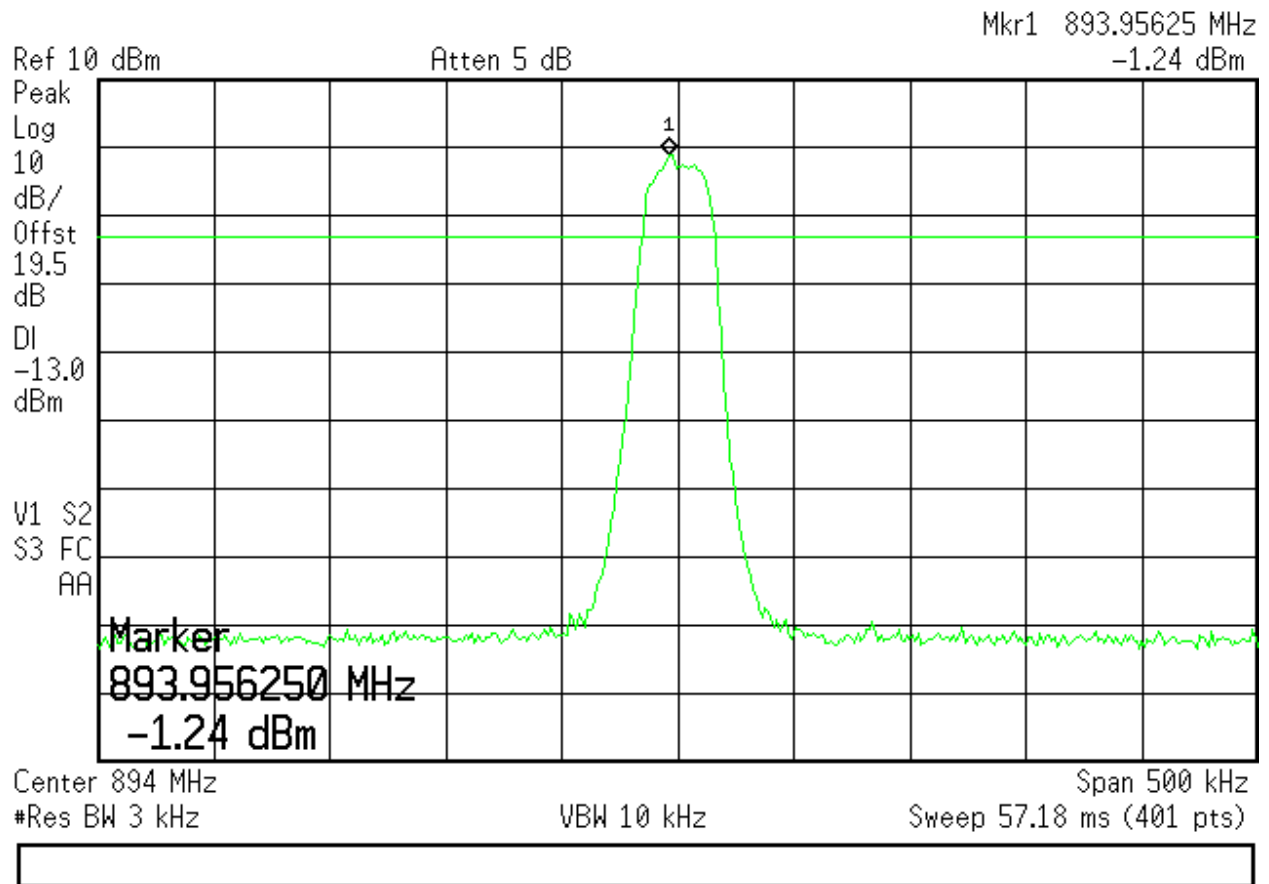



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 893.960 MHz - Output				

* Agilent 11:11:13 Feb 7, 2006

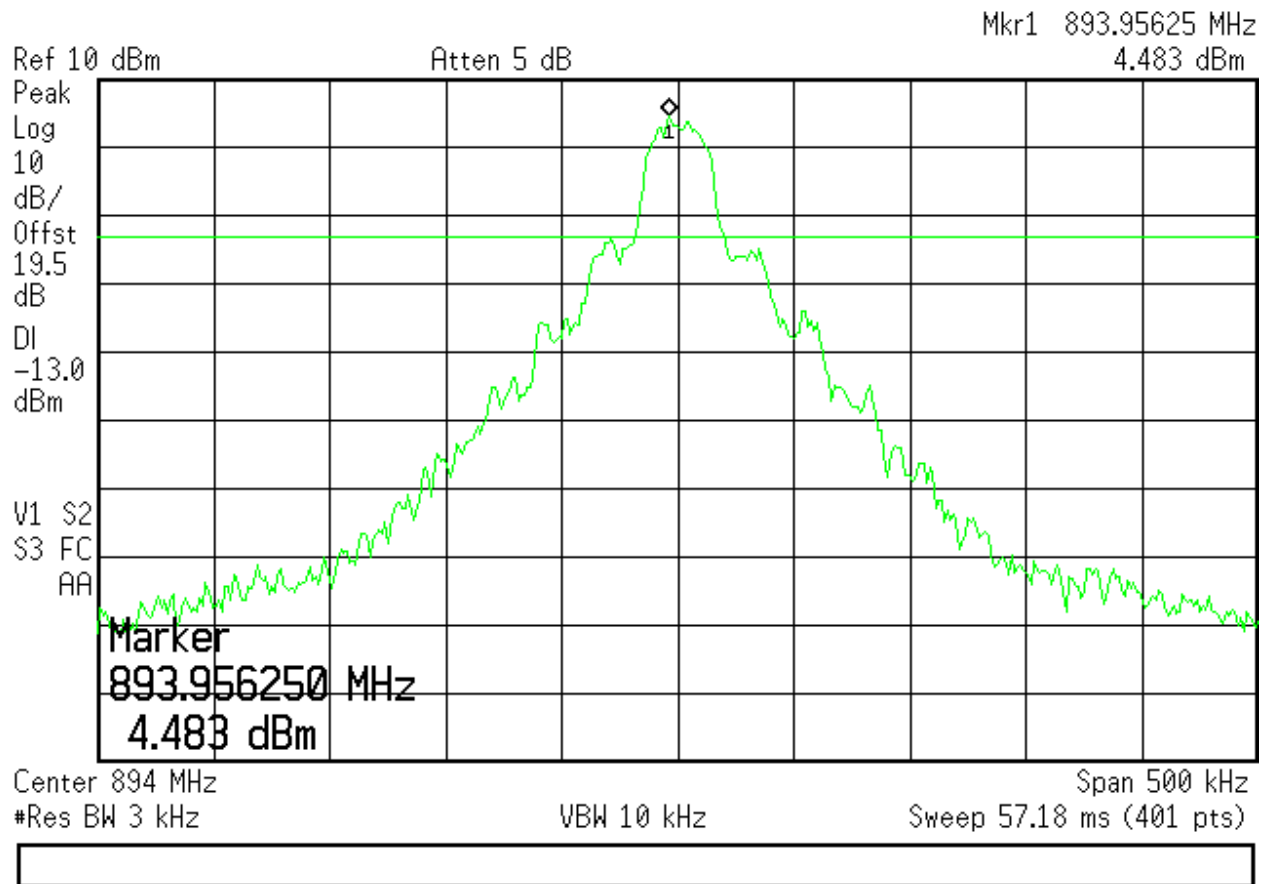

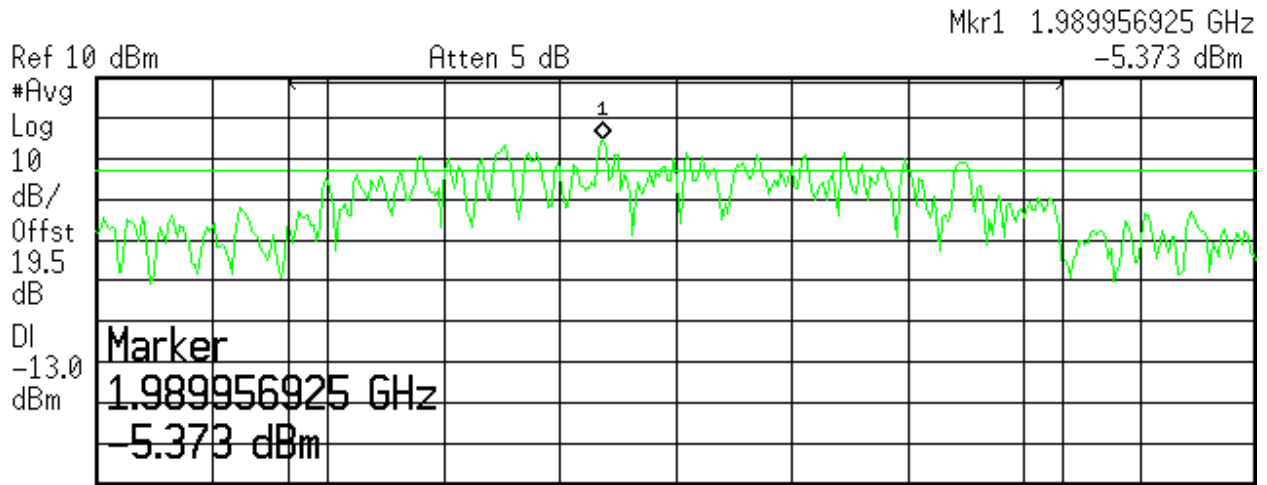


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Occupied Bandwidth	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1930.040 MHz				

* Agilent 11:27:34 Feb 7, 2006



Center 1.99 GHz Span 49.2 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 78.05 ms (401 pts)

Channel Power


0.24 dBm /32.8000 kHz

Power Spectral Density

-44.92 dBm/Hz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1930.040 MHz - Input				

* Agilent 11:38:32 Feb 7, 2006

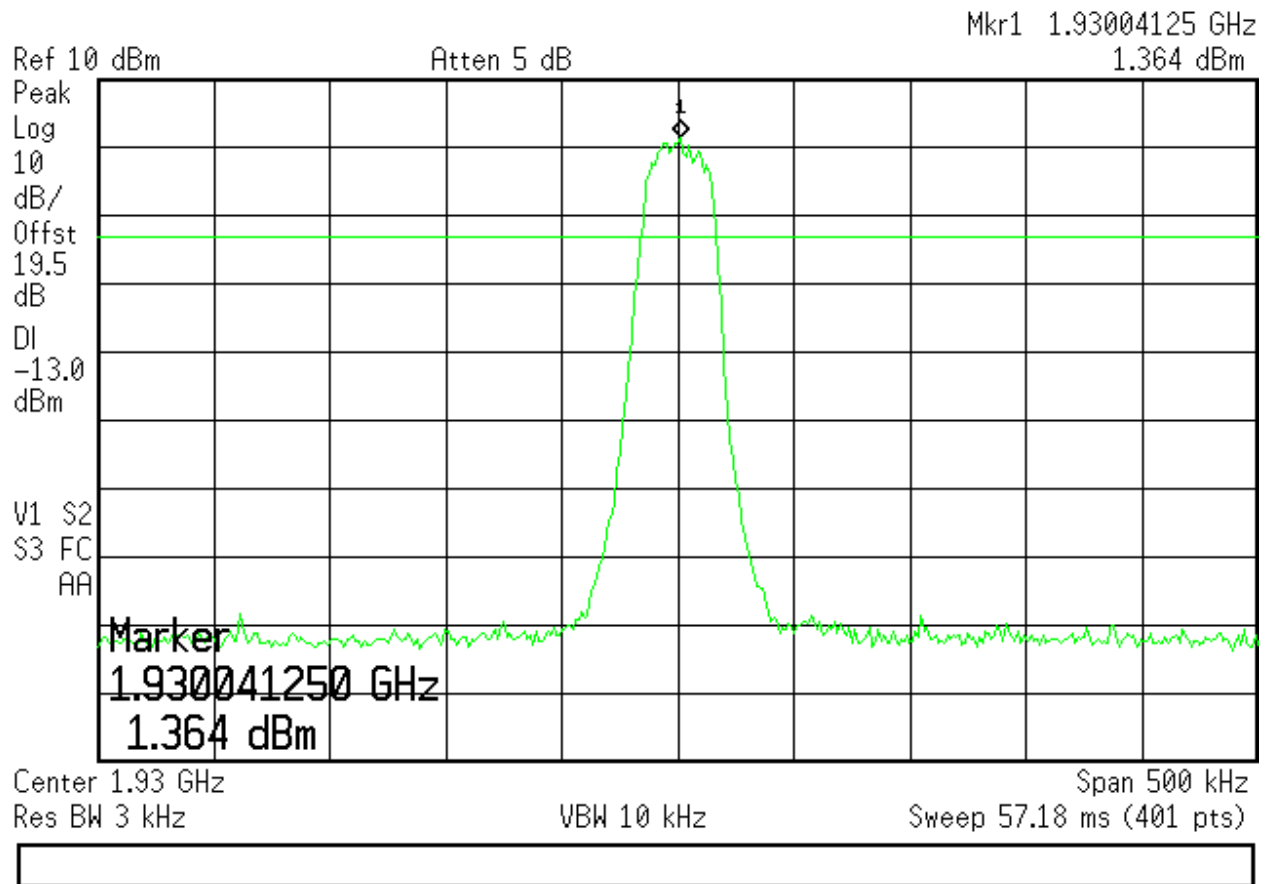



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 22 <input checked="" type="checkbox"/> FCC Part 24 <input checked="" type="checkbox"/> FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1930.040 MHz - Output				

* Agilent 11:35:52 Feb 7, 2006

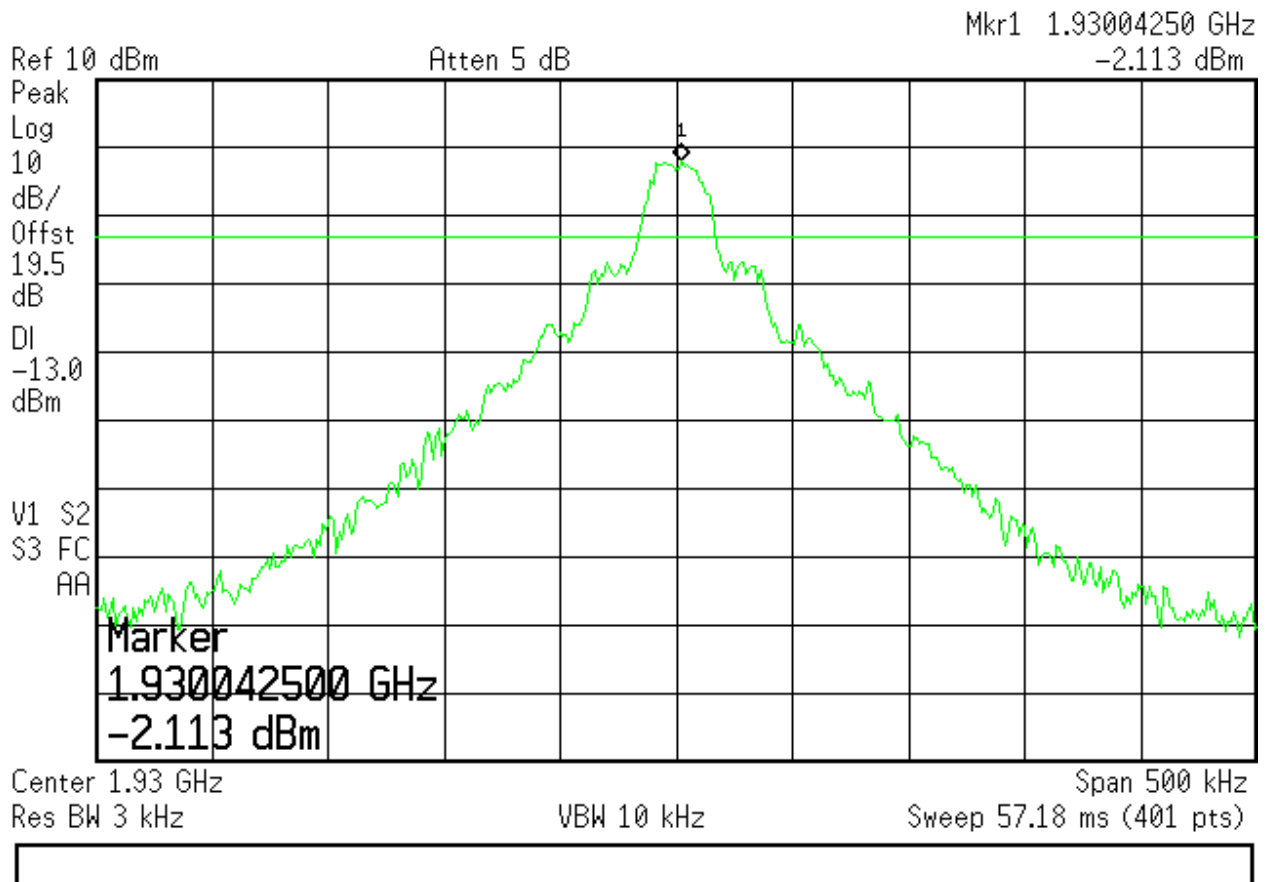

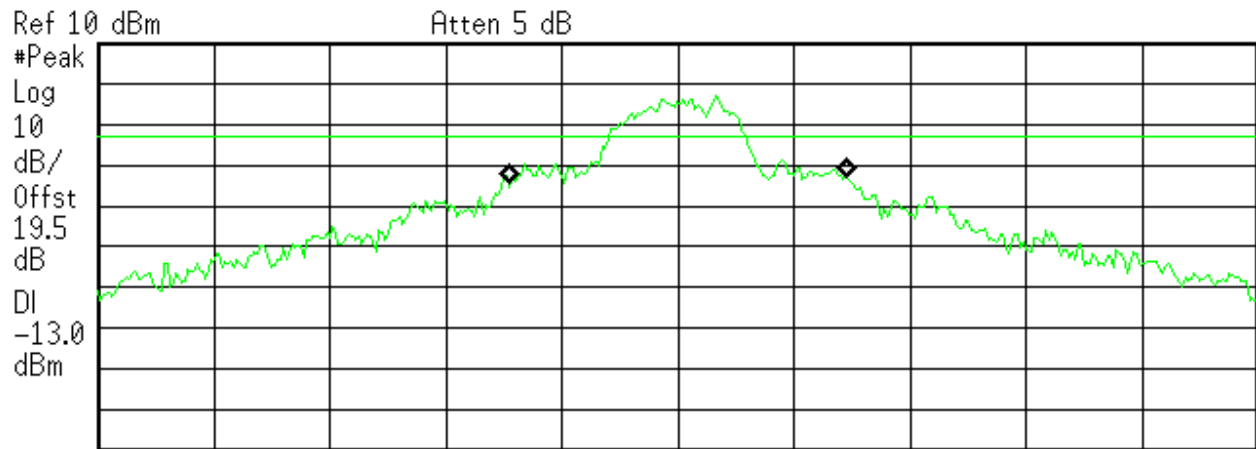


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1960 MHz				

* Agilent 11:29:08 Feb 7, 2006



Center 1.96 GHz Span 250 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 250.8 ms (401 pts)


Occupied Bandwidth
71.4223 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 285.873 Hz
x dB Bandwidth 103.101 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1960 MHz - Input				

* Agilent 11:39:01 Feb 7, 2006

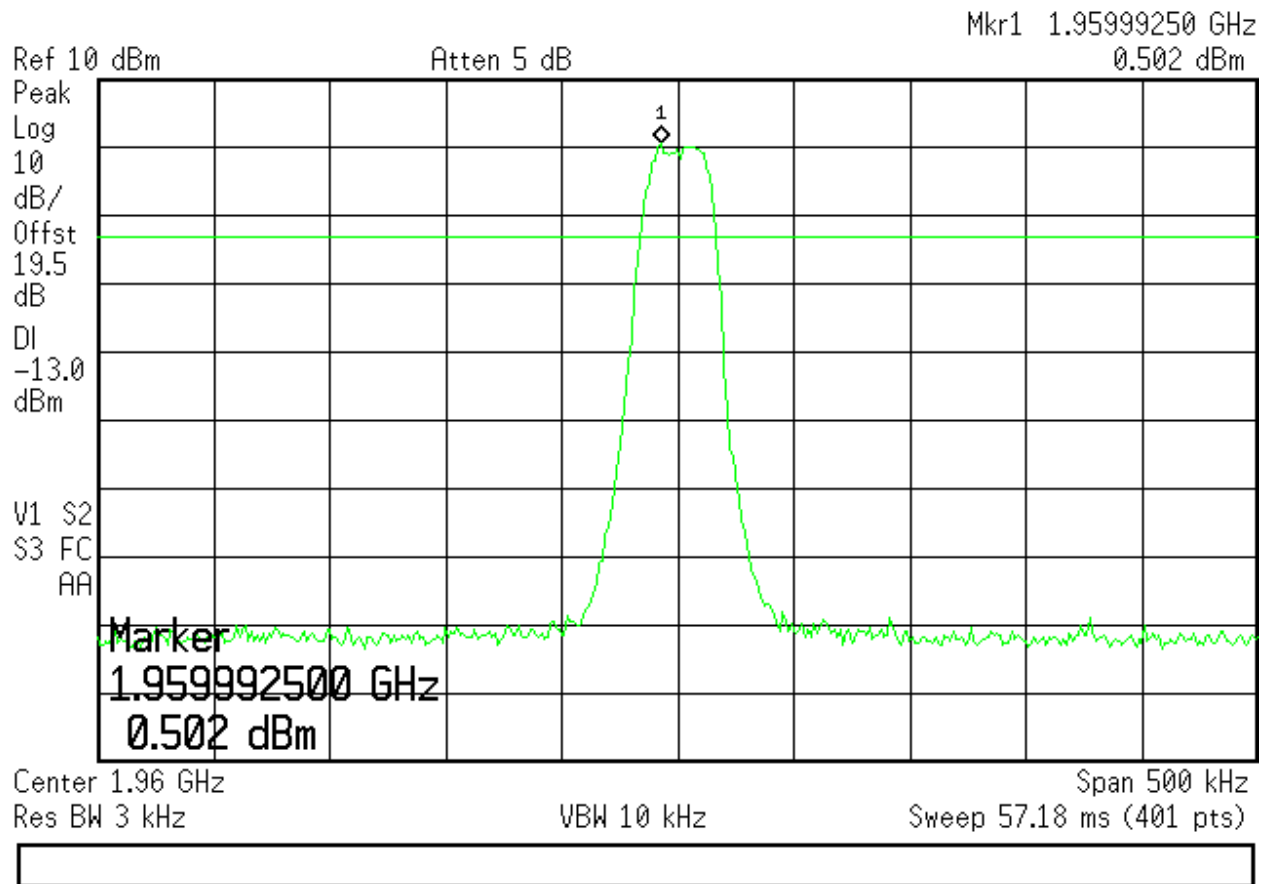



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1960 MHz - Output				

* Agilent 11:36:27 Feb 7, 2006

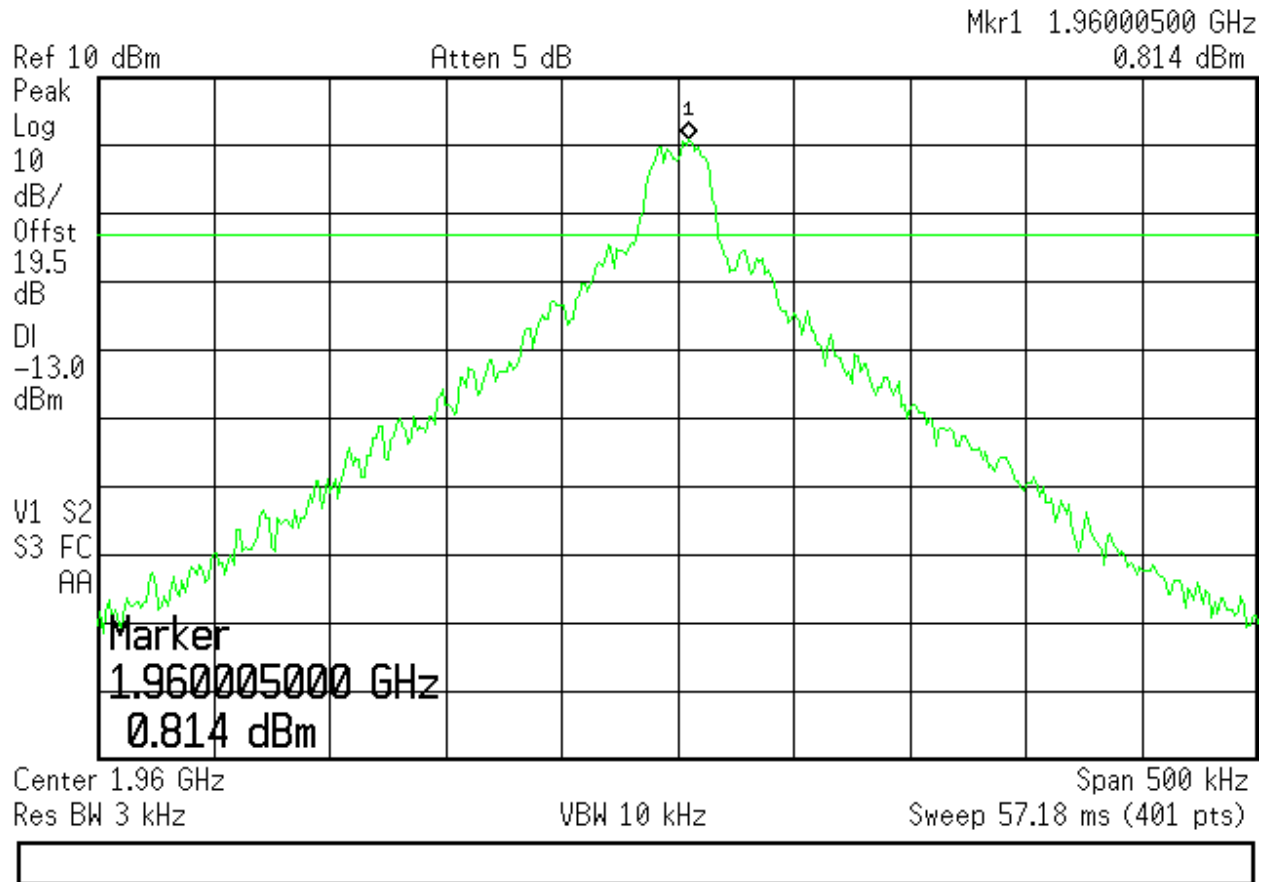

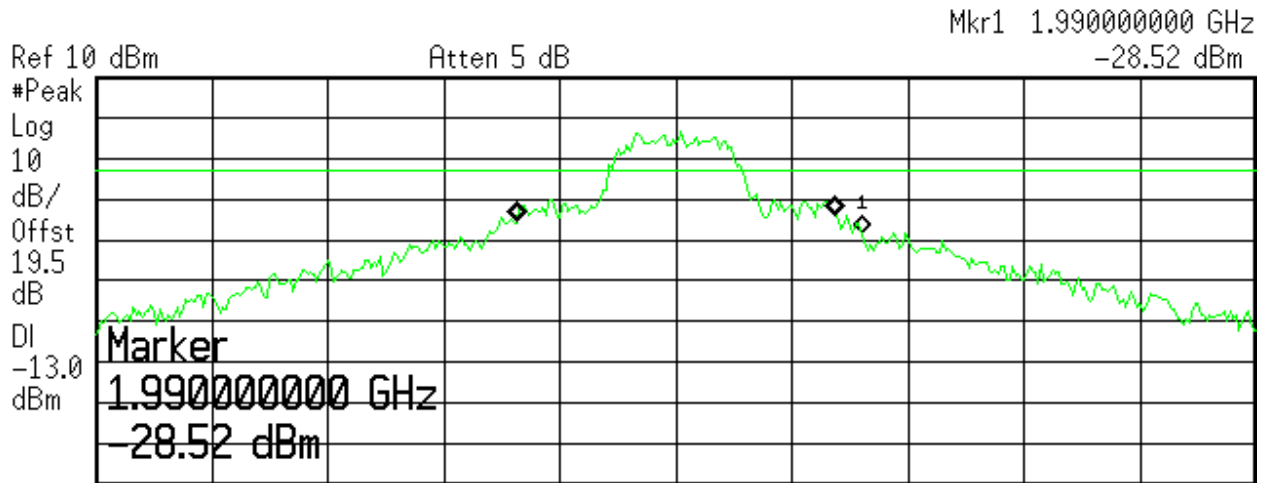


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1989.960 MHz				

* Agilent 11:30:03 Feb 7, 2006



Center 1.99 GHz Span 250 kHz
 #Res BW 1 kHz #VBW 10 kHz Sweep 250.8 ms (401 pts)


Occupied Bandwidth
 68.6305 kHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 349.500 Hz
x dB Bandwidth 89.576 kHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006		Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1989.960 MHz - Input				

* Agilent 11:39:33 Feb 7, 2006

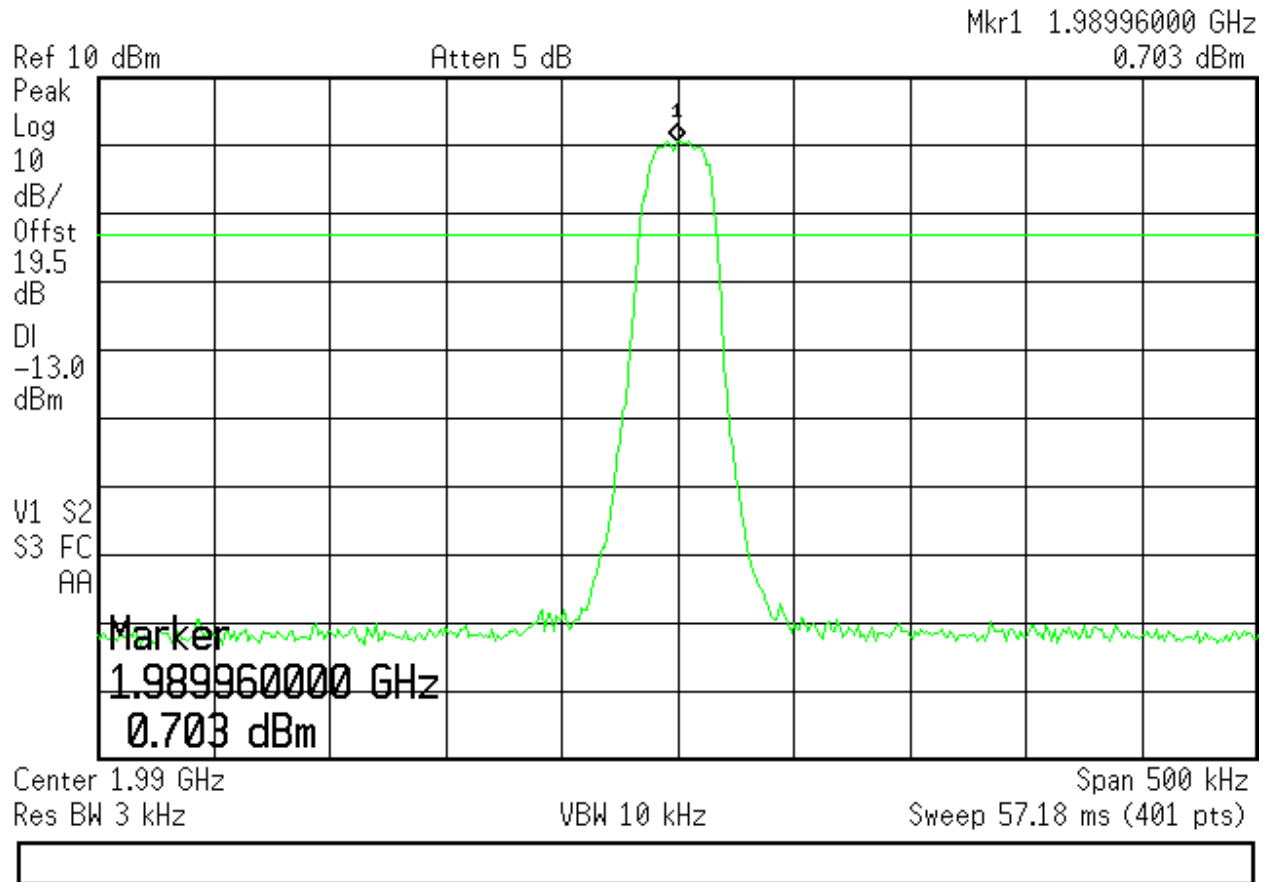



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1989.960 MHz - Output				

* Agilent 11:37:00 Feb 7, 2006

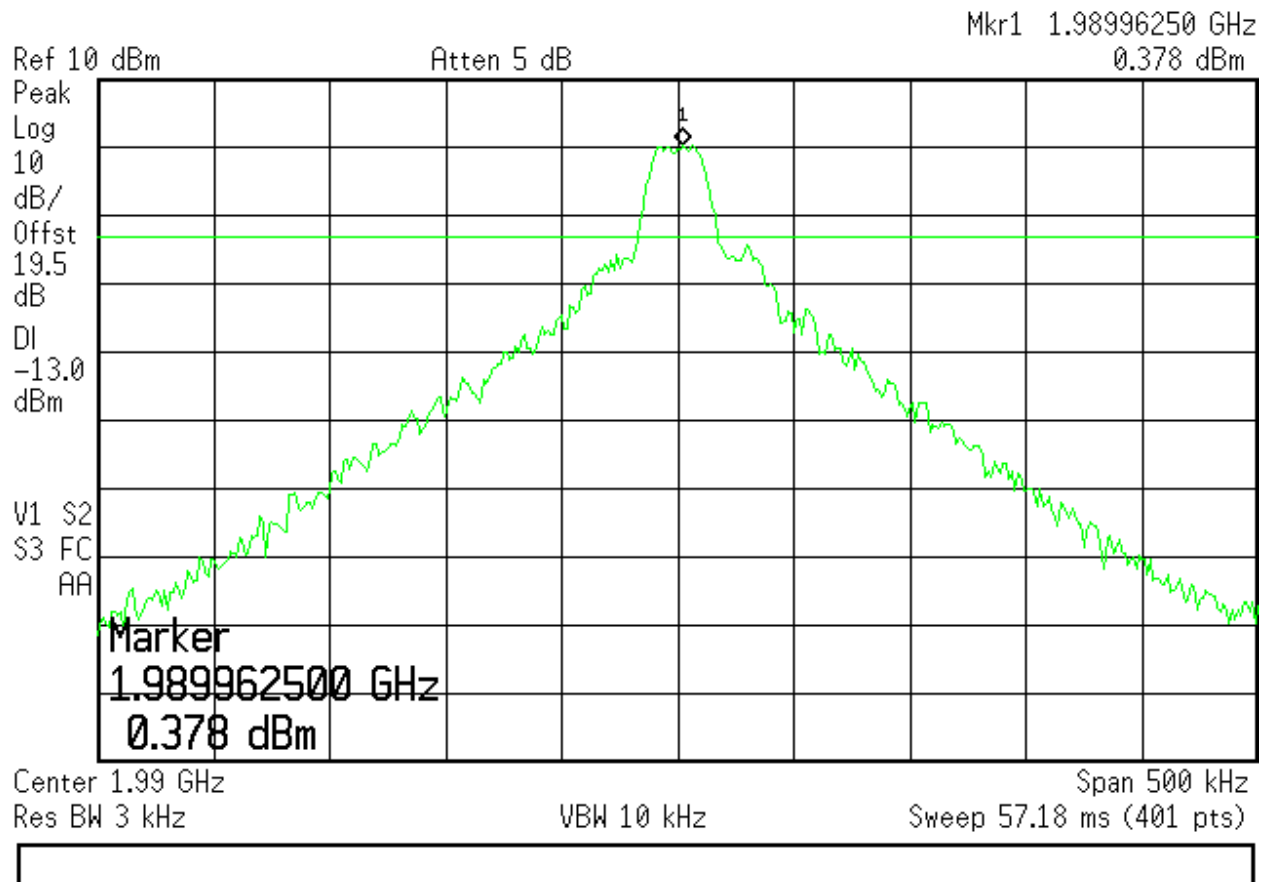

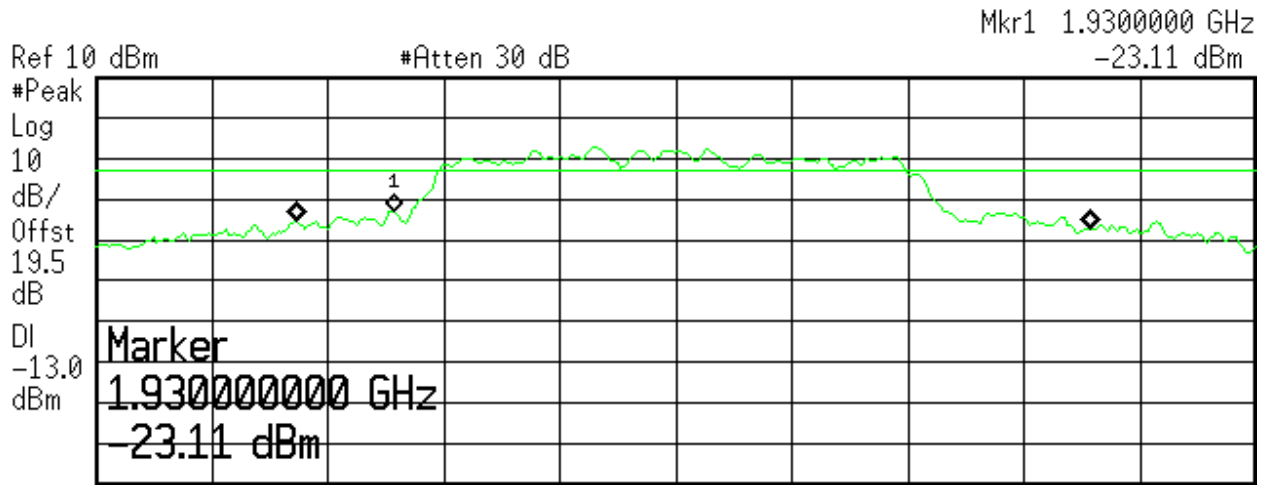


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h2>Occupied Bandwidth</h2>	
	DNB Job Number: 68061 (previous 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1930.725 MHz				

* Agilent 08:29:21 Jun 9, 2006



Center 1.931 GHz Span 3 MHz
 #Res BW 30 kHz VBW 300 kHz Sweep 5 ms (401 pts)


Occupied Bandwidth
 2.0529 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 44.486 kHz
x dB Bandwidth 3.000 MHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1930.725 MHz - Input				

* Agilent 13:00:51 Feb 7, 2006

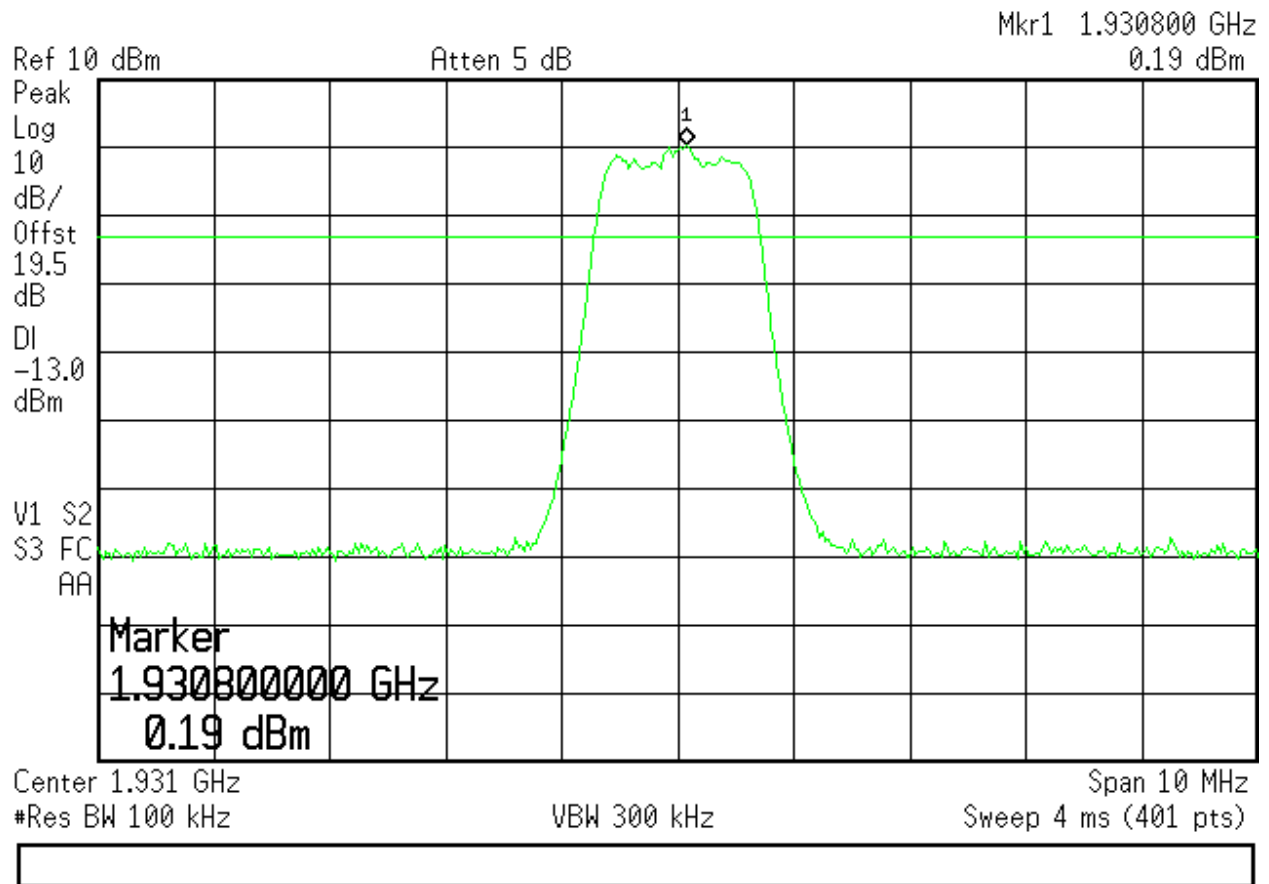



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1930.725 MHz - Output				

* Agilent 12:58:38 Feb 7, 2006

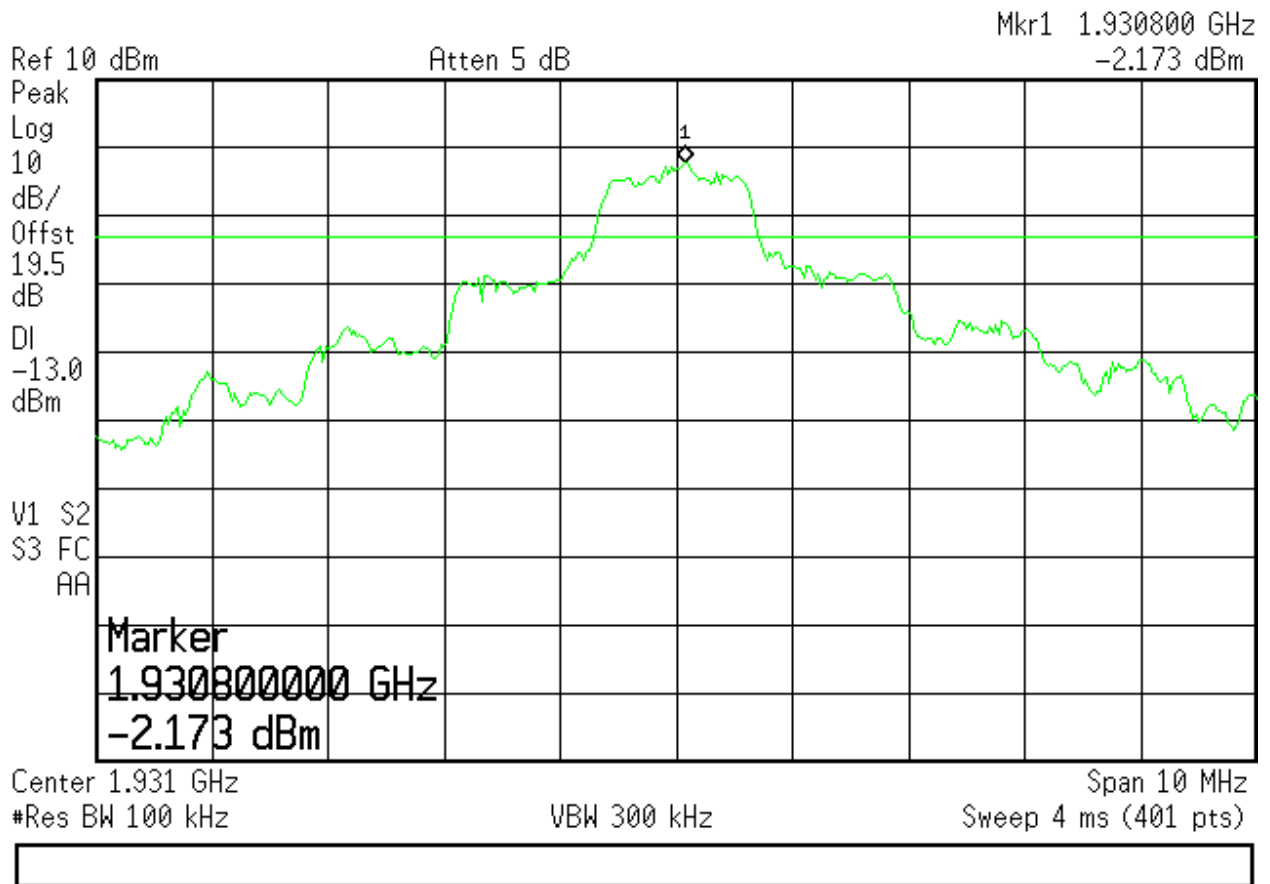

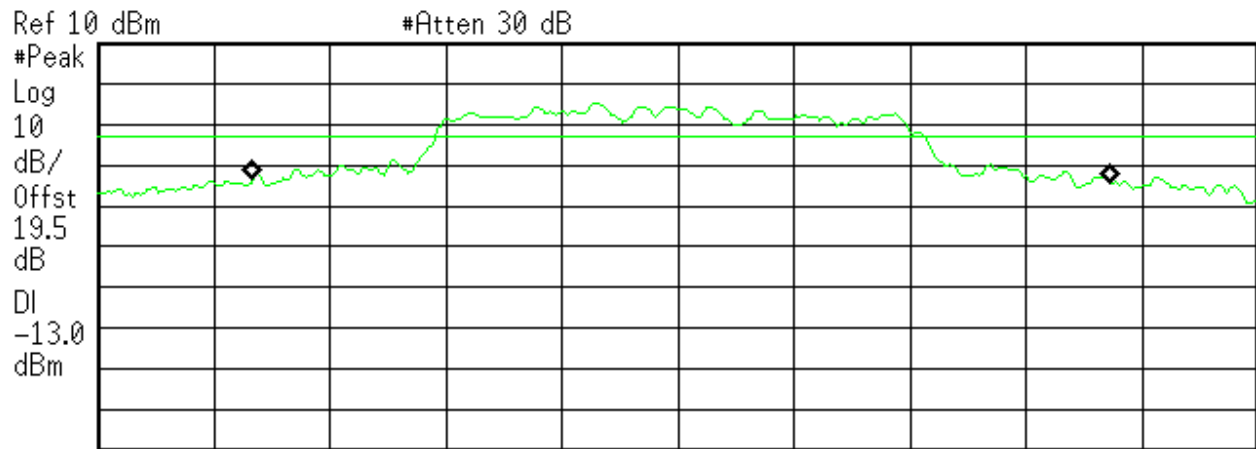


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1960 MHz				

* Agilent 09:41:50 Jun 9, 2006



Center 1.96 GHz Span 3 MHz
 #Res BW 30 kHz VBW 300 kHz Sweep 5 ms (401 pts)


Occupied Bandwidth
 2.2161 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error 9.141 kHz
x dB Bandwidth 3.000 MHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1960 MHz - Input				

* Agilent 13:01:33 Feb 7, 2006

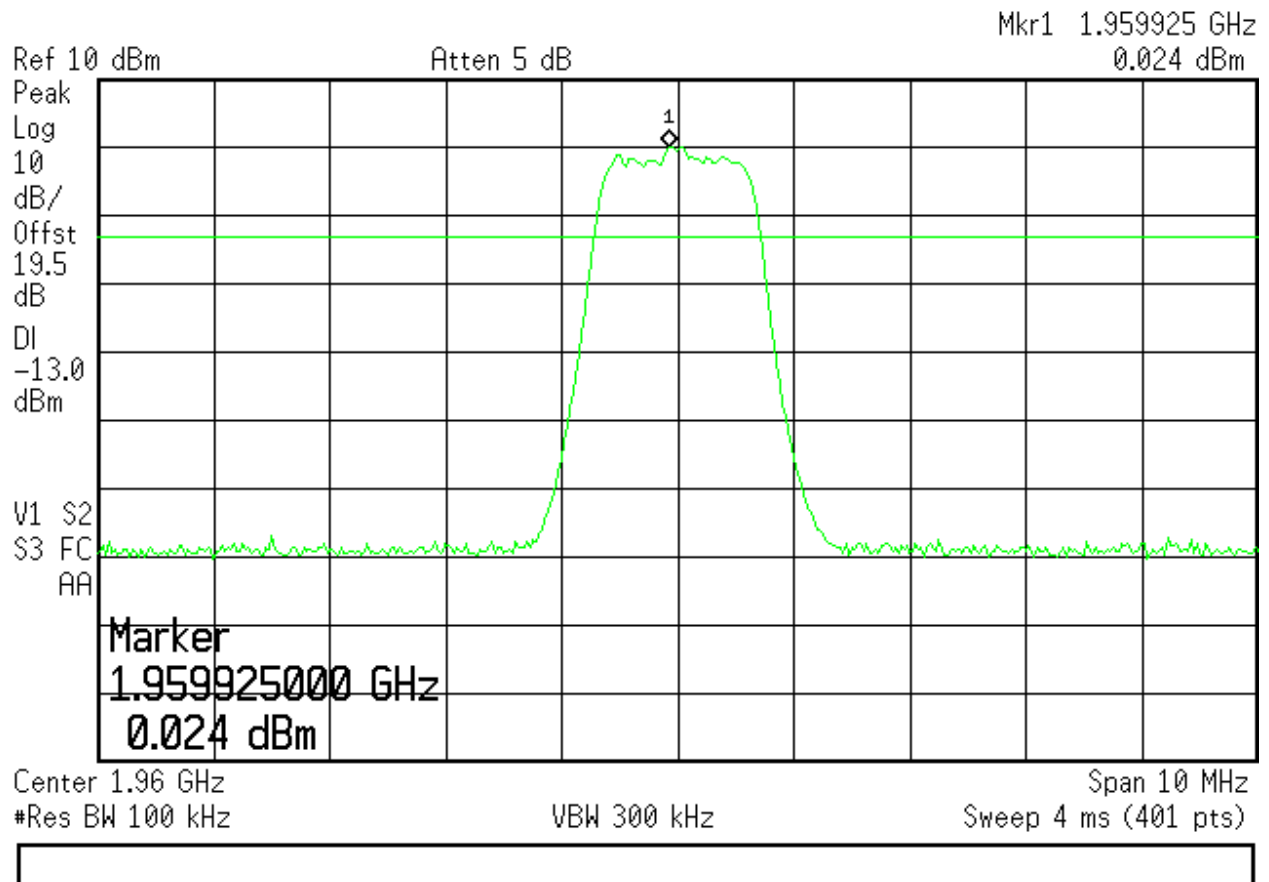



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1960 MHz - Output				

* Agilent 12:59:09 Feb 7, 2006

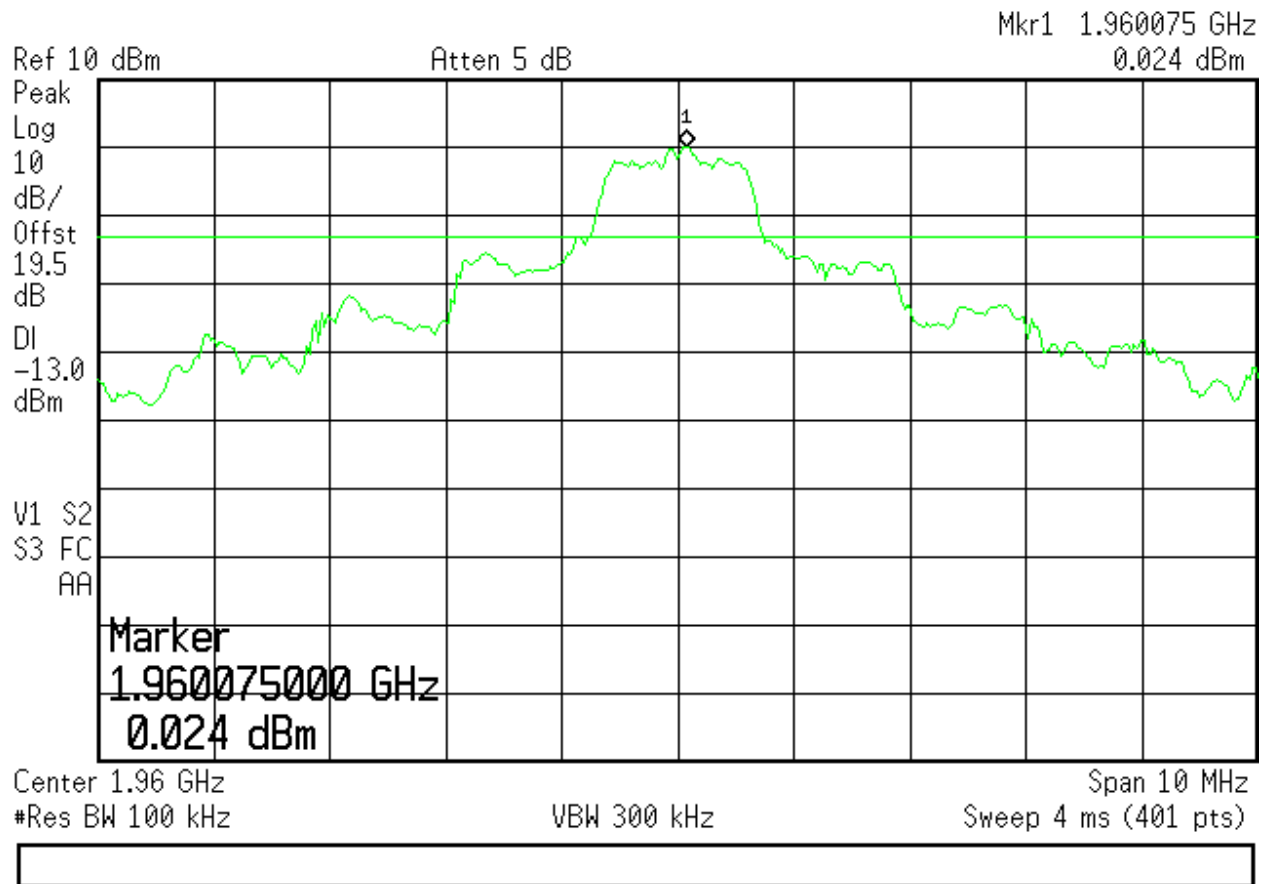

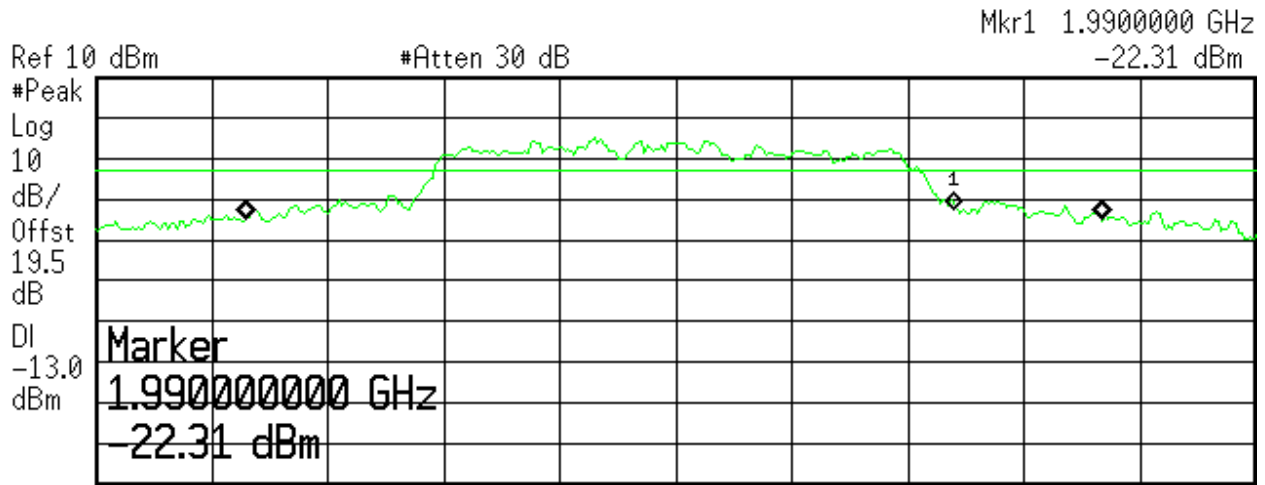


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		<h3>Occupied Bandwidth</h3>	
	DNB Job Number: 68061 (previous 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1989.275 MHz				

* Agilent 09:43:27 Jun 9, 2006



Center 1.989 GHz Span 3 MHz
 #Res BW 30 kHz VBW 300 kHz Sweep 5 ms (401 pts)


Occupied Bandwidth
 2.2147 MHz

Occ BW % Pwr 99.00 %
x dB -26.00 dB

Transmit Freq Error -2.273 kHz
x dB Bandwidth 3.000 MHz



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1989.275 MHz - Input				

* Agilent 13:02:07 Feb 7, 2006

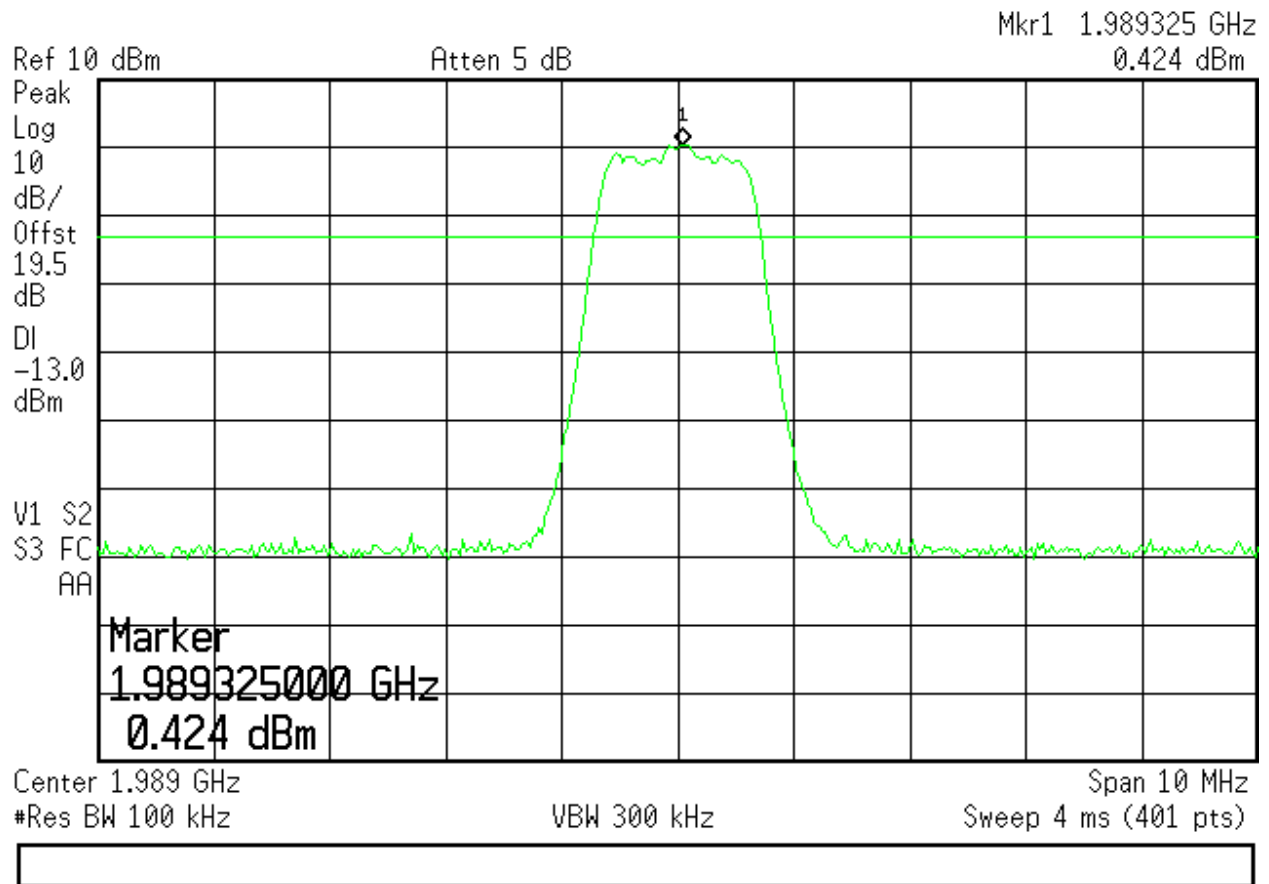



FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Modulation Characteristics	
	DNB Job Number: 68061 (previous 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1989.275 MHz - Output				

* Agilent 12:59:41 Feb 7, 2006

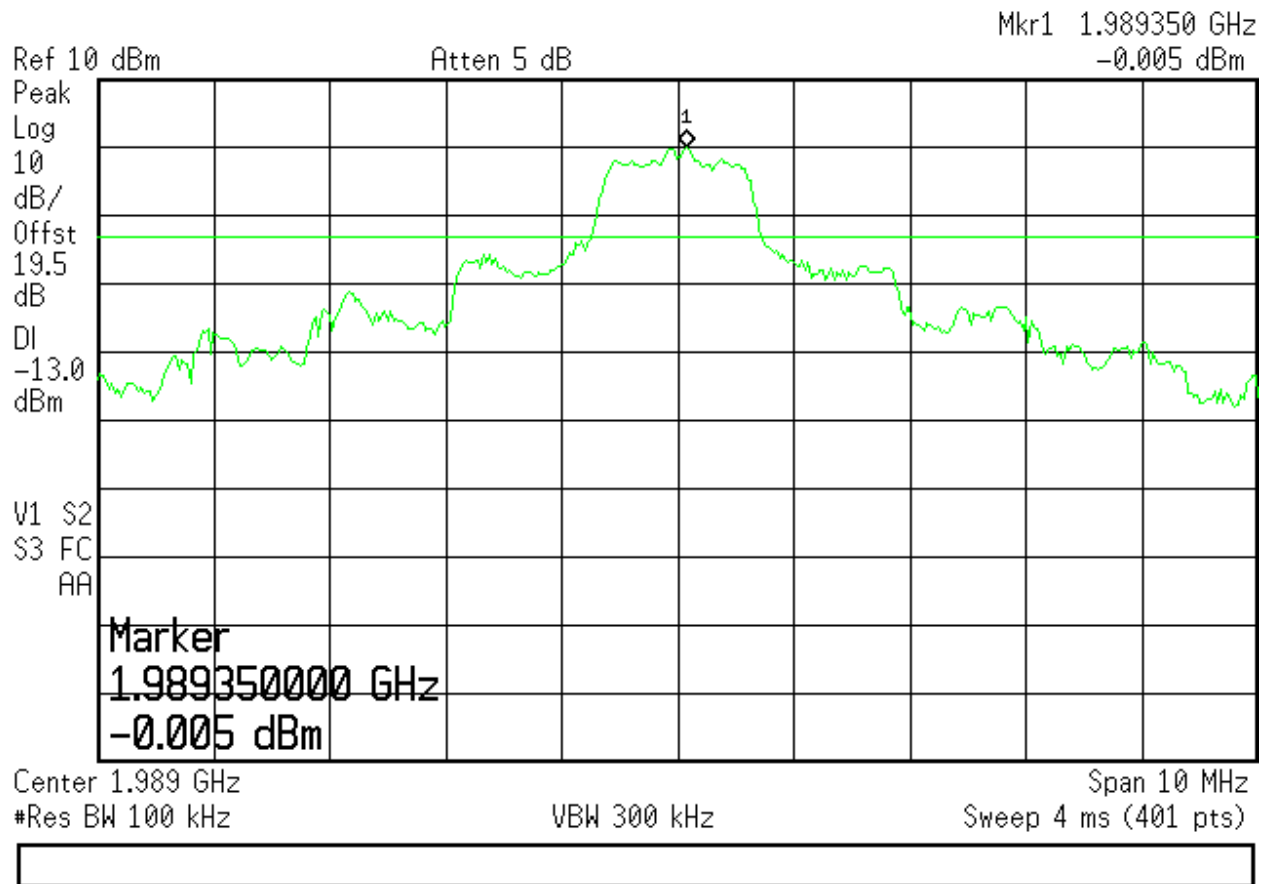

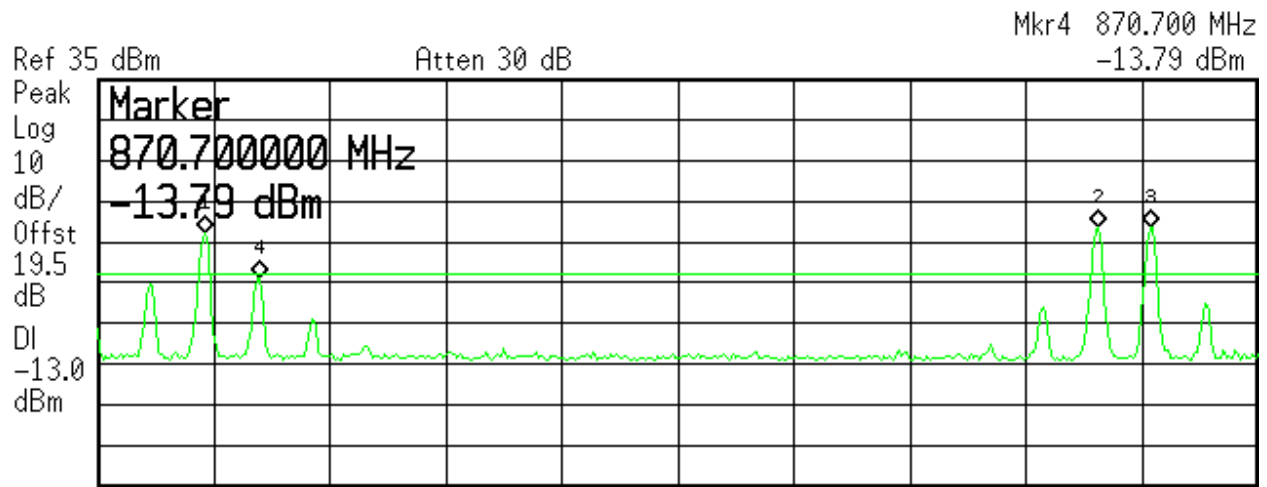


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Description: Downlink	Signal Source - CW - Input - 869 / 894 MHz			


* Agilent 08:55:42 Feb 7, 2006



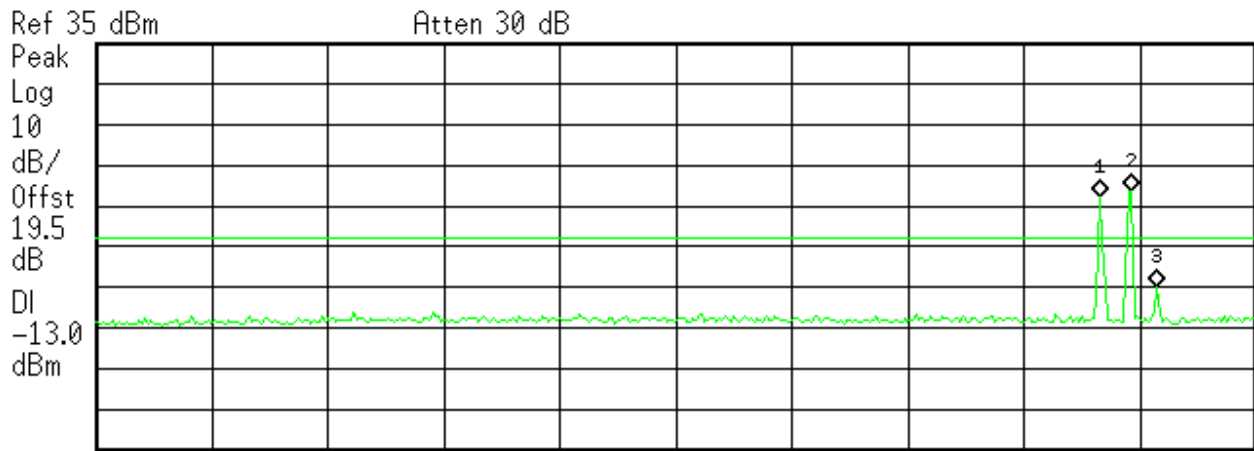
Center 881.5 MHz Span 30 MHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 4 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	869.275 MHz	-2.803 dBm
2	(1)	Freq	892.375 MHz	-1.229 dBm
3	(1)	Freq	893.725 MHz	-1.201 dBm
4	(1)	Freq	870.700 MHz	-13.79 dBm

FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Description: Downlink	Signal Source - CW - Input - 869 / 894 MHz			

* Agilent 08:57:44 Feb 7, 2006




Start 30 MHz Stop 1 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 100.5 ms (401 pts)

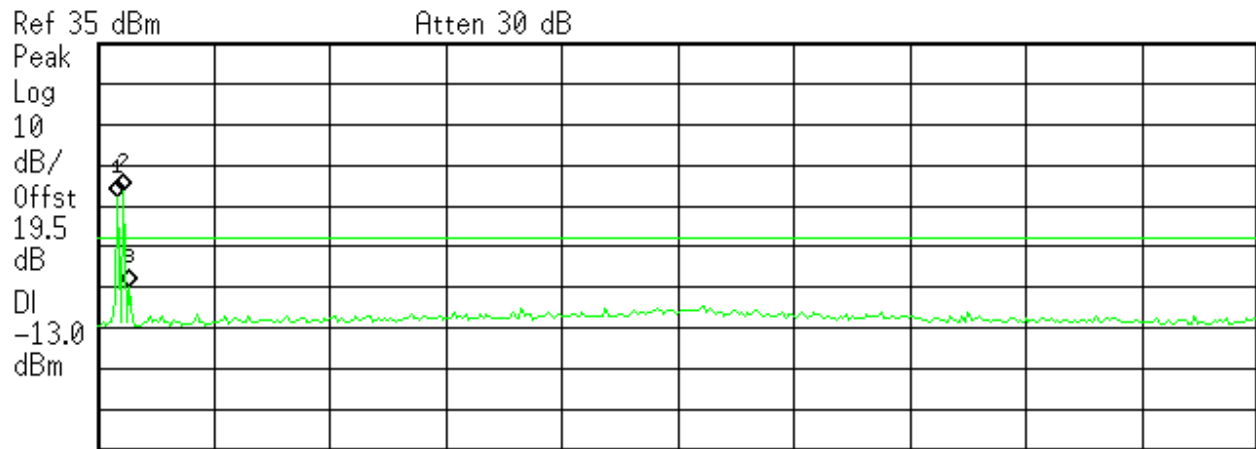
Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	869.1 MHz	-2.787 dBm
2	(1)	Freq	895.7 MHz	-1.275 dBm
3	(1)	Freq	917.6 MHz	-24.87 dBm

--

FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Description: Downlink	Signal Source - CW - Input - 869 / 894 MHz			


* Agilent 08:59:43 Feb 7, 2006



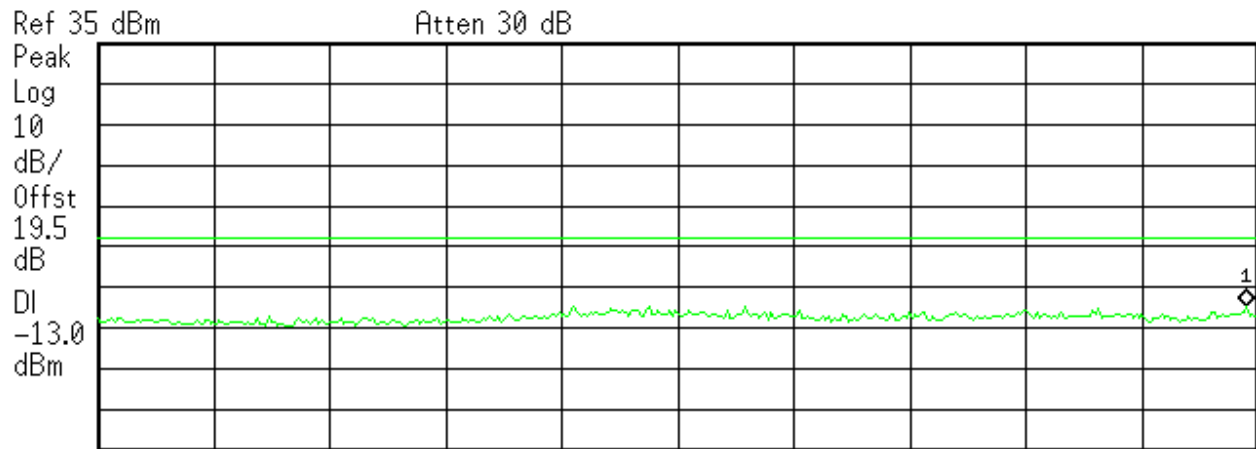
Start 800 MHz Stop 5 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 435.1 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	873.5 MHz	-2.888 dBm
2	(1)	Freq	894.5 MHz	-1.188 dBm
3	(1)	Freq	915.5 MHz	-24.76 dBm

FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Description: Downlink	Signal Source - CW - Input - 869 / 894 MHz			

* Agilent 09:00:52 Feb 7, 2006




Start 5 GHz Stop 10 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 518 ms (401 pts)

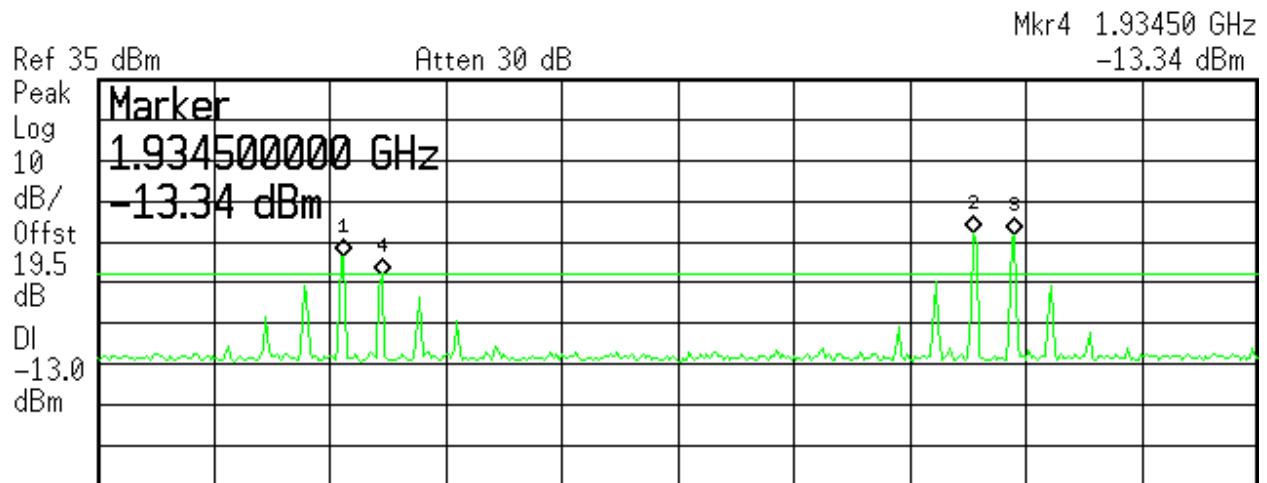
Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	9.9500 GHz	-29.73 dBm

--

FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier Downlink Signal Source - CW - Input - 1930 / 1990 MHz			


* Agilent 08:43:52 Feb 7, 2006



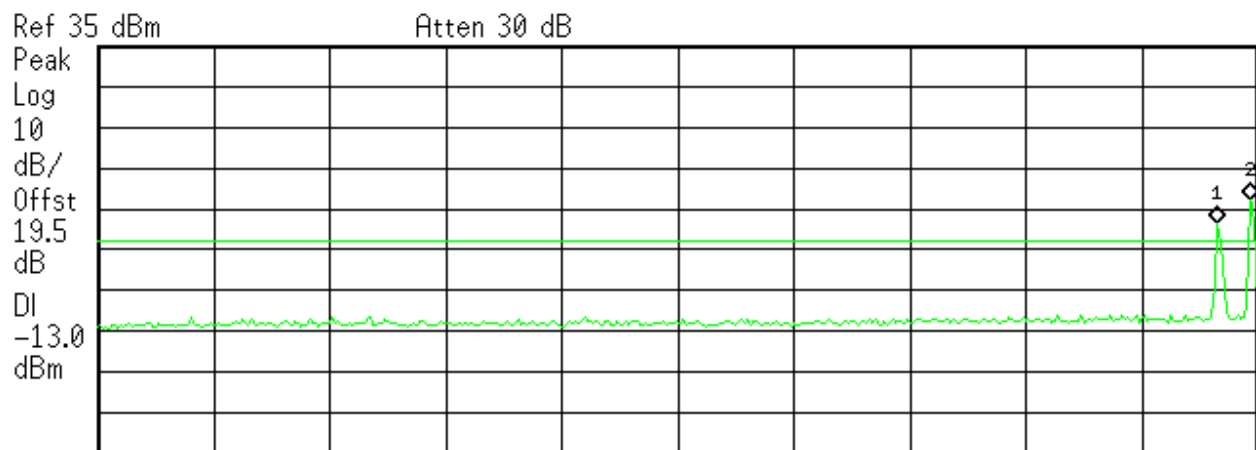
Center 1.96 GHz Span 100 MHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 10.36 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.93125 GHz	-8.379 dBm
2	(1)	Freq	1.98550 GHz	-2.681 dBm
3	(1)	Freq	1.98900 GHz	-3.391 dBm
4	(1)	Freq	1.93450 GHz	-13.34 dBm

FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Description: Downlink Signal Source - CW - Input - 1930 / 1990 MHz				

* Agilent 08:46:06 Feb 7, 2006



Start 30 MHz Stop 2 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 204.1 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.931 GHz	-8.44 dBm
2	(1)	Freq	1.985 GHz	-2.684 dBm

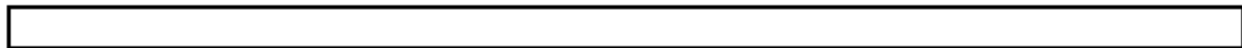

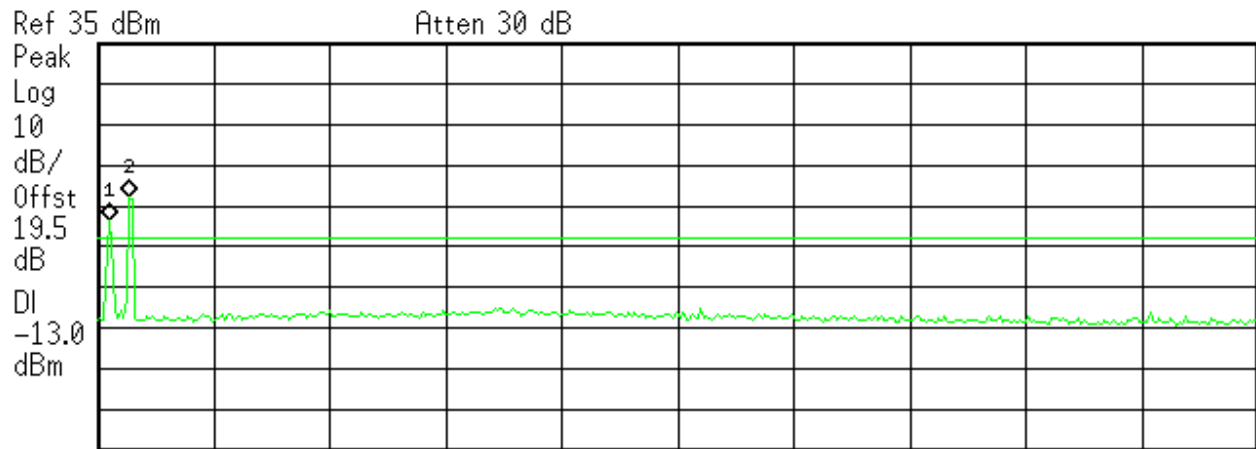


FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Description: Downlink Signal Source - CW - Input - 1930 / 1990 MHz				


* Agilent 08:47:26 Feb 7, 2006



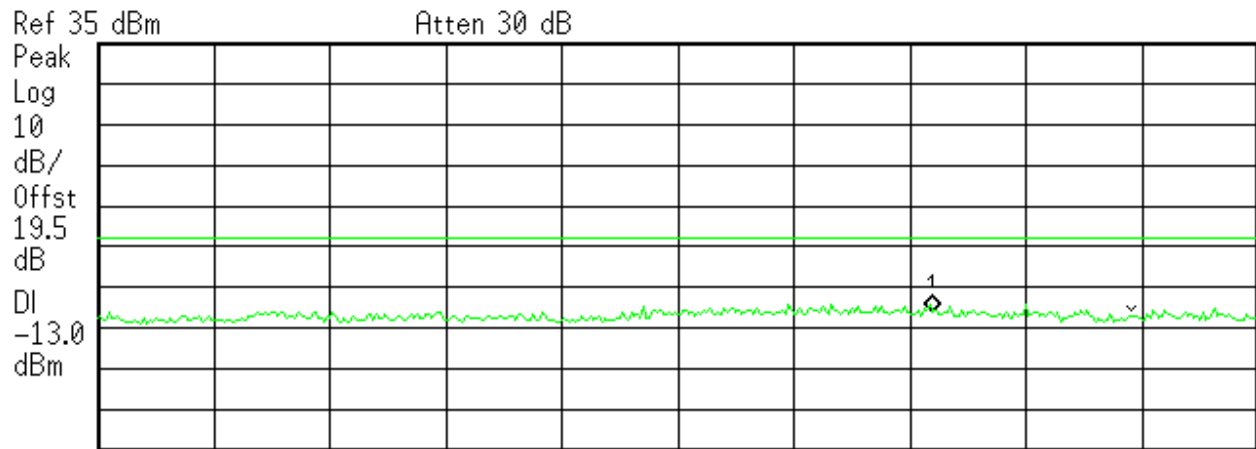
Start 1.9 GHz Stop 5 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 321.2 ms (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.93100 GHz	-8.373 dBm
2	(1)	Freq	1.98525 GHz	-2.734 dBm

FIGURE 6: OCCUPIED BANDWIDTH

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Inter-Modulation	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006		Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90
Customer: Janizary Holdings Inc				
Model Number: CHA-819	Serial Number:			
Description: RF amplifier Downlink Signal Source - CW - Input - 1930 / 1990 MHz				

* Agilent 08:48:44 Feb 7, 2006



Start 5 GHz Stop 20 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 1.554 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	15.8000 GHz	-31.13 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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink GSM 824.275 MHz				

Agilent 09:20:33 Feb 6, 2006

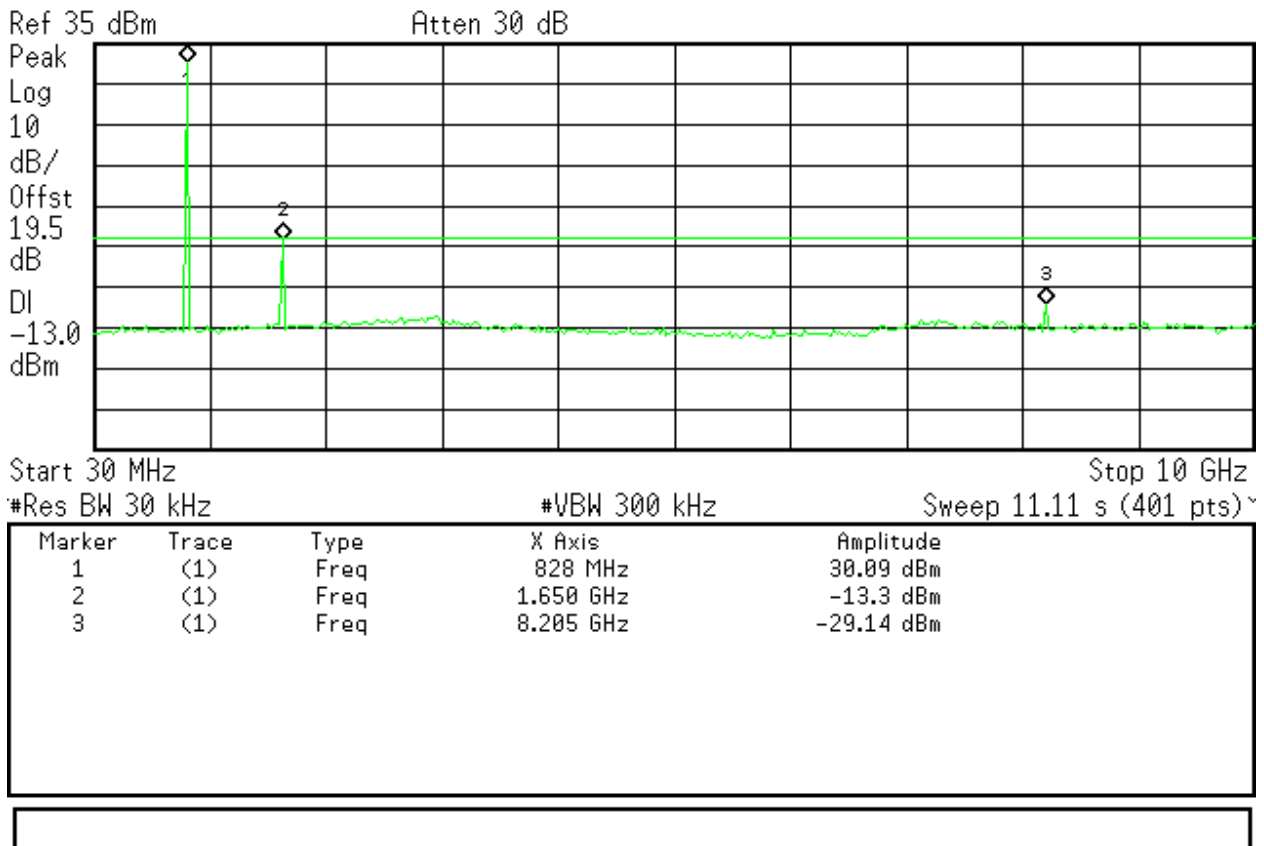


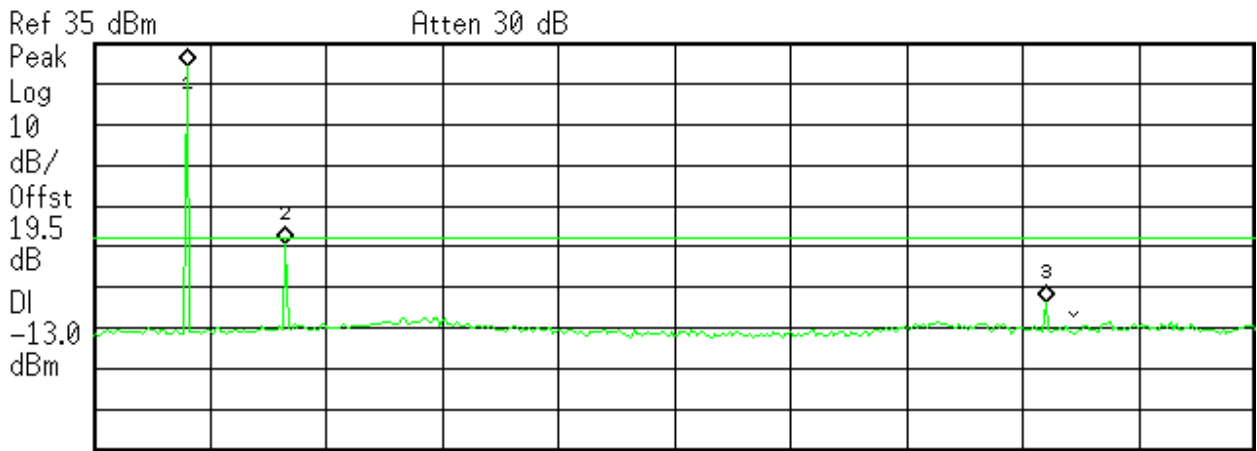


Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink GSM 436.5 MHz				


 **Agilent** 09:24:58 Feb 6, 2006



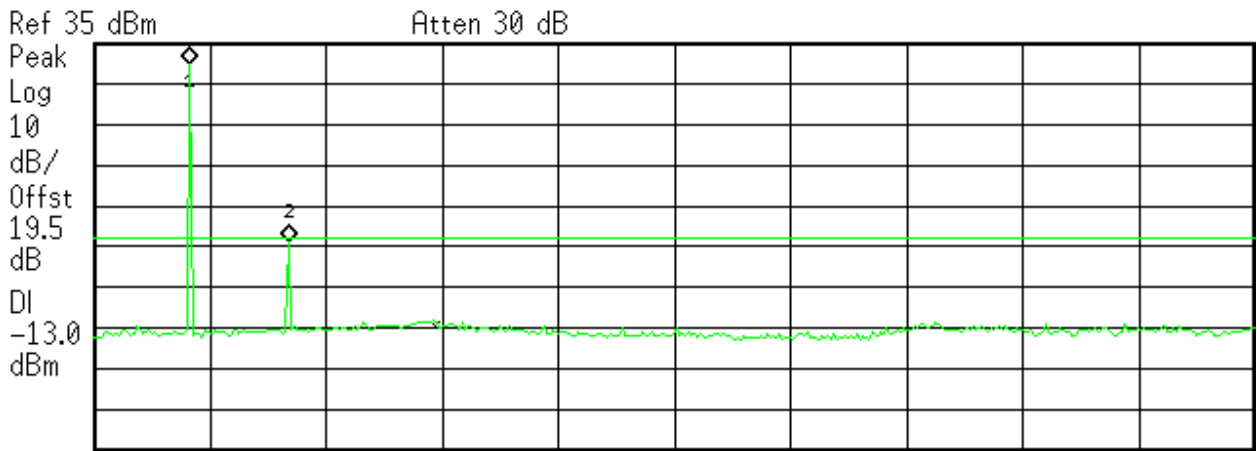
Start 30 MHz #Res BW 30 kHz #VBW 300 kHz Sweep 11.11 s (401 pts) Stop 10 GHz

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	828 MHz	29.26 dBm
2	(1)	Freq	1.675 GHz	-14.14 dBm
3	(1)	Freq	8.205 GHz	-28.71 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink GSM 848.725 MHz				


* Agilent 09:27:46 Feb 6, 2006



Start 30 MHz Stop 10 GHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 11.11 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	853 MHz	29.84 dBm
2	(1)	Freq	1.700 GHz	-13.75 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink GSM 1850.275 MHz				

* Agilent 10:41:59 Feb 6, 2006

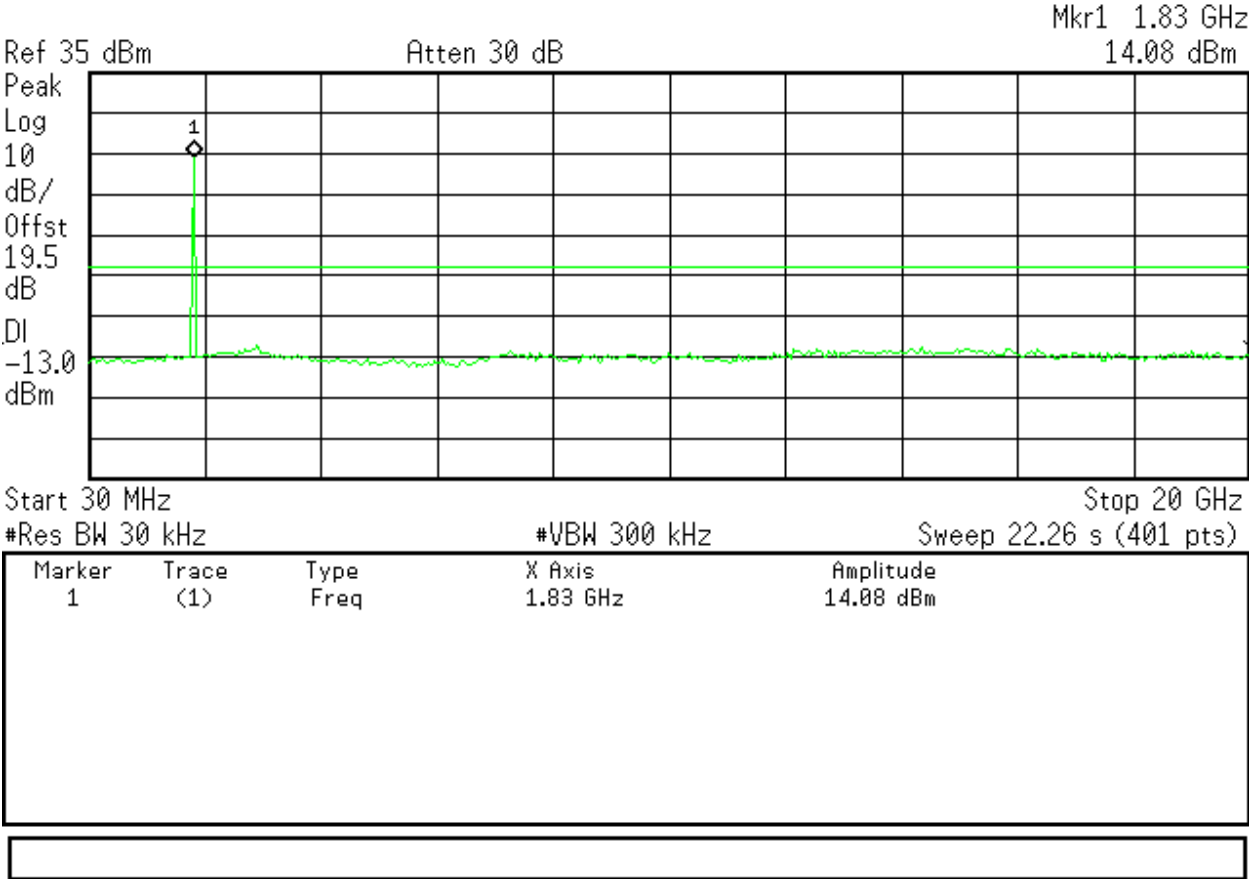



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Antenna Conducted Spurious			
DNB Job Number:	68061 (previously 48085)	Date:	6 Feb 2006		
Customer:	Janizary Holdings Inc	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90			
Model Number:	CHA-819			Serial Number:	
Description:	RF amplifier				
	Uplink GSM 1880 MHz				

* Agilent 10:43:17 Feb 6, 2006

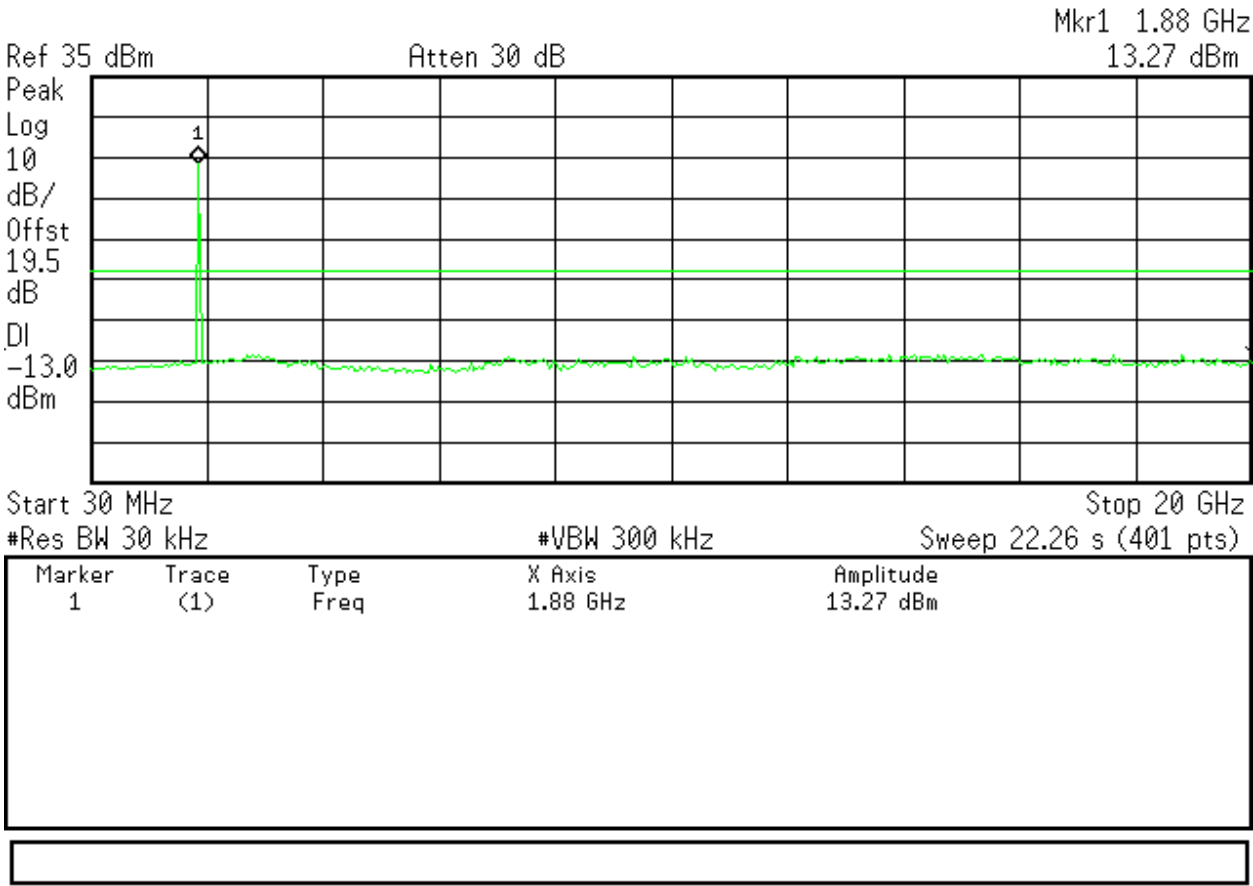

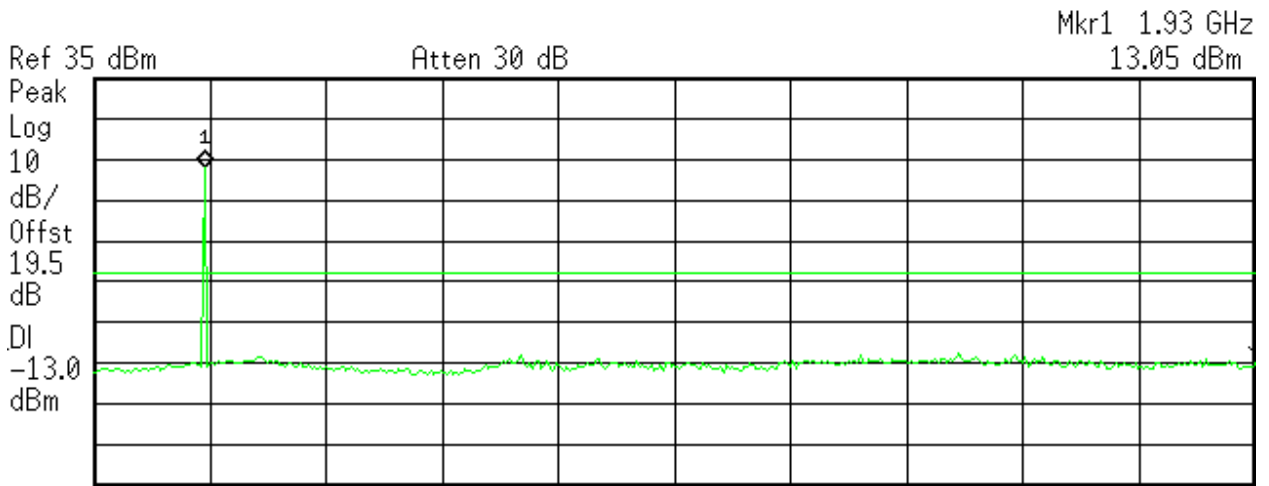


Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink GSM 1909.725 MHz				


Agilent 10:44:56 Feb 6, 2006



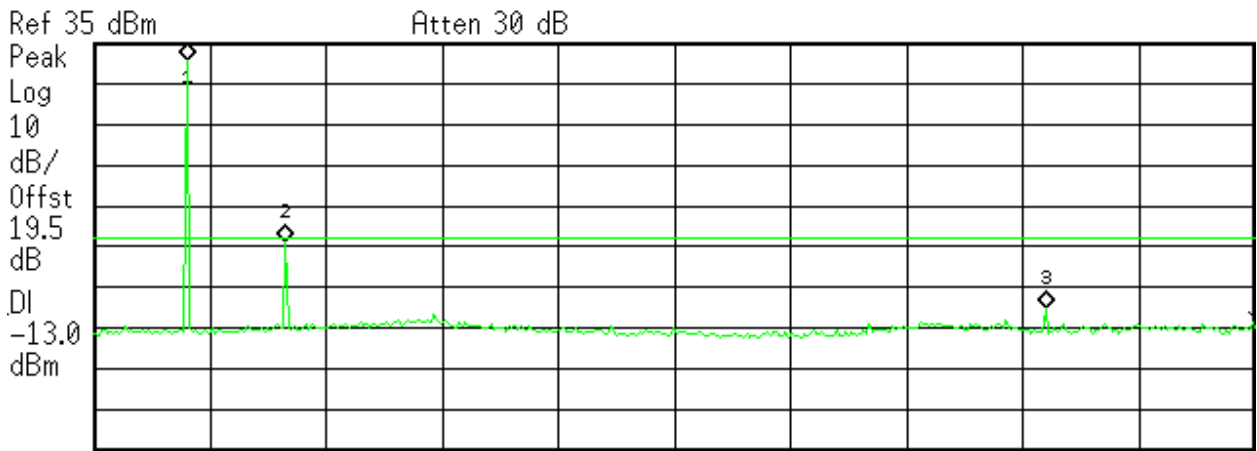
Start 30 MHz Stop 20 GHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 22.26 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.93 GHz	13.05 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink TDMA 824.040 MHz				


* Agilent 12:05:24 Feb 6, 2006



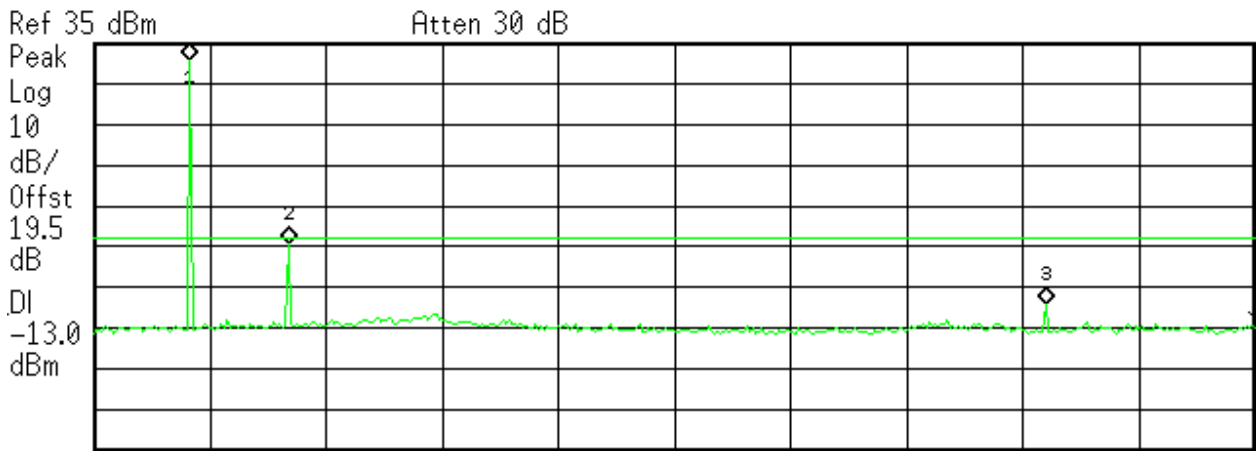
Start 30 MHz #Res BW 30 kHz #VBW 300 kHz Stop 10 GHz Sweep 11.11 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	828 MHz	30.76 dBm
2	(1)	Freq	1.675 GHz	-13.81 dBm
3	(1)	Freq	8.205 GHz	-29.87 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink TDMA 436.5 MHz				


* Agilent 12:02:20 Feb 6, 2006



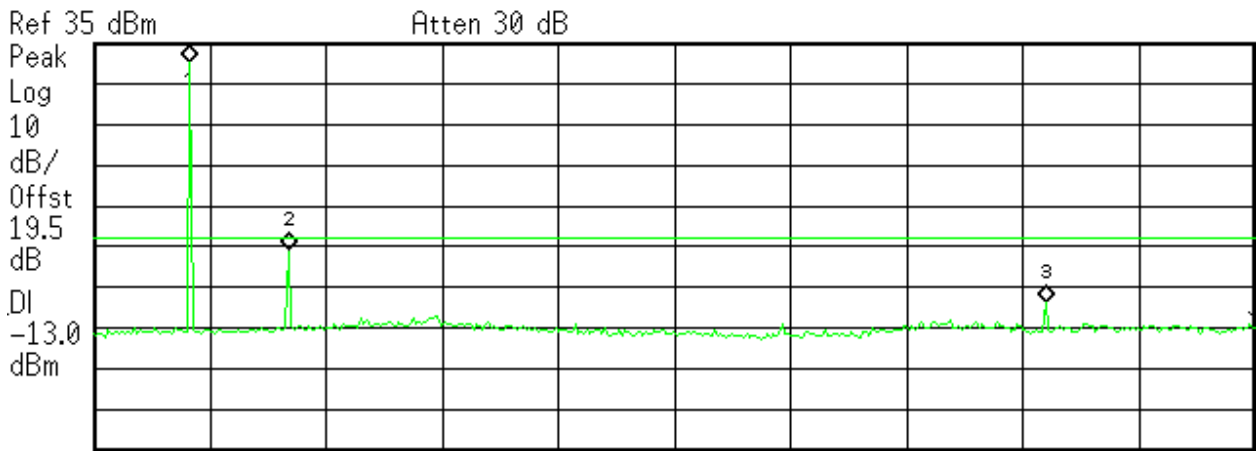
Start 30 MHz #Res BW 30 kHz #VBW 300 kHz Sweep 11.11 s (401 pts) Stop 10 GHz

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	853 MHz	30.52 dBm
2	(1)	Freq	1.700 GHz	-14.17 dBm
3	(1)	Freq	8.205 GHz	-29.17 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink TDMA 848.960 MHz				


* Agilent 12:07:36 Feb 6, 2006



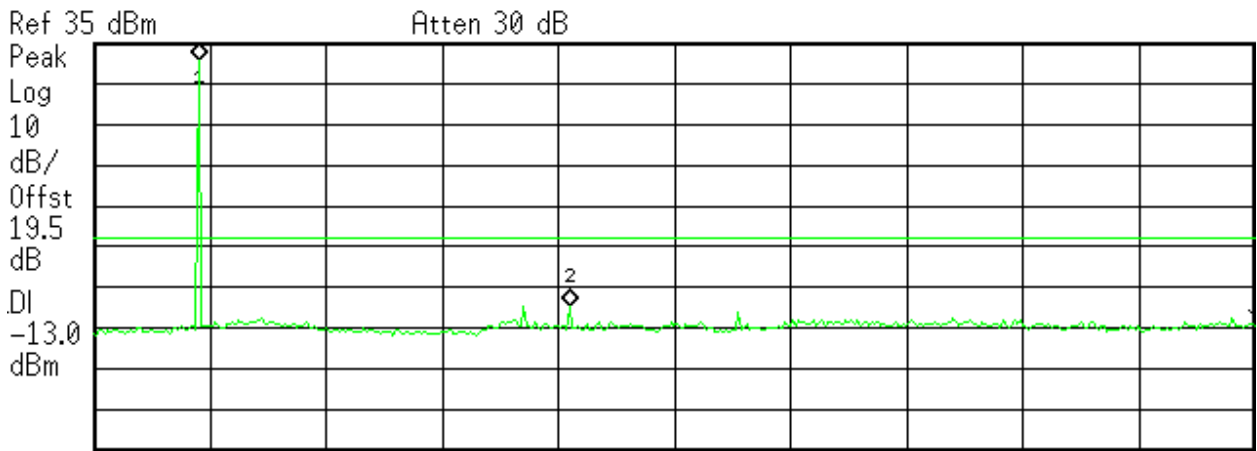
Start 30 MHz Stop 10 GHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 11.11 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	853 MHz	30.1 dBm
2	(1)	Freq	1.700 GHz	-15.96 dBm
3	(1)	Freq	8.205 GHz	-28.81 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink TDMA 1850.040 MHz				


* Agilent 12:13:15 Feb 6, 2006



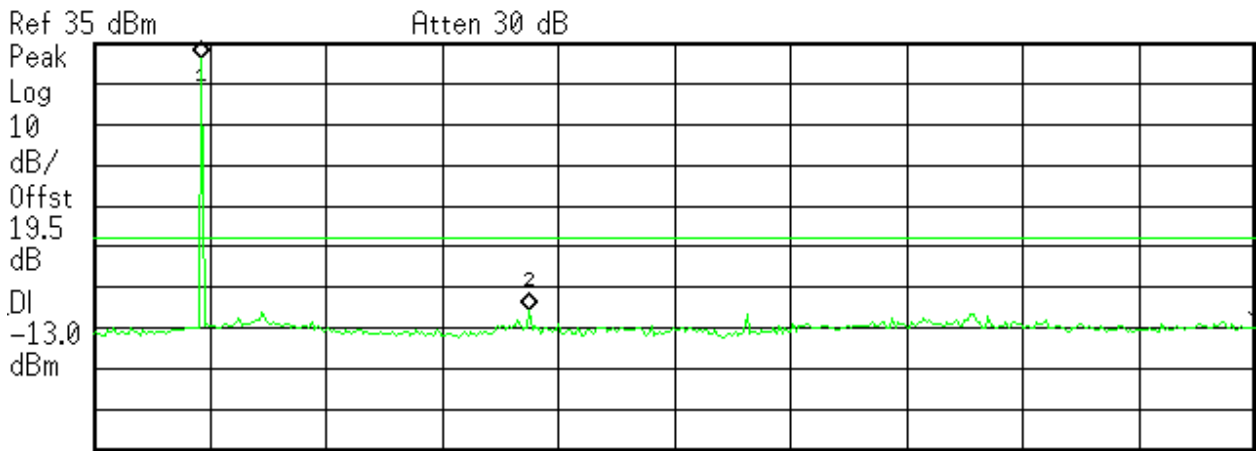
Start 30 MHz Stop 20 GHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 22.26 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.83 GHz	30.86 dBm
2	(1)	Freq	8.22 GHz	-29.38 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink TDMA 1880 MHz				


* Agilent 12:14:48 Feb 6, 2006



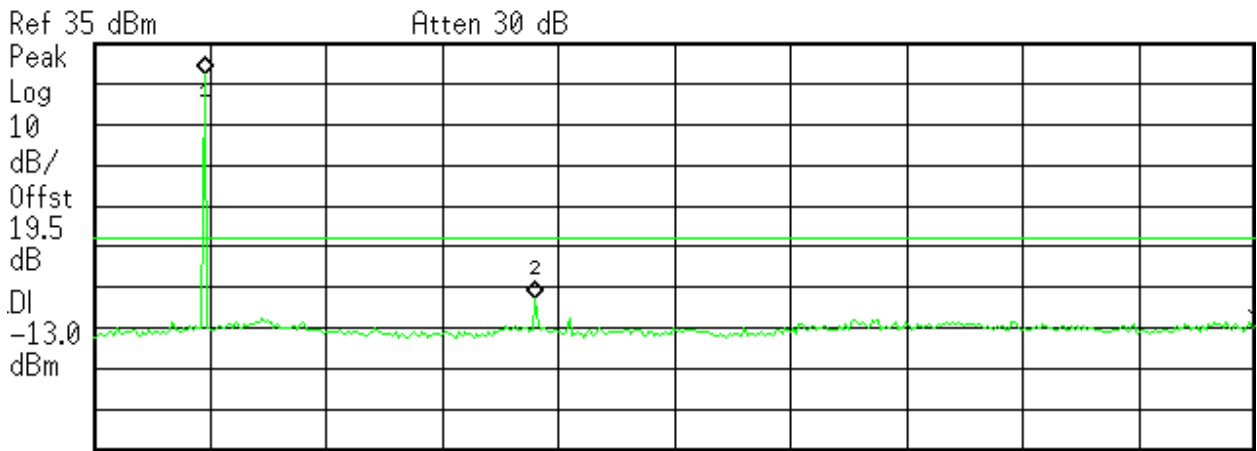
Start 30 MHz Stop 20 GHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 22.26 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.88 GHz	31.14 dBm
2	(1)	Freq	7.52 GHz	-30.49 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink TDMA 1909.960 MHz				


* Agilent 12:16:13 Feb 6, 2006



Start 30 MHz Stop 20 GHz
 #Res BW 30 kHz #VBW 300 kHz Sweep 22.26 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.93 GHz	27.46 dBm
2	(1)	Freq	7.62 GHz	-27.56 dBm

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: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink CDMA 1854 MHz				

* Agilent 13:59:50 Feb 6, 2006

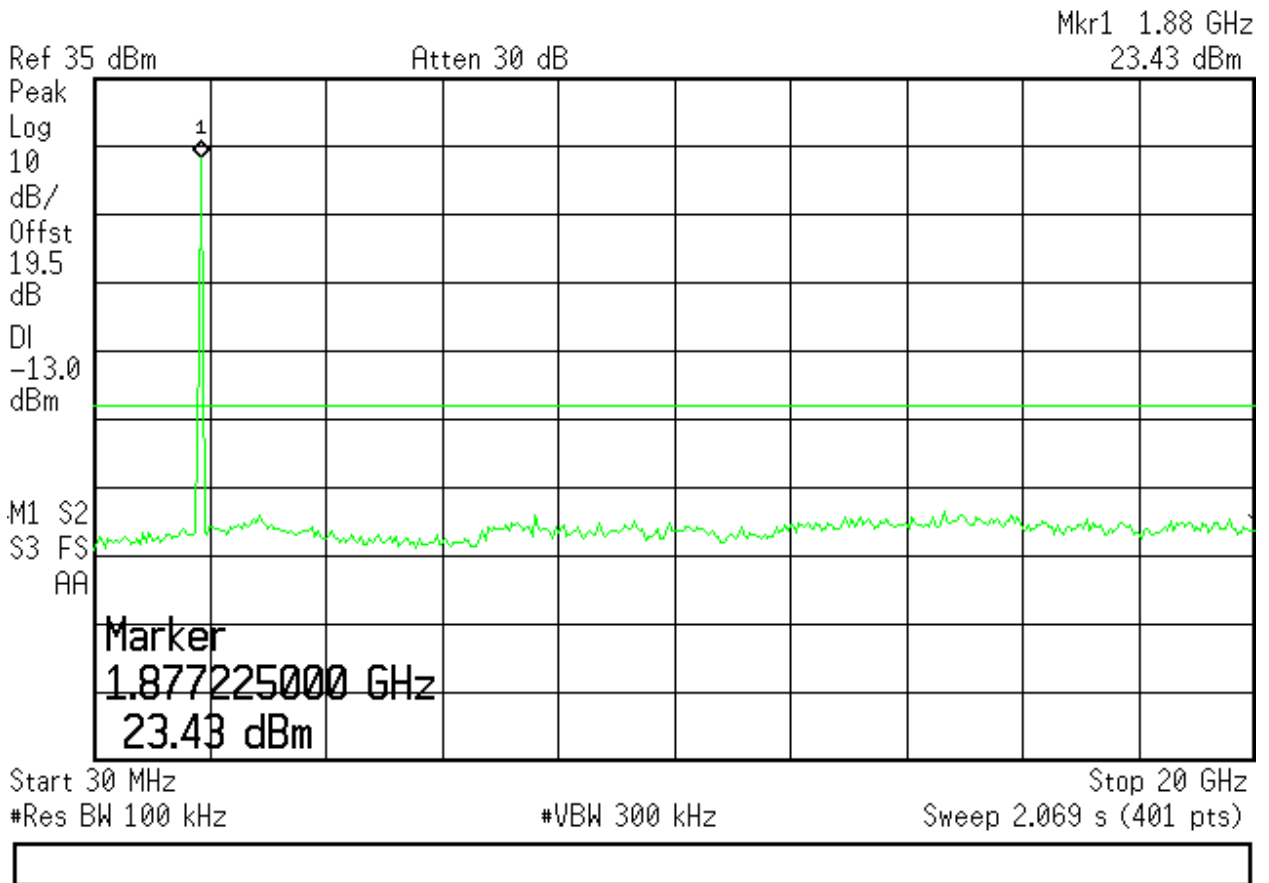



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 6 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink CDMA 1880 MHz				

* Agilent 14:00:27 Feb 6, 2006

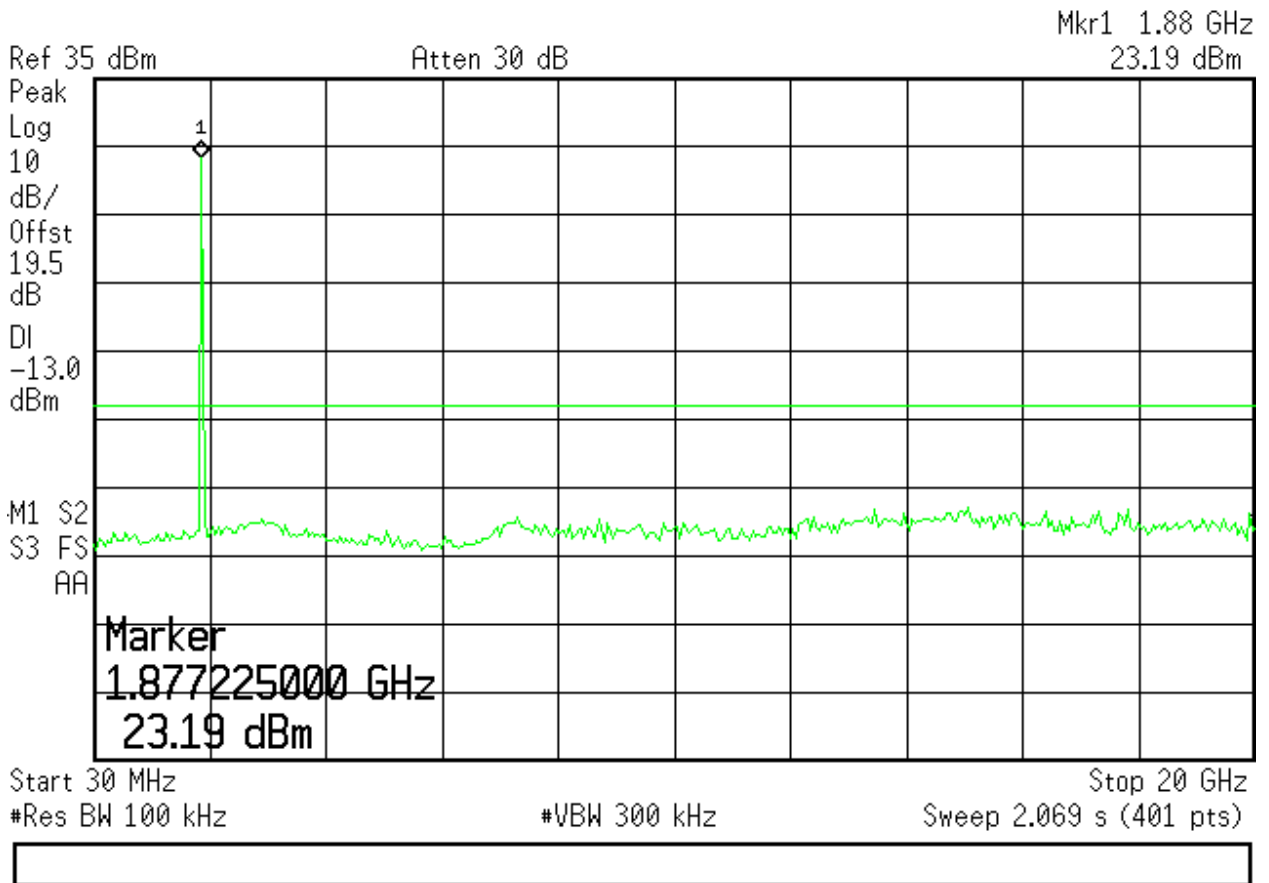



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Uplink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 6 Feb 2006		Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink CDMA 1906 MHz				

* Agilent 14:01:15 Feb 6, 2006

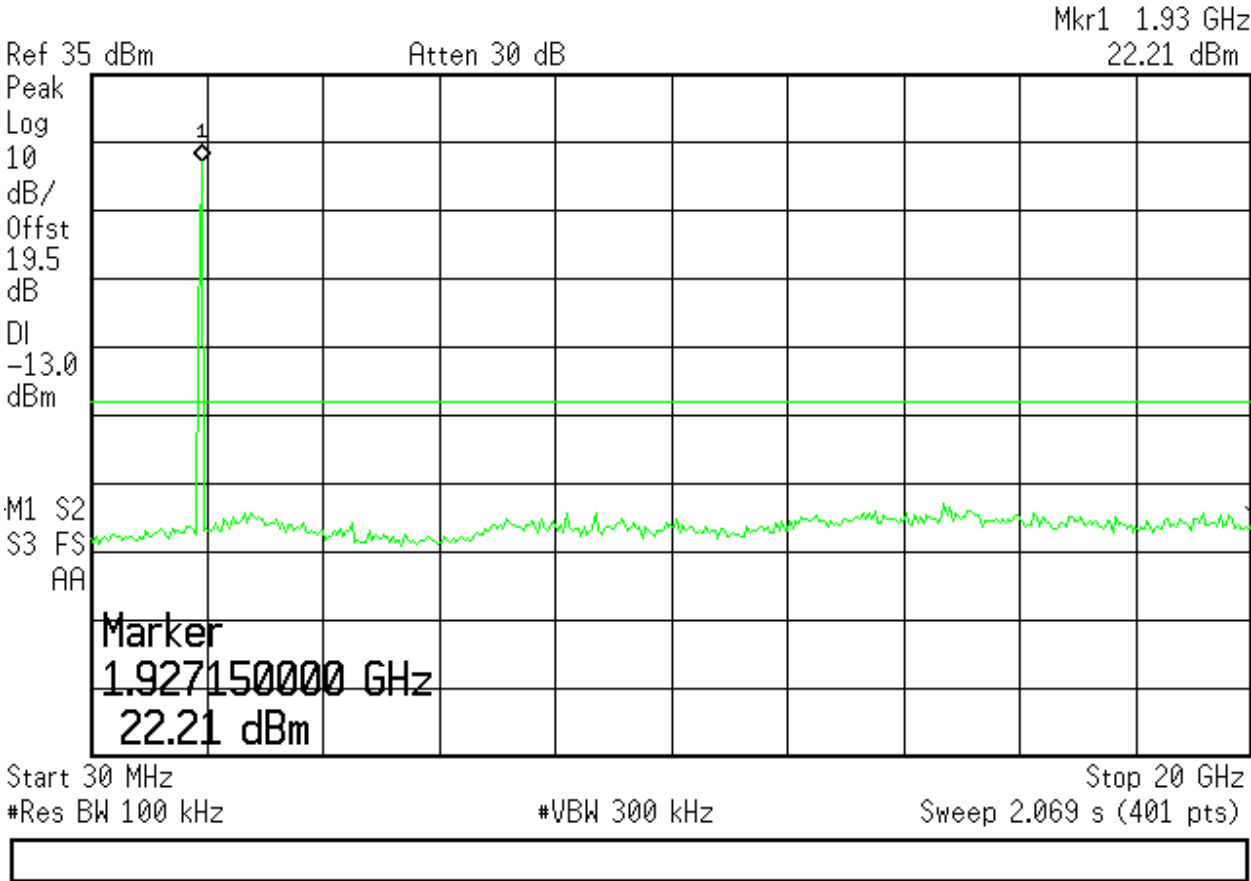



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 869.275 MHz				

* Agilent 09:28:49 Feb 7, 2006

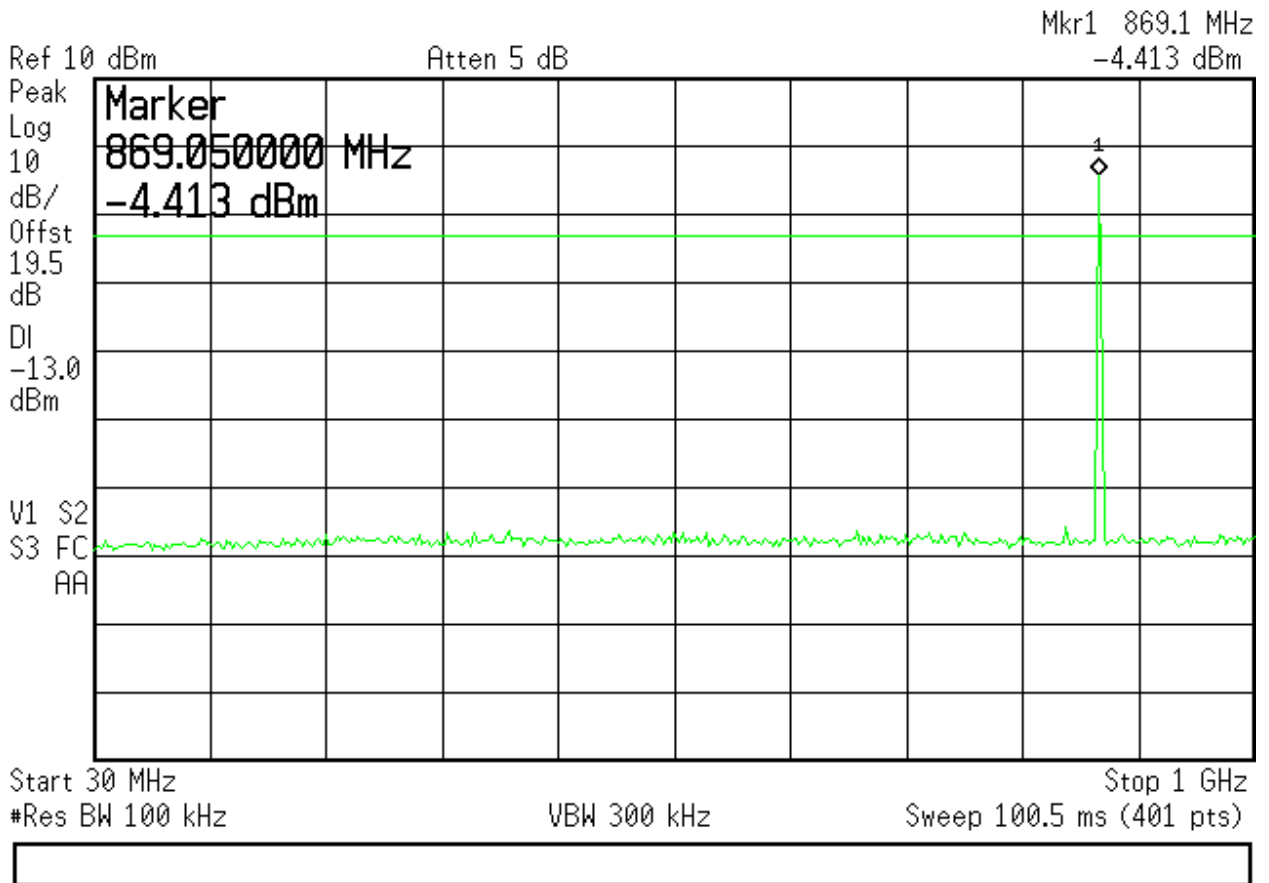

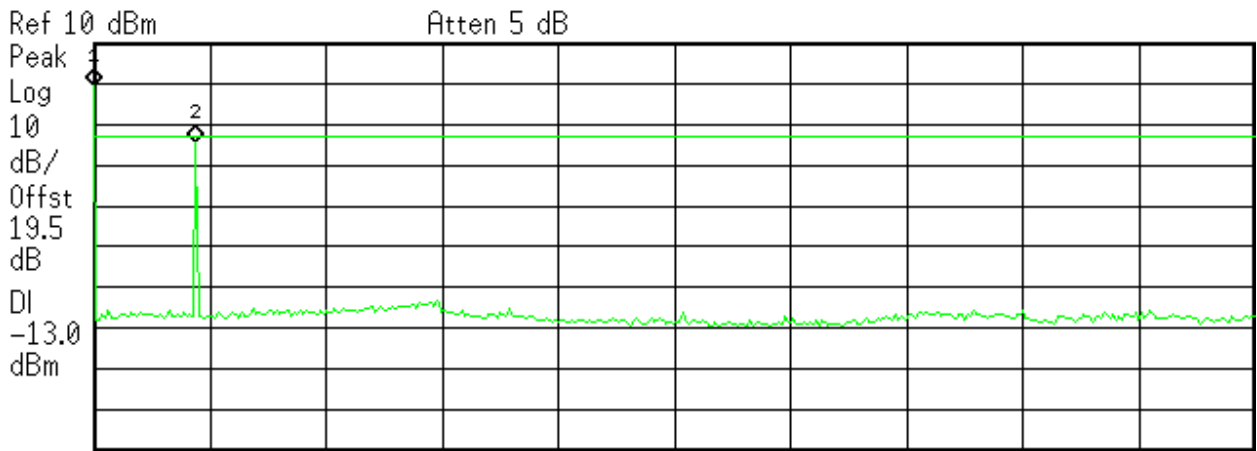


Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 869.275 MHz				


* Agilent 09:35:07 Feb 7, 2006



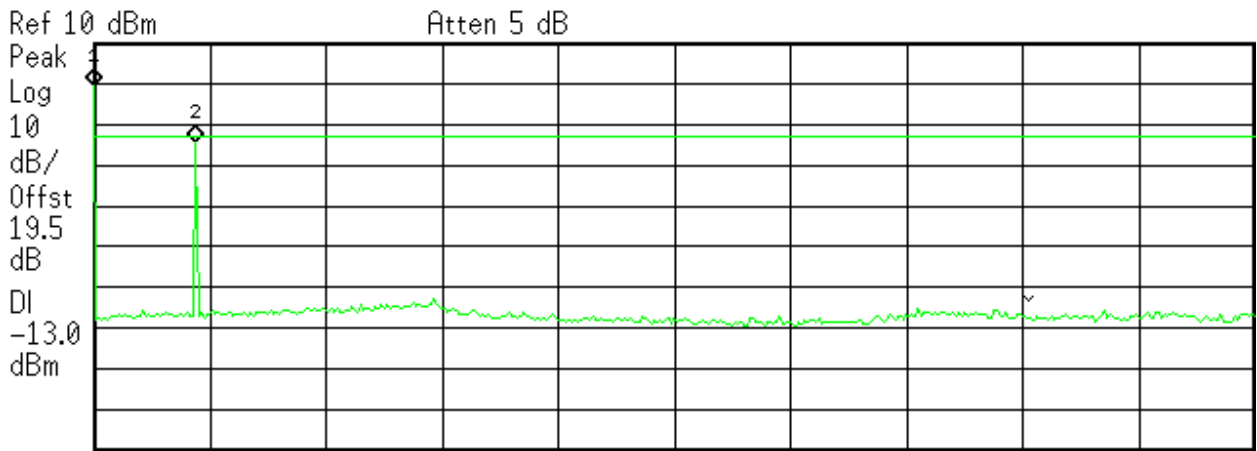
Start 800 kHz Stop 10 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 1.036 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1 MHz	-0.476 dBm
2	(1)	Freq	876 MHz	-14.51 dBm

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: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 881.5 MHz				


* Agilent 09:36:01 Feb 7, 2006



Start 800 kHz Stop 10 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 1.036 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1 MHz	-0.486 dBm
2	(1)	Freq	876 MHz	-14.4 dBm

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:	68061 (previously 48085)	Date:	7 Feb 2006
Customer:	Janizary Holdings Inc		
Model Number:	CHA-819	Serial Number:	
Description:	RF amplifier		
	Downlink GSM 893.725 MHz		
			Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90

* Agilent 09:31:19 Feb 7, 2006

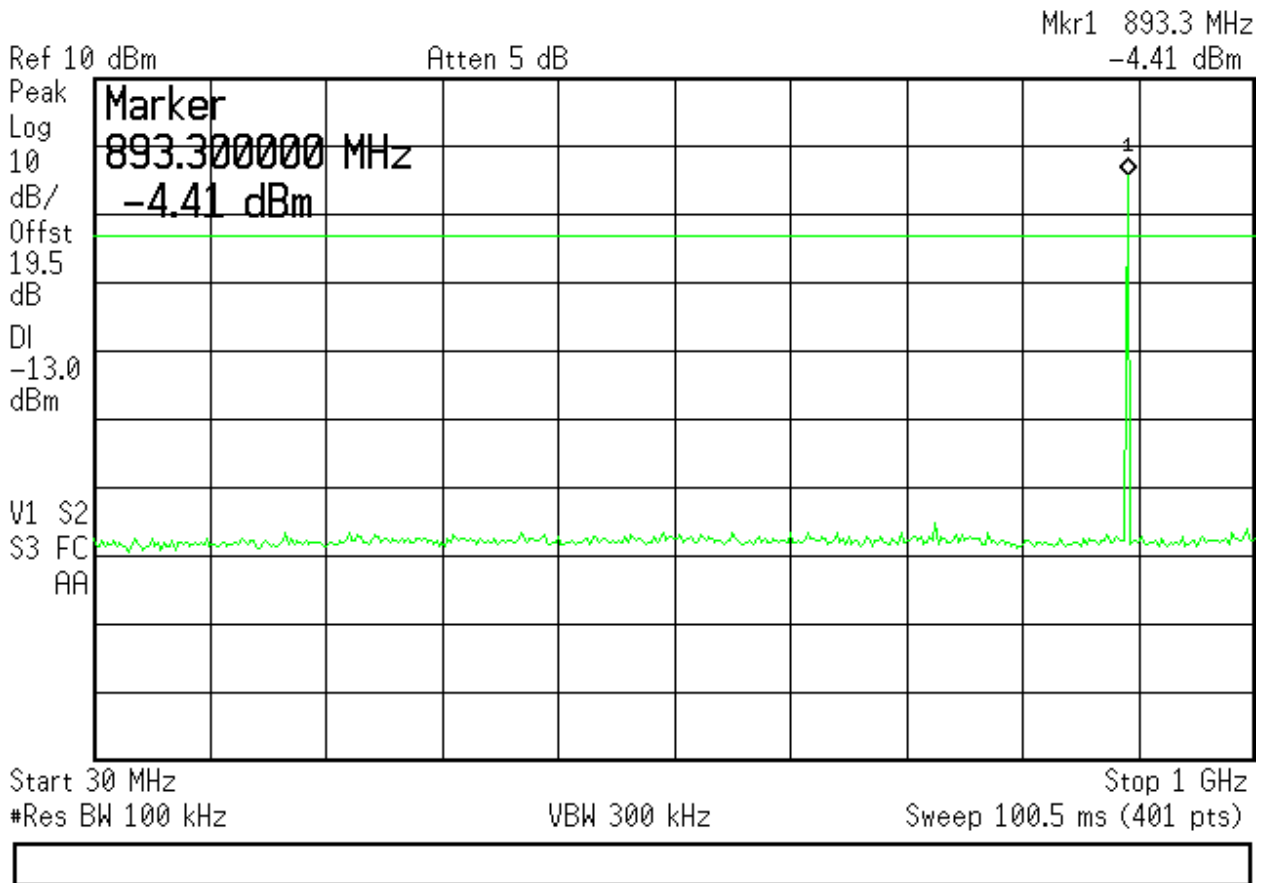

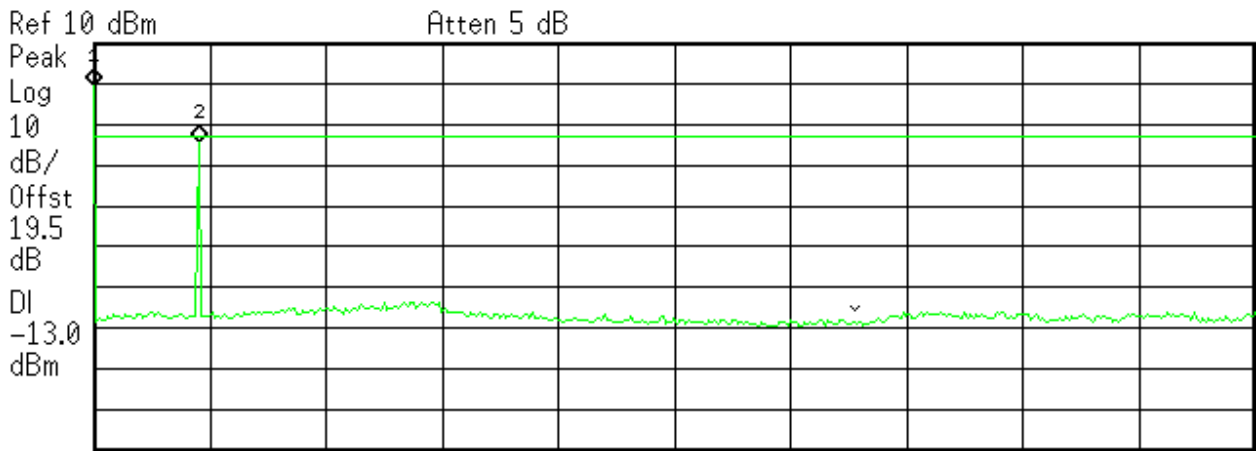


Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 893.725 MHz				


* Agilent 09:37:01 Feb 7, 2006



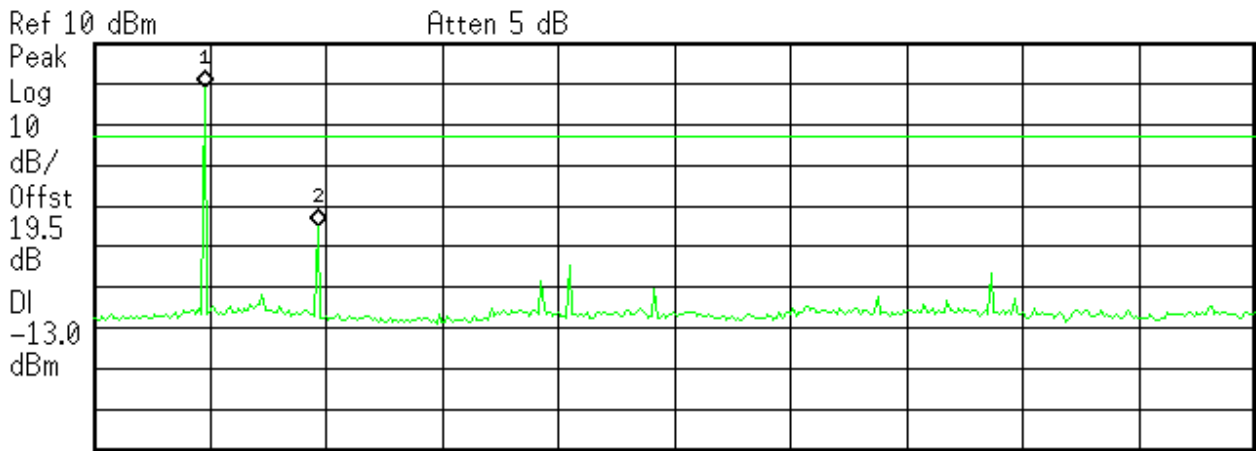
Start 800 kHz Stop 10 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 1.036 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1 MHz	-0.507 dBm
2	(1)	Freq	901 MHz	-14.61 dBm

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: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1930.275 MHz				


* Agilent 12:35:36 Feb 7, 2006



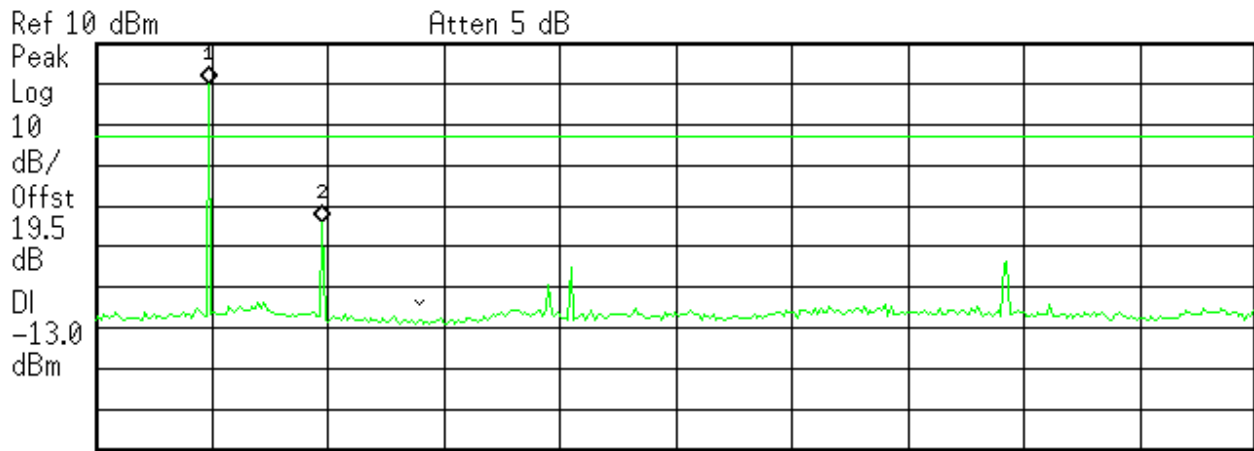
Start 30 MHz Stop 20 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 2.069 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.93 GHz	-0.802 dBm
2	(1)	Freq	3.87 GHz	-35.16 dBm

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: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1960 MHz				


* Agilent 12:36:21 Feb 7, 2006



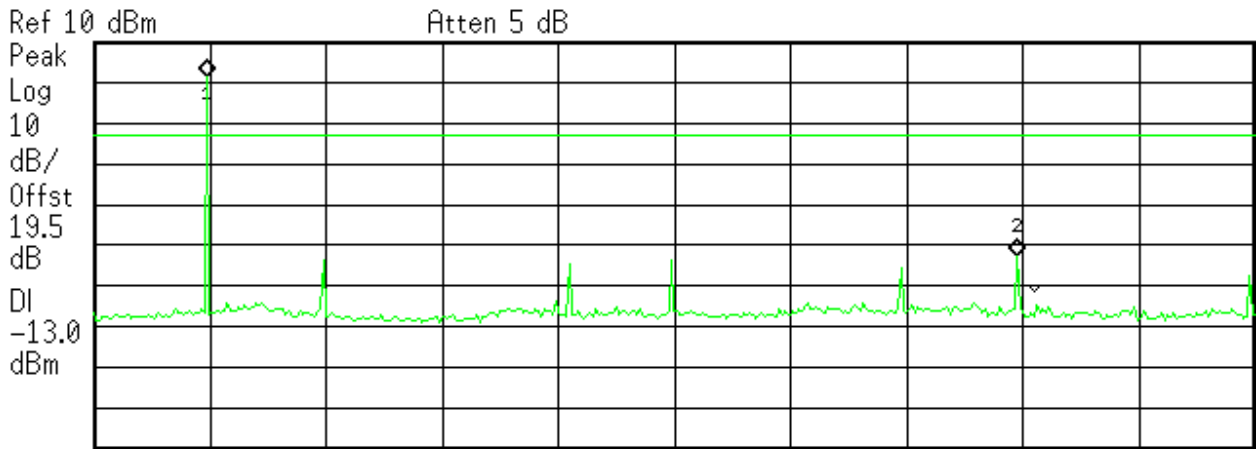
Start 30 MHz Stop 20 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 2.069 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.98 GHz	0.119 dBm
2	(1)	Freq	3.92 GHz	-34.14 dBm

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: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink GSM 1989.725 MHz				


Agilent 12:37:16 Feb 7, 2006



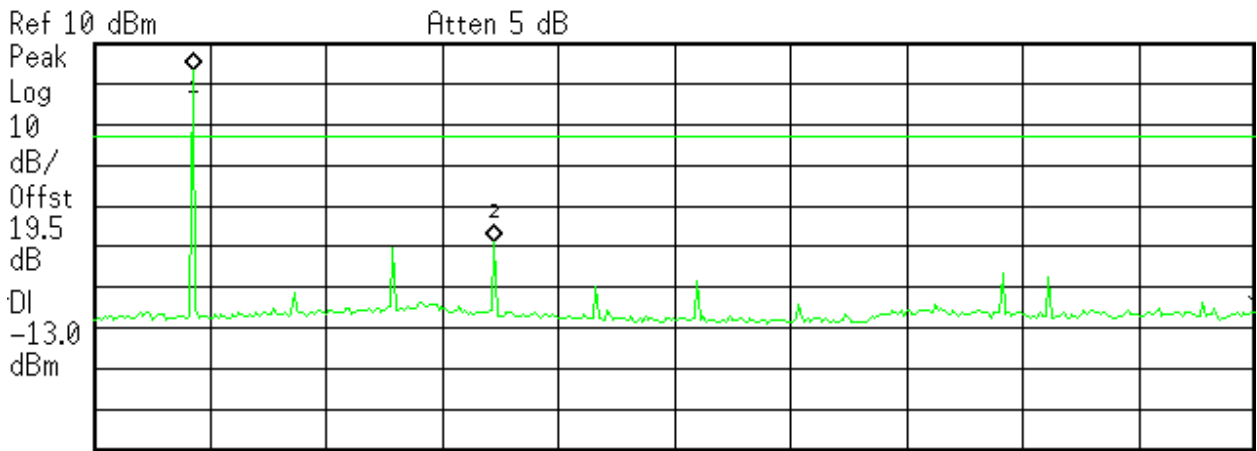
Start 30 MHz Stop 20 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 2.069 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.98 GHz	1.253 dBm
2	(1)	Freq	15.91 GHz	-42.42 dBm

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: 68061 (previously 48085)	Date: 7 Feb 2006		Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 869.040 MHz				


* Agilent 11:04:03 Feb 7, 2006



Start 30 MHz Stop 10 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 1.033 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	877 MHz	3.214 dBm
2	(1)	Freq	3.478 GHz	-38.87 dBm

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: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 881.5 MHz				

* Agilent 11:05:37 Feb 7, 2006

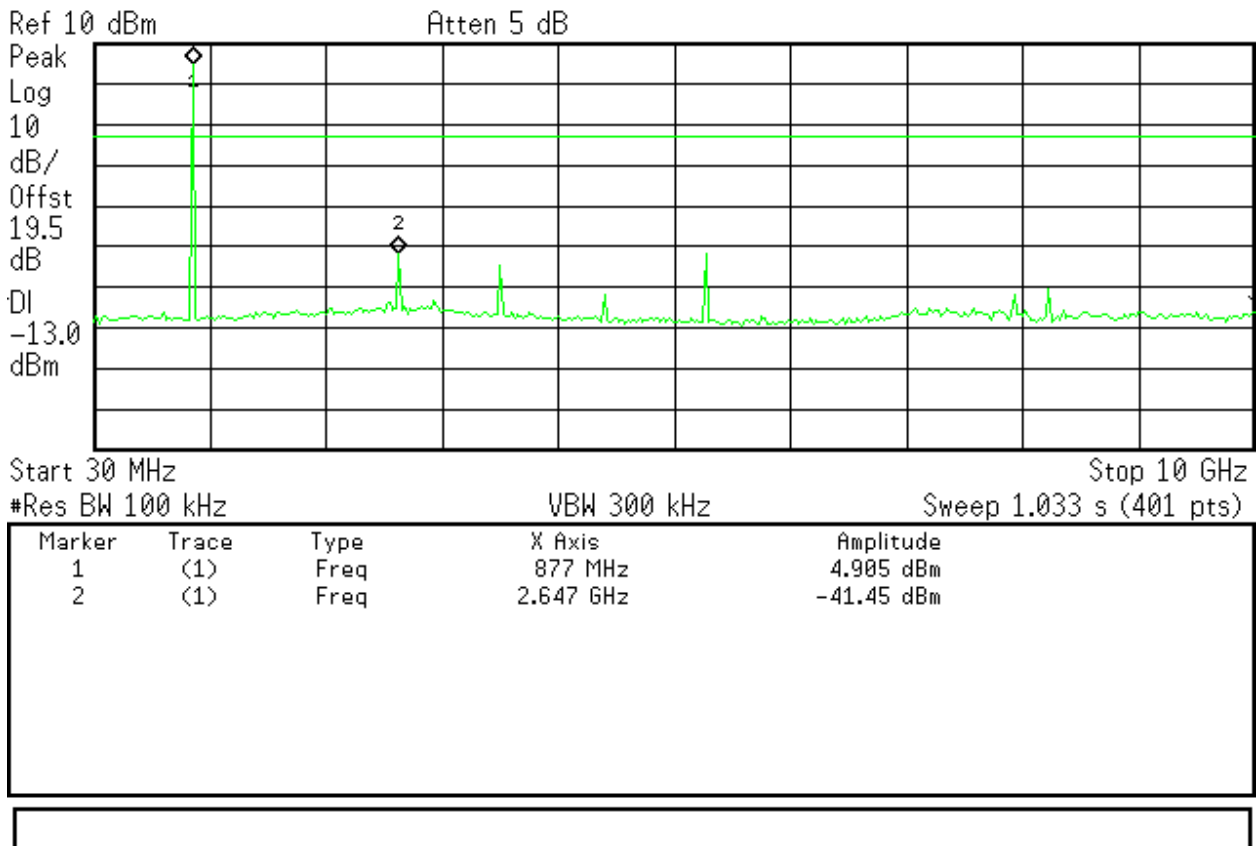



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 893.960 MHz				

* Agilent 11:06:32 Feb 7, 2006

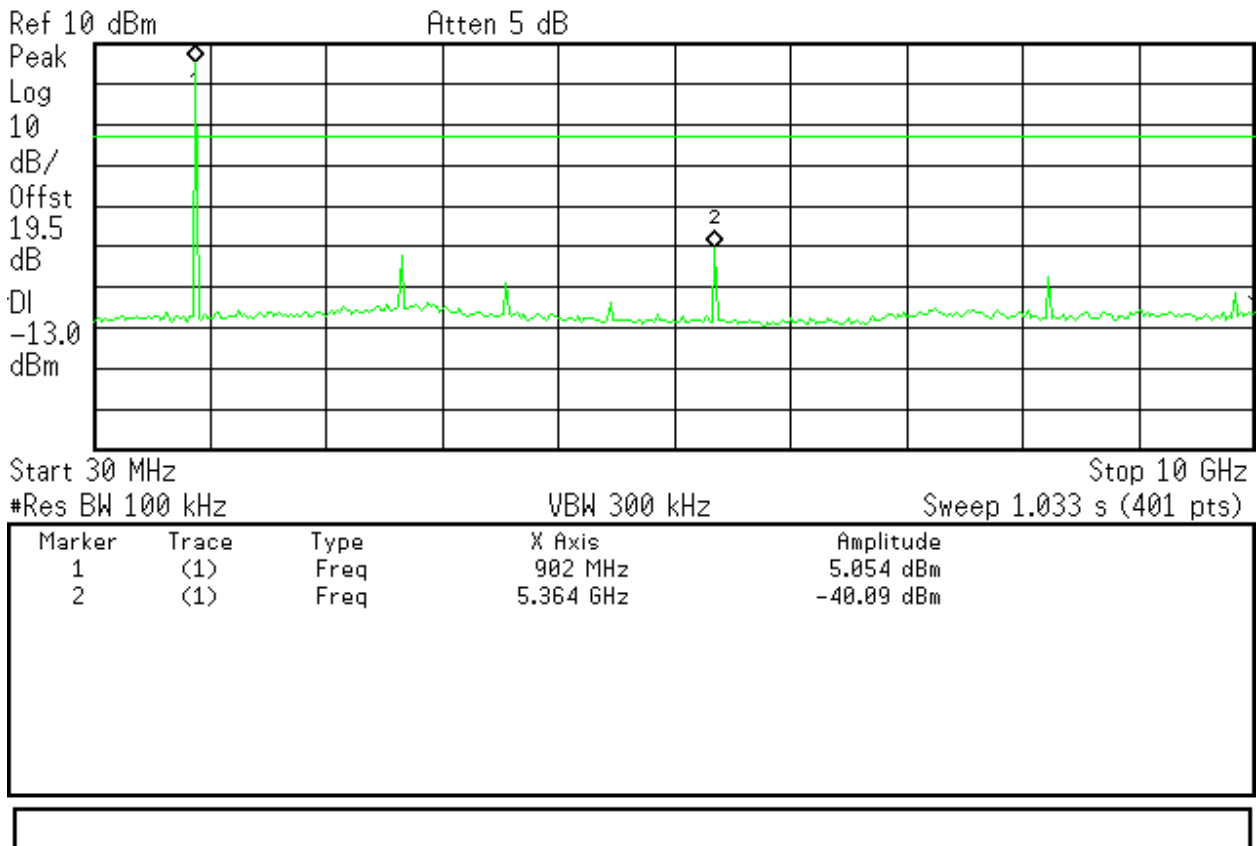




Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Antenna Conducted Spurious		
DNB Job Number:	68061 (previously 48085)	Date:	7 Feb 2006	
Customer:	Janizary Holdings Inc	Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 22 <input checked="" type="checkbox"/> FCC Part 24 <input checked="" type="checkbox"/> FCC Part 90		
Model Number:	CHA-819			Serial Number:
Description:	RF amplifier			
	Downlink TDMA 1930.040 MHz			

 Agilent 11:32:33 Feb 7, 2006

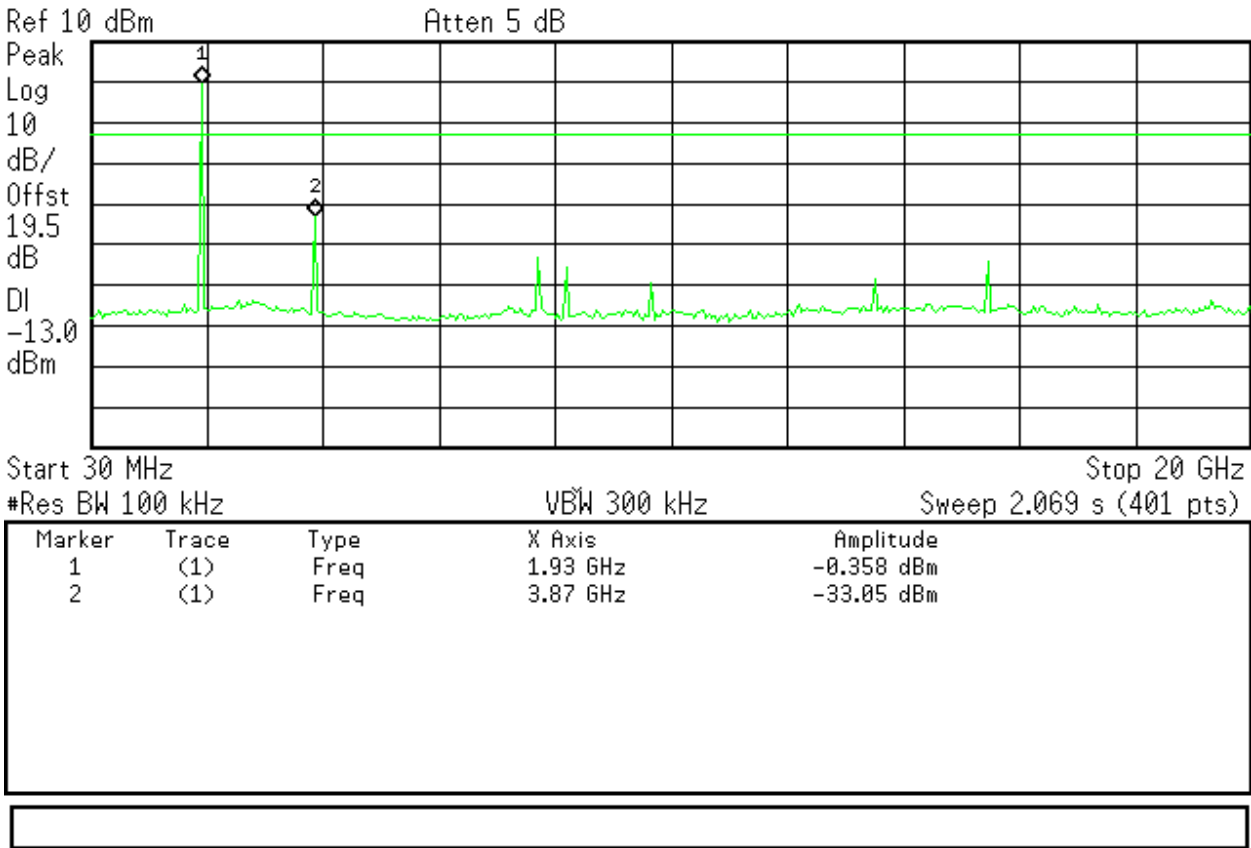

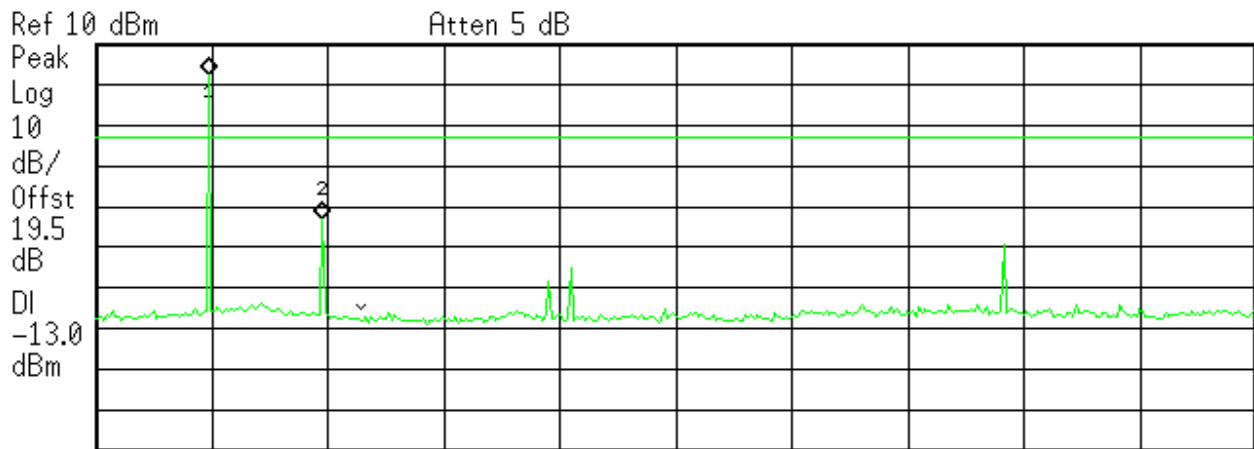


Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink TDMA 1960 MHz				

* Agilent 11:33:19 Feb 7, 2006



Start 30 MHz Stop 20 GHz
 #Res BW 100 kHz VBW 300 kHz Sweep 2.069 s (401 pts)

Marker	Trace	Type	X Axis	Amplitude
1	(1)	Freq	1.98 GHz	2.164 dBm
2	(1)	Freq	3.92 GHz	-32.96 dBm

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:	68061 (previously 48085)		
Customer:	Janizary Holdings Inc			Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90
Model Number:	CHA-819	Serial Number:		
Description:	RF amplifier			
	Downlink TDMA 1989.960 MHz			

* Agilent 11:34:13 Feb 7, 2006

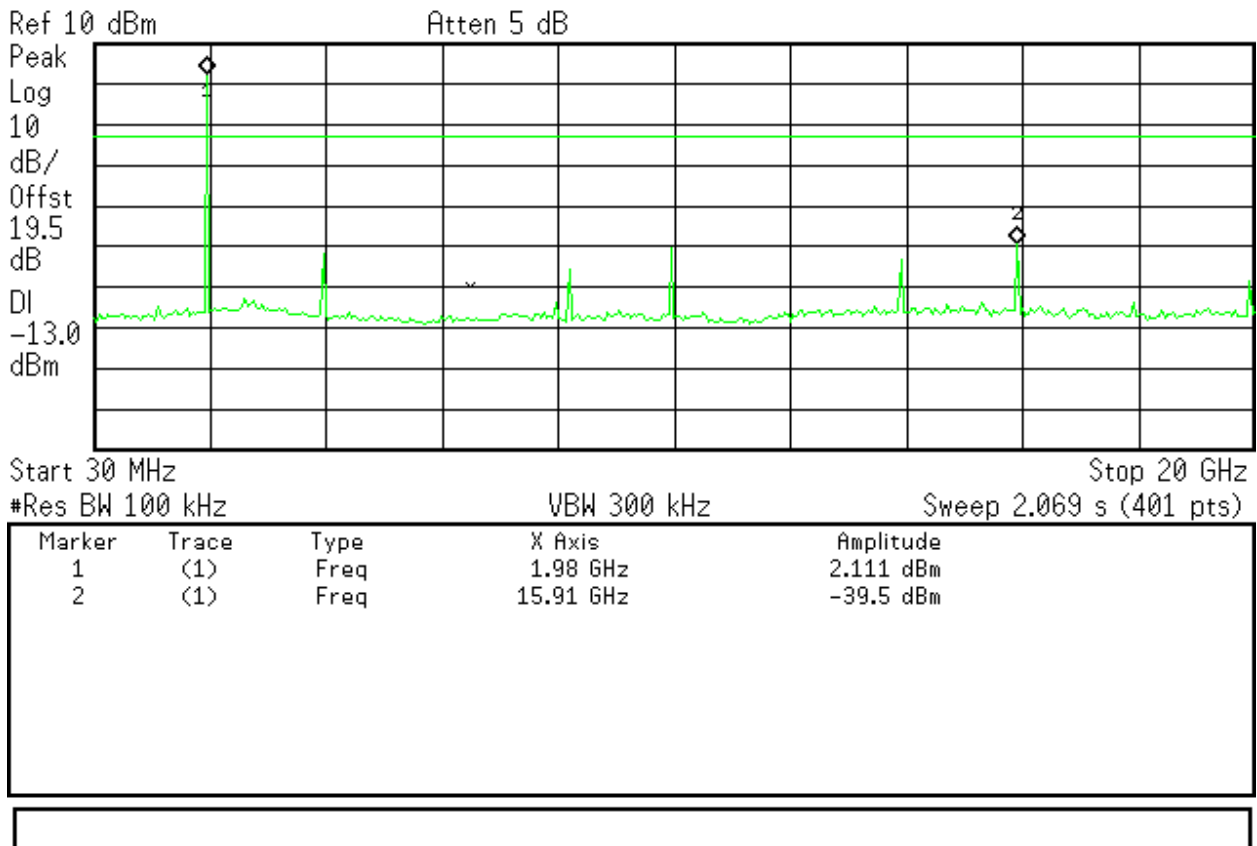



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1930.725 MHz				

Agilent 12:54:51 Feb 7, 2006

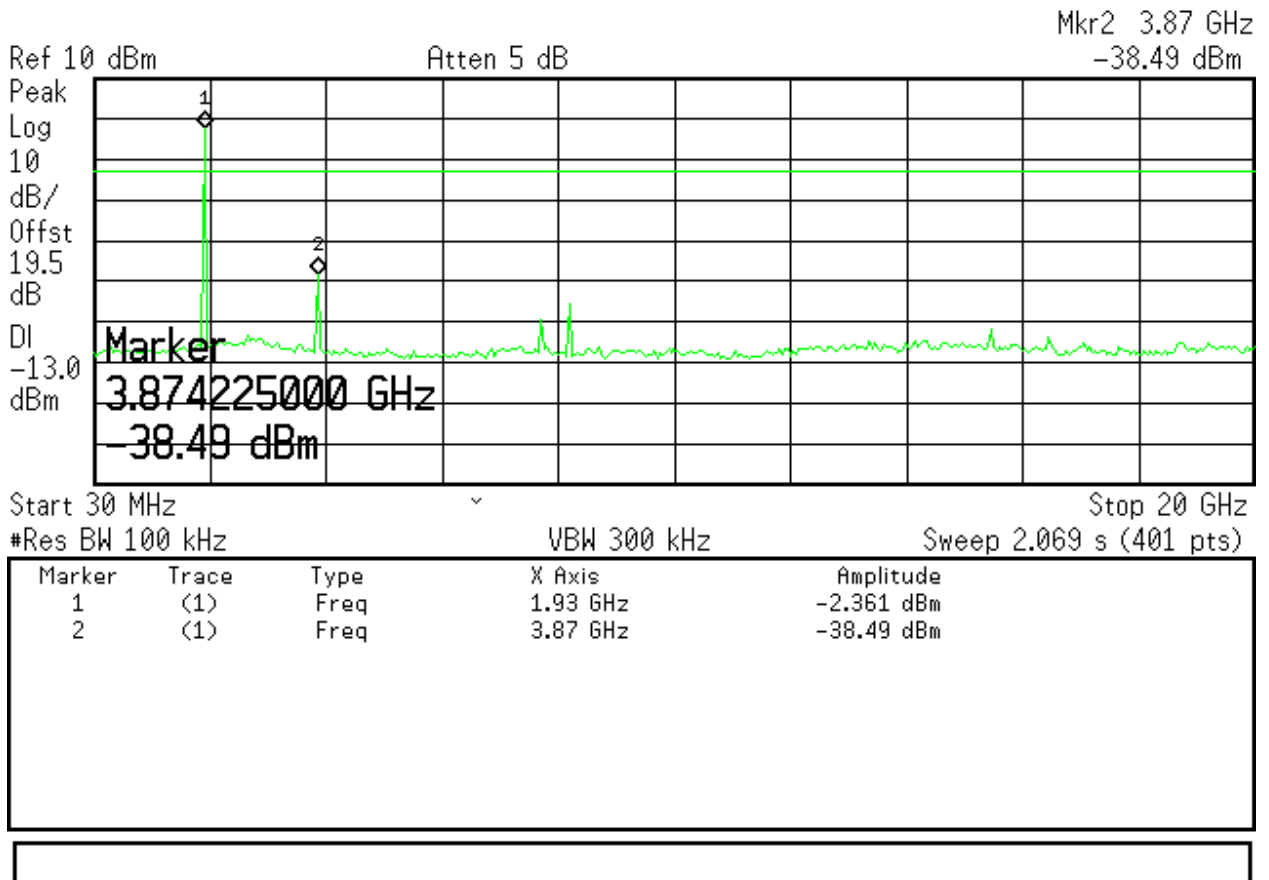



Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1960 MHz				

Agilent 12:55:40 Feb 7, 2006

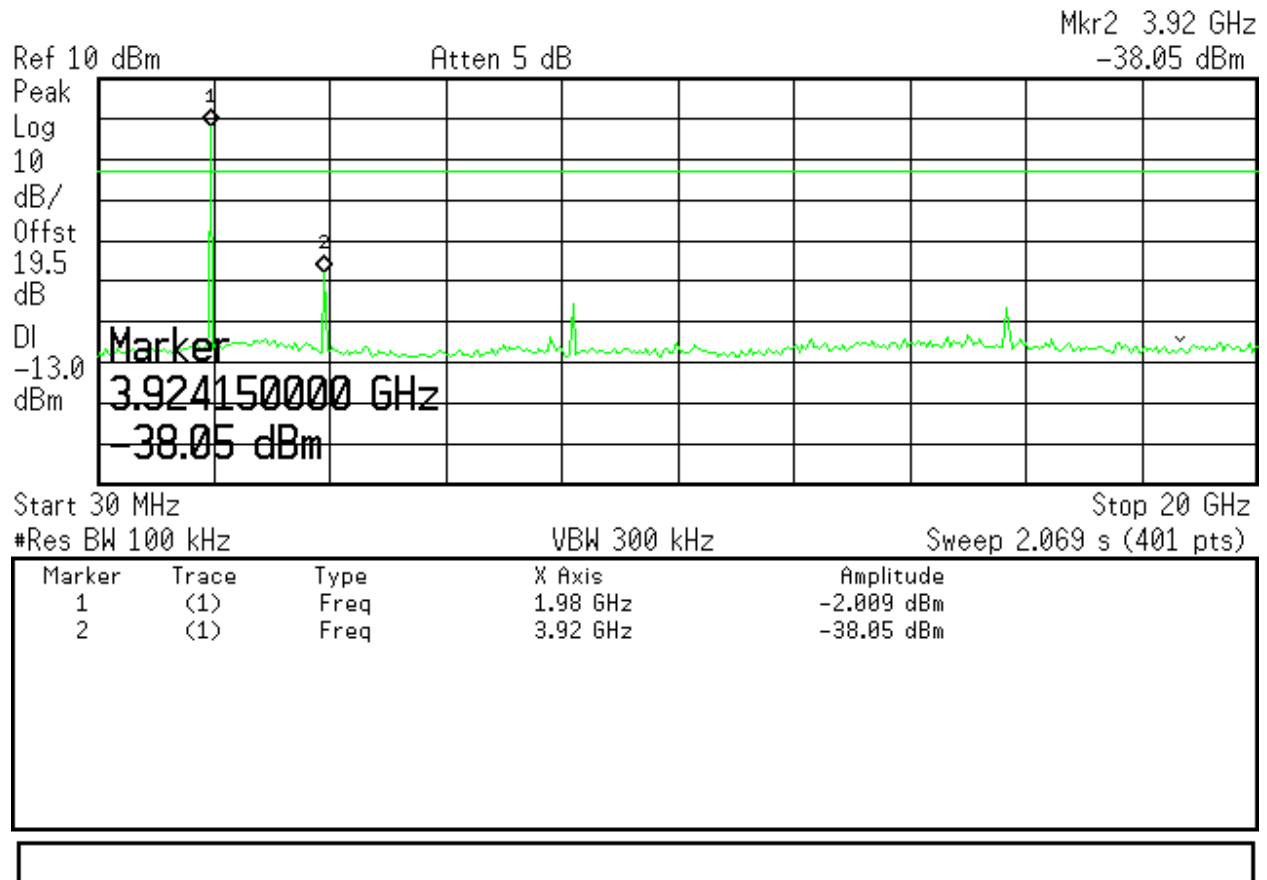

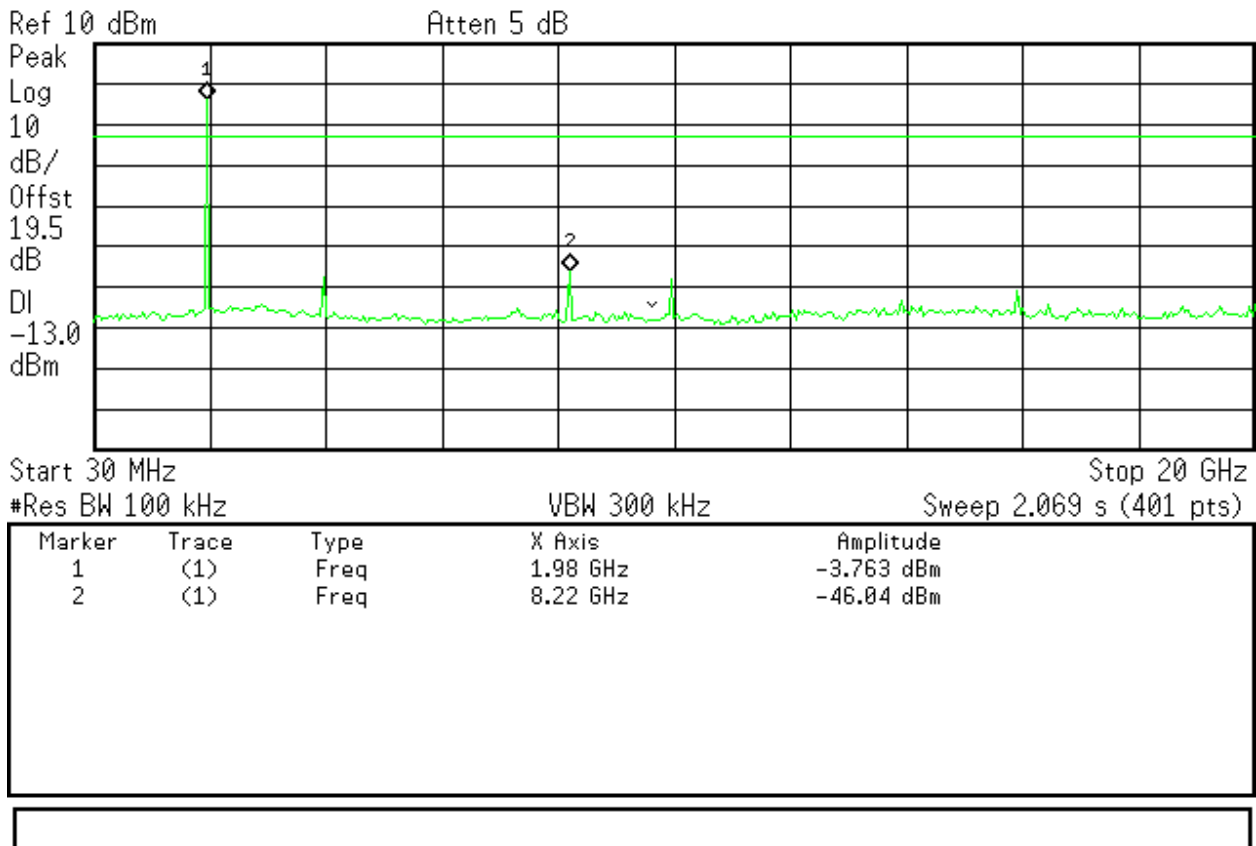


Figure 7: Conducted Spurious Emissions at Antenna Terminals, Downlink.

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Antenna Conducted Spurious	
	DNB Job Number: 68061 (previously 48085)	Date: 7 Feb 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink CDMA 1989.275 MHz				

* Agilent 12:56:55 Feb 7, 2006



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. If the DRG antenna is used the appropriate gain factor for the antenna is added into the reading for the final measurement. 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 no noticeable emission can be observed the ground floor is recorded in the data sheets.

Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula:

$$P_a(\text{dBm}) = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dB)}$$

where:

P_a is the dipole equivalent power (ERP) and

P_g is the generator output power into the substitution antenna.

Or for EIRP use the following;


Calculate the equivalent isotropic radiated power (EIRP), in dBm, by correcting the measured levels by the loss of elements feeding the antenna and the isotropic gain of the antenna as follows:

$$EIRP(\text{dBm}) = \text{Level (dBm)} - \text{Loss (dB)} + \text{Antenna Gain (dBi)}$$

Test Results: All readings were below the required limits or at the ground floor.


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: 68061 (formerly 48085)	Date: 8 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink 824MHz				


Harm		Polarity	Sig Gen (dBm)	Cable Loss (dB)	Ant Gain(dBi)	Corrected to ERP (dBm)	Limit (dBm)	Delta (dBm)
2	1648.00	H	-74.02	1.57	7.90	-67.69	-13.00	-54.69
3	2472.00	H	-68.44	2.30	8.65	-62.09	-13.00	-49.09
4	3296.00	H	-71.33	2.81	8.86	-65.28	-13.00	-52.28
5	4120.00	H	-66.58	3.22	9.33	-60.47	-13.00	-47.47
6	4944.00	H	-70.48	3.54	10.15	-63.87	-13.00	-50.87
7	5768.00	H	-75.06	3.82	10.44	-68.44	-13.00	-55.44
8	6592.00	H	-72.16	4.06	10.32	-65.90	-13.00	-52.90
9	7416.00	H	-69.24	4.27	10.24	-63.27	-13.00	-50.27
10	8240.00	H	-70.61	4.46	10.55	-64.52	-13.00	-51.52
2	1648.00	V	-68.64	1.57	7.90	-62.31	-13.00	-49.31
3	2472.00	V	-57.79	2.30	8.65	-51.44	-13.00	-38.44
4	3296.00	V	-66.00	2.81	8.86	-59.95	-13.00	-46.95
5	4120.00	V	-54.20	3.22	9.33	-48.09	-13.00	-35.09
6	4944.00	V	-73.55	3.54	10.15	-66.94	-13.00	-53.94
7	5768.00	V	-71.39	3.82	10.44	-64.77	-13.00	-51.77
8	6592.00	V	-73.26	4.06	10.32	-67.00	-13.00	-54.00
9	7416.00	V	-69.49	4.27	10.24	-63.52	-13.00	-50.52
10	8240.00	V	-68.90	4.46	10.55	-62.81	-13.00	-49.81

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: 68061 (formerly 48085)	Date: 8 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink 836.5MHz				


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to ERP (dBm)	Limit	Delta
2	1673.00	H	-74.10	1.60	7.89	-67.81	-13.00	-54.81
3	2509.50	H	-71.10	2.32	8.70	-64.72	-13.00	-51.72
4	3346.00	H	-71.19	2.84	8.89	-65.14	-13.00	-52.14
5	4182.50	H	-62.64	3.24	9.40	-56.48	-13.00	-43.48
6	5019.00	H	-74.04	3.57	10.21	-67.40	-13.00	-54.40
7	5855.50	H	-73.45	3.85	10.46	-66.84	-13.00	-53.84
8	6692.00	H	-73.65	4.09	10.29	-67.45	-13.00	-54.45
9	7528.50	H	-68.91	4.30	10.25	-62.96	-13.00	-49.96
10	8365.00	H	-68.99	4.49	10.68	-62.80	-13.00	-49.80
2	1673.00	V	-69.30	1.60	7.89	-63.01	-13.00	-50.01
3	2509.50	V	-62.39	2.32	8.70	-56.01	-13.00	-43.01
4	3346.00	V	-71.89	2.84	8.89	-65.84	-13.00	-52.84
5	4182.50	V	-58.03	3.24	9.40	-51.87	-13.00	-38.87
6	5019.00	V	-72.75	3.57	10.21	-66.11	-13.00	-53.11
7	5855.50	V	-72.80	3.85	10.46	-66.19	-13.00	-53.19
8	6692.00	V	-72.80	4.09	10.29	-66.60	-13.00	-53.60
9	7528.50	V	-69.43	4.30	10.25	-63.48	-13.00	-50.48
10	8365.00	V	-68.61	4.49	10.68	-62.42	-13.00	-49.42

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:	68061 (formerly 48085)	Date:	8 Jun 2006
Customer:	Janizary Holdings Inc			Conformance Standards <input checked="" type="checkbox"/> IC RSS-131 <input checked="" type="checkbox"/> FCC Part 22 <input checked="" type="checkbox"/> FCC Part 24 <input checked="" type="checkbox"/> FCC Part 90
Model Number:	CHA-819	Serial Number:		
Description:	RF amplifier			
	Uplink 849MHz			


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to ERP (dBm)	Limit	Delta
2	1698.00	H	-73.99	1.62	7.87	-67.74	-13.00	-54.74
3	2547.00	H	-70.73	2.35	8.70	-64.38	-13.00	-51.38
4	3396.00	H	-71.82	2.87	8.92	-65.77	-13.00	-52.77
5	4245.00	H	-70.45	3.27	9.47	-64.25	-13.00	-51.25
6	5094.00	H	-75.22	3.60	10.23	-68.59	-13.00	-55.59
7	5943.00	H	-72.67	3.87	10.48	-66.06	-13.00	-53.06
8	6792.00	H	-73.40	4.11	10.26	-67.25	-13.00	-54.25
9	7641.00	H	-69.49	4.33	10.27	-63.55	-13.00	-50.55
10	8490.00	H	-69.58	4.52	10.80	-63.30	-13.00	-50.30
2	1698.00	V	-72.10	1.62	7.87	-65.85	-13.00	-52.85
3	2547.00	V	-64.23	2.35	8.70	-57.88	-13.00	-44.88
4	3396.00	V	-72.90	2.87	8.92	-66.85	-13.00	-53.85
5	4245.00	V	-64.72	3.27	9.47	-58.52	-13.00	-45.52
6	5094.00	V	-73.75	3.60	10.23	-67.12	-13.00	-54.12
7	5943.00	V	-73.62	3.87	10.48	-67.01	-13.00	-54.01
8	6792.00	V	-70.57	4.11	10.26	-64.42	-13.00	-51.42
9	7641.00	V	-68.49	4.33	10.27	-62.55	-13.00	-49.55
10	8490.00	V	-69.01	4.52	10.80	-62.73	-13.00	-49.73

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

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Radiated Spurious	
	DNB Job Number: 68061 (formerly 48085)	Date: 8 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink 869MHz				


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to ERP (dBm)	Limit	Delta
2	1738.00	H	-72.36	1.66	7.85	-66.17	-13.00	-53.17
3	2607.00	H	-73.06	2.39	8.70	-66.75	-13.00	-53.75
4	3476.00	H	-72.87	2.91	8.96	-66.82	-13.00	-53.82
5	4345.00	H	-74.15	3.31	9.57	-67.89	-13.00	-54.89
6	5214.00	H	-73.80	3.64	10.27	-67.17	-13.00	-54.17
7	6083.00	H	-73.48	3.92	10.47	-66.93	-13.00	-53.93
8	6952.00	H	-70.40	4.16	10.21	-64.35	-13.00	-51.35
9	7821.00	H	-69.99	4.37	10.28	-64.08	-13.00	-51.08
10	8690.00	H	-69.92	4.56	11.00	-63.48	-13.00	-50.48
2	1738.00	V	-69.10	1.66	7.85	-62.91	-13.00	-49.91
3	2607.00	V	-72.99	2.39	8.70	-66.68	-13.00	-53.68
4	3476.00	V	-71.58	2.91	8.96	-65.53	-13.00	-52.53
5	4345.00	V	-73.05	3.31	9.57	-66.79	-13.00	-53.79
6	5214.00	V	-72.94	3.64	10.27	-66.31	-13.00	-53.31
7	6083.00	V	-73.04	3.92	10.47	-66.49	-13.00	-53.49
8	6952.00	V	-69.45	4.16	10.21	-63.40	-13.00	-50.40
9	7821.00	V	-68.84	4.37	10.28	-62.93	-13.00	-49.93
10	8690.00	V	-71.88	4.56	11.00	-65.44	-13.00	-52.44

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

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	Radiated Spurious	
DNB Job Number:	68061 (formerly 48085)	Date:	8 Jun 2006
Customer:	Janizary Holdings Inc		
Model Number:	CHA-819	Serial Number:	
Description:	RF amplifier		
	Downlink 881.5MHz		
Conformance Standards			
[X] IC RSS-131			
[X] FCC Part 22			
[X] FCC Part 24			
[X] FCC Part 90			


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to ERP (dBm)	Limit	Delta
2	1763.00	H	-74.00	1.69	7.83	-67.86	-13.00	-54.86
3	2644.50	H	-72.94	2.42	8.70	-66.66	-13.00	-53.66
4	3526.00	H	-72.67	2.94	8.98	-66.63	-13.00	-53.63
5	4407.50	H	-72.80	3.34	9.63	-66.51	-13.00	-53.51
6	5289.00	H	-73.10	3.66	10.29	-66.47	-13.00	-53.47
7	6170.50	H	-73.53	3.94	10.45	-67.02	-13.00	-54.02
8	7052.00	H	-67.43	4.18	10.21	-61.40	-13.00	-48.40
9	7933.50	H	-66.97	4.39	10.29	-61.07	-13.00	-48.07
10	8815.00	H	-69.06	4.58	11.12	-62.52	-13.00	-49.52
2	1763.00	V	-71.58	1.69	7.83	-65.44	-13.00	-52.44
3	2644.50	V	-72.86	2.42	8.70	-66.58	-13.00	-53.58
4	3526.00	V	-74.41	2.94	8.98	-68.37	-13.00	-55.37
5	4407.50	V	-72.12	3.34	9.63	-65.83	-13.00	-52.83
6	5289.00	V	-72.37	3.66	10.29	-65.74	-13.00	-52.74
7	6170.50	V	-67.49	3.94	10.45	-60.98	-13.00	-47.98
8	7052.00	V	-68.83	4.18	10.21	-62.80	-13.00	-49.80
9	7933.50	V	-68.07	4.39	10.29	-62.17	-13.00	-49.17
10	8815.00	V	-69.76	4.58	11.12	-63.22	-13.00	-50.22

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

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Radiated Spurious	
	DNB Job Number: 68061 (formerly 48085)	Date: 8 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink 894MHz				


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to ERP (dBm)	Limit	Delta
2	1788.00	H	-74.16	1.71	7.82	-68.05	-13.00	-55.05
3	2682.00	H	-72.57	2.44	8.70	-66.31	-13.00	-53.31
4	3576.00	H	-72.80	2.96	9.01	-66.75	-13.00	-53.75
5	4470.00	H	-71.72	3.36	9.70	-65.38	-13.00	-52.38
6	5364.00	H	-73.23	3.69	10.32	-66.60	-13.00	-53.60
7	6258.00	H	-72.66	3.97	10.42	-66.21	-13.00	-53.21
8	7152.00	H	-68.46	4.21	10.22	-62.45	-13.00	-49.45
9	8046.00	H	-70.09	4.42	10.35	-64.16	-13.00	-51.16
10	8940.00	H	-71.04	4.61	11.24	-64.41	-13.00	-51.41
2	1788.00	V	-72.30	1.71	7.82	-66.19	-13.00	-53.19
3	2682.00	V	-70.96	2.44	8.70	-64.70	-13.00	-51.70
4	3576.00	V	-72.34	2.96	9.01	-66.29	-13.00	-53.29
5	4470.00	V	-70.66	3.36	9.70	-64.32	-13.00	-51.32
6	5364.00	V	-68.07	3.69	10.32	-61.44	-13.00	-48.44
7	6258.00	V	-73.47	3.97	10.42	-67.02	-13.00	-54.02
8	7152.00	V	-68.16	4.21	10.22	-62.15	-13.00	-49.15
9	8046.00	V	-70.68	4.42	10.35	-64.75	-13.00	-51.75
10	8940.00	V	-68.76	4.61	11.24	-62.13	-13.00	-49.13

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: 68061 (formerly 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Description: Uplink 1850MHz				


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to EIRP (dBm)	Limit	Delta
2	3700.00	H	-71.75	3.02	9.06	-65.71	-13.00	-52.71
3	5550.00	H	-66.47	3.75	10.37	-59.85	-13.00	-46.85
4	7400.00	H	-70.19	4.27	10.24	-64.22	-13.00	-51.22
5	9250.00	H	-70.18	4.67	11.40	-63.45	-13.00	-50.45
6	11100.00	H	-70.81	5.00	11.69	-64.12	-13.00	-51.12
7	12950.00	H	-70.36	5.27	12.71	-62.92	-13.00	-49.92
8	14800.00	H	-67.22	5.51	13.25	-59.48	-13.00	-46.48
9	16650.00	H	-67.78	5.73	13.96	-59.55	-13.00	-46.55
10	18500.00	H	-68.93	5.92	9.01	-65.84	-13.00	-52.84
2	3700.00	V	-68.27	3.02	9.06	-62.23	-13.00	-49.23
3	5550.00	V	-65.06	3.75	10.37	-58.44	-13.00	-45.44
4	7400.00	V	-67.04	4.27	10.24	-61.07	-13.00	-48.07
5	9250.00	V	-69.38	4.67	11.40	-62.65	-13.00	-49.65
6	11100.00	V	-70.88	5.00	11.69	-64.19	-13.00	-51.19
7	12950.00	V	-70.48	5.27	12.71	-63.04	-13.00	-50.04
8	14800.00	V	-66.19	5.51	13.25	-58.45	-13.00	-45.45
9	16650.00	V	-68.37	5.73	13.96	-60.14	-13.00	-47.14
10	18500.00	V	-69.08	5.92	9.01	-65.99	-13.00	-52.99

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: 68061 (formerly 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink 1880MHz				


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to EIRP (dBm)	Limit	Delta
2	3760.00	H	-69.05	3.05	9.09	-63.01	-13.00	-50.01
3	5640.00	H	-67.17	3.78	10.40	-60.55	-13.00	-47.55
4	7520.00	H	-68.81	4.30	10.25	-62.86	-13.00	-49.86
5	9400.00	H	-69.13	4.70	11.47	-62.36	-13.00	-49.36
6	11280.00	H	-69.33	5.03	11.86	-62.50	-13.00	-49.50
7	13160.00	H	-69.11	5.30	12.37	-62.04	-13.00	-49.04
8	15040.00	H	-66.76	5.54	13.59	-58.71	-13.00	-45.71
9	16920.00	H	-69.10	5.76	13.22	-61.64	-13.00	-48.64
10	18800.00	H	-65.62	5.95	8.25	-63.32	-13.00	-50.32
2	3760.00	V	-60.37	3.05	9.09	-54.33	-13.00	-41.33
3	5640.00	V	-67.59	3.78	10.40	-60.97	-13.00	-47.97
4	7520.00	V	-62.53	4.30	10.25	-56.58	-13.00	-43.58
5	9400.00	V	-62.94	4.70	11.47	-56.17	-13.00	-43.17
6	11280.00	V	-70.20	5.03	11.86	-63.37	-13.00	-50.37
7	13160.00	V	-68.26	5.30	12.37	-61.19	-13.00	-48.19
8	15040.00	V	-67.11	5.54	13.59	-59.06	-13.00	-46.06
9	16920.00	V	-67.50	5.76	13.22	-60.04	-13.00	-47.04
10	18800.00	V	-67.20	5.95	8.25	-64.90	-13.00	-51.90

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: 68061 (formerly 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Uplink 1910MHz				


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to EIRP (dBm)	Limit	Delta
2	3820.00	H	-66.61	3.08	9.12	-60.57	-13.00	-47.57
3	5730.00	H	-73.18	3.81	10.42	-66.57	-13.00	-53.57
4	7640.00	H	-65.96	4.33	10.27	-60.02	-13.00	-47.02
5	9550.00	H	-69.27	4.73	11.53	-62.47	-13.00	-49.47
6	11460.00	H	-68.91	5.06	12.02	-61.95	-13.00	-48.95
7	13370.00	H	-67.28	5.33	12.32	-60.29	-13.00	-47.29
8	15280.00	H	-67.78	5.57	14.16	-59.19	-13.00	-46.19
9	17190.00	H	-68.58	5.78	12.47	-61.89	-13.00	-48.89
10	19100.00	H	-67.89	5.97	7.50	-66.36	-13.00	-53.36
2	3820.00	V	-56.95	3.08	9.12	-50.91	-13.00	-37.91
3	5730.00	V	-73.08	3.81	10.42	-66.47	-13.00	-53.47
4	7640.00	V	-64.98	4.33	10.27	-59.04	-13.00	-46.04
5	9550.00	V	-70.15	4.73	11.53	-63.35	-13.00	-50.35
6	11460.00	V	-68.74	5.06	12.02	-61.78	-13.00	-48.78
7	13370.00	V	-67.26	5.33	12.32	-60.27	-13.00	-47.27
8	15280.00	V	-65.66	5.57	14.16	-57.07	-13.00	-44.07
9	17190.00	V	-66.70	5.78	12.47	-60.01	-13.00	-47.01
10	19100.00	V	-67.80	5.97	7.50	-66.27	-13.00	-53.27

FIGURE 8: RADIATED FIELD STRENGTH OF SPURIOUS EMISSIONS, DOWNLINK

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Radiated Spurious	
	DNB Job Number: 68061 (formerly 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink 1930MHz				


Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to EIRP (dBm)	Limit	Delta
2	3860.00	H	-70.22	3.10	9.14	-64.18	-13.00	-51.18
3	5790.00	H	-73.68	3.83	10.44	-67.07	-13.00	-54.07
4	7720.00	H	-68.72	4.34	10.27	-62.79	-13.00	-49.79
5	9650.00	H	-70.42	4.75	11.56	-63.61	-13.00	-50.61
6	11580.00	H	-67.93	5.07	12.13	-60.87	-13.00	-47.87
7	13510.00	H	-66.62	5.35	12.30	-59.67	-13.00	-46.67
8	15440.00	H	-64.84	5.59	14.53	-55.90	-13.00	-42.90
9	17370.00	H	-67.76	5.80	11.98	-61.58	-13.00	-48.58
10	19300.00	H	-67.72	5.99	7.01	-66.70	-13.00	-53.70
2	3860.00	V	-67.22	3.10	9.14	-61.18	-13.00	-48.18
3	5790.00	V	-72.17	3.83	10.44	-65.56	-13.00	-52.56
4	7720.00	V	-69.43	4.34	10.27	-63.50	-13.00	-50.50
5	9650.00	V	-69.61	4.75	11.56	-62.80	-13.00	-49.80
6	11580.00	V	-68.61	5.07	12.13	-61.55	-13.00	-48.55
7	13510.00	V	-67.09	5.35	12.30	-60.14	-13.00	-47.14
8	15440.00	V	-66.60	5.59	14.53	-57.66	-13.00	-44.66
9	17370.00	V	-67.35	5.80	11.98	-61.17	-13.00	-48.17
10	19300.00	V	-66.10	5.99	7.01	-65.08	-13.00	-52.08

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

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Radiated Spurious	
	DNB Job Number: 68061 (formerly 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink 1960MHz				

Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to EIRP (dBm)	Limit	Delta
2	3920.00	H	-64.86	3.13	9.16	-58.83	-13.00	-45.83
3	5880.00	H	-73.31	3.86	10.47	-66.70	-13.00	-53.70
4	7840.00	H	-69.30	4.37	10.28	-63.39	-13.00	-50.39
5	9800.00	H	-70.44	4.77	11.62	-63.59	-13.00	-50.59
6	11760.00	H	-69.53	5.10	12.29	-62.34	-13.00	-49.34
7	13720.00	H	-65.77	5.38	12.25	-58.90	-13.00	-45.90
8	15680.00	H	-67.14	5.62	15.08	-57.68	-13.00	-44.68
9	17640.00	H	-67.35	5.83	11.25	-61.93	-13.00	-48.93
10	19600.00	H	-68.50	6.02	6.28	-68.24	-13.00	-55.24
2	3920.00	V	-63.51	3.13	9.16	-57.48	-13.00	-44.48
3	5880.00	V	-69.60	3.86	10.47	-62.99	-13.00	-49.99
4	7840.00	V	-69.71	4.37	10.28	-63.80	-13.00	-50.80
5	9800.00	V	-70.60	4.77	11.62	-63.75	-13.00	-50.75
6	11760.00	V	-69.16	5.10	12.29	-61.97	-13.00	-48.97
7	13720.00	V	-67.09	5.38	12.25	-60.22	-13.00	-47.22
8	15680.00	V	-66.91	5.62	15.08	-57.45	-13.00	-44.45
9	17640.00	V	-66.04	5.83	11.25	-60.62	-13.00	-47.62
10	19600.00	V	-67.90	6.02	6.28	-67.64	-13.00	-54.64

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

	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704		Radiated Spurious	
	DNB Job Number: 68061 (formerly 48085)	Date: 9 Jun 2006	Conformance Standards [X] IC RSS-131 [X] FCC Part 22 [X] FCC Part 24 [X] FCC Part 90	
Customer: Janizary Holdings Inc	Serial Number:			
Model Number: CHA-819	Description: RF amplifier			
Downlink 1990MHz				

Harm		Pol	Sig Gen	Cable Loss	Ant Gain	Corrected to EIRP (dBm)	Limit	Delta
2	3980.00	H	-69.12	3.15	9.19	-63.08	-13.00	-50.08
3	5970.00	H	-67.70	3.88	10.49	-61.09	-13.00	-48.09
4	7960.00	H	-72.16	4.40	10.30	-66.26	-13.00	-53.26
5	9950.00	H	-67.92	4.80	11.68	-61.04	-13.00	-48.04
6	11940.00	H	-70.20	5.13	12.45	-62.88	-13.00	-49.88
7	13930.00	H	-70.77	5.41	12.21	-63.97	-13.00	-50.97
8	15920.00	H	-68.11	5.65	15.62	-58.14	-13.00	-45.14
9	17910.00	H	-67.54	5.86	10.54	-62.86	-13.00	-49.86
10	19900.00	H	-68.59	6.05	5.56	-69.08	-13.00	-56.08
2	3980.00	V	-61.92	3.15	9.19	-55.88	-13.00	-42.88
3	5970.00	V	-66.75	3.88	10.49	-60.14	-13.00	-47.14
4	7960.00	V	-68.19	4.40	10.30	-62.29	-13.00	-49.29
5	9950.00	V	-69.97	4.80	11.68	-63.09	-13.00	-50.09
6	11940.00	V	-68.05	5.13	12.45	-60.73	-13.00	-47.73
7	13930.00	V	-67.15	5.41	12.21	-60.35	-13.00	-47.35
8	15920.00	V	-67.16	5.65	15.62	-57.19	-13.00	-44.19
9	17910.00	V	-67.55	5.86	10.54	-62.87	-13.00	-49.87
10	19900.00	V	-66.71	6.05	5.56	-67.20	-13.00	-54.20

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 10 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:	68061 (formerly 48085)	Date:	12 Jun 2006	Conformance Standards [X] FCC Part 15 [X] IC Cispr 22	
Customer:	Janizary Holdings Inc				
Model Number:	CHA-819	Serial Number:			
Description:	RF amplifier				

FREQ		Correction Factors (dB)					in dBuV/m			in uV/m			Typ	Tbl	Pl	Hgt
		Bcn	Log	Cbl	Amp	Dis	Corr	Lim	Delta	Corr	Lim	Delta				
30.217	32.8	14.7	0.0	0.6	-24.4	0.0	23.7	30.0	-6.3	15	32	-17	PK	61	H	4.00
58.256	34.9	10.2	0.0	0.9	-24.3	0.0	21.7	30.0	-8.3	12	32	-20	PK	0	H	4.00
146.048	30.9	11.7	0.0	1.7	-24.3	0.0	20	30.0	-10.0	10	32	-22	PK	178	H	3.83
201.991	23.3	0.0	10.9	2.1	-24.3	0.0	12.0	30.0	-18.0	4	32	-28	PK	65	H	1.00
204.688	24.8	0.0	11.0	2.1	-24.3	0.0	13.6	30.0	-16.4	5	32	-27	PK	360	H	3.83
504.491	29.9	0.0	19.2	3.7	-24.8	0.0	28.0	37.0	-9.0	25	71	-46	PK	65	H	1.00
913.798	27.0	0.0	25.0	5.5	-25.1	0.0	32.4	37.0	-4.6	42	71	-29	PK	98	H	1.14
32.388	31.7	13.8	0.0	0.6	-24.3	0.0	21.8	30.0	-8.2	12	32	-20	PK	360	V	1.71
58.481	30.3	10.2	0.0	0.9	-24.3	0.0	17.1	30.0	-12.9	7	32	-25	PK	316	V	1.91
74.981					-24.3	0.0	17.6		-12.4	8	32					
147.234					-24.3	0.0	15.8		-14.2	6	32					
198.374	24.1	15.3	0.0	2.1	-24.3	0.0	17.2	30.0	-12.8	7	32	-25	PK	104	V	1.72
206.368	27.0	0.0	11.0	2.1	-24.3	0.0	15.8	30.0	-14.2	6	32	-26	PK	104	V	1.72
305.520	23.4	0.0	14.2	2.5	-24.5	0.0	15.6	37.0	-21.4	6	71	-65	PK	104	V	1.72
501.615	31.4	0.0	19.3	3.7	-24.8	0.0	29.6	37.0	-7.4	30	71	-41	PK	104	V	1.72
906.300	23.2	0.0	25.1	5.5	-25.1	0.0	28.7	37.0	-8.3	27	71	-44	PK	104	V	1.72

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 CHA-819 (800 / 1900 MHz) dual band RF Compensator is operated as a mobile device as defined in 2.1091(b) based on its design and installation. The compensator is installed into a vehicle such 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 the occupants of the vehicle and the antenna.

The CHA-819 (800 / 1900 MHz) dual band RF Compensator has a transmitted conducted power of 0.5 W in both cellular and PCS bands. The mobile antenna supplied with the transceiver has a maximum gain of 3 dB, and minimum cable loss of -1.0 dB, together resulting in a maximum EIRP of 1 W. Since the transmit cellular band (824-849 MHz) is below 1.5 GHz and its EIRP with the supplied antenna is below 1.5 and transmit PCS band (1850-1910 MHz) is above 1.5 GHz and its EIRP with the supplied antenna is below 3W, the 800 / 1900 MHz RF Compensator is categorically excluded from routine environmental evaluation per 2.1091(c).

RF Exposure – MPE Calculations

Input

Transmitter Power: 1315 mW

Antenna Gain: 3 dB

Cable loss: 1 dB @ 824 – 849 MHz
2 dB @ 1850 – 1910 MHz

Frequency range: 824-849 MHz and 1850-1910 MHz

Assumptions

1. A single $\frac{1}{4}$ wavelength radiating antenna is assumed.
2. Closest exposure distance is assumed to be 20 cm

RF Exposure – MPE Calculations

Calculations

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 ¼ wavelength radiator, a distance of 20 cm is considered to be in the far-field for all cases.

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

@ 824 – 849 MHz

P is 1315 mW

G is 2 dB (Antenna gain – loss) or $10^{(2/10)}$ or 1.585

R is 20 cm

$$\underline{S = 0.415 \text{ mW/cm}^2}$$

For Occupational/Controlled Exposure

From 300 to 1500 MHz, power density limit is f/300 mW/cm²

@ 824 MHz, power density limit is **2.75 mW/cm² for 6 minutes.**

For General Population/Uncontrolled Exposure

From 300 to 1500 MHz, power density limit is f/1500 mW/cm²

@ 824 MHz, Power density limit is **0.55 mW/cm² for 30 minutes.**

Conclusion: Meets MPE limits

@ 1850 – 1910 MHz

P is 1315 mW

G is 1 dB (Antenna gain – loss) or $10^{(1/10)}$ or 1.26

R is 20 cm

$$\underline{S = 0.329516 \text{ mW/cm}^2}$$

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:

