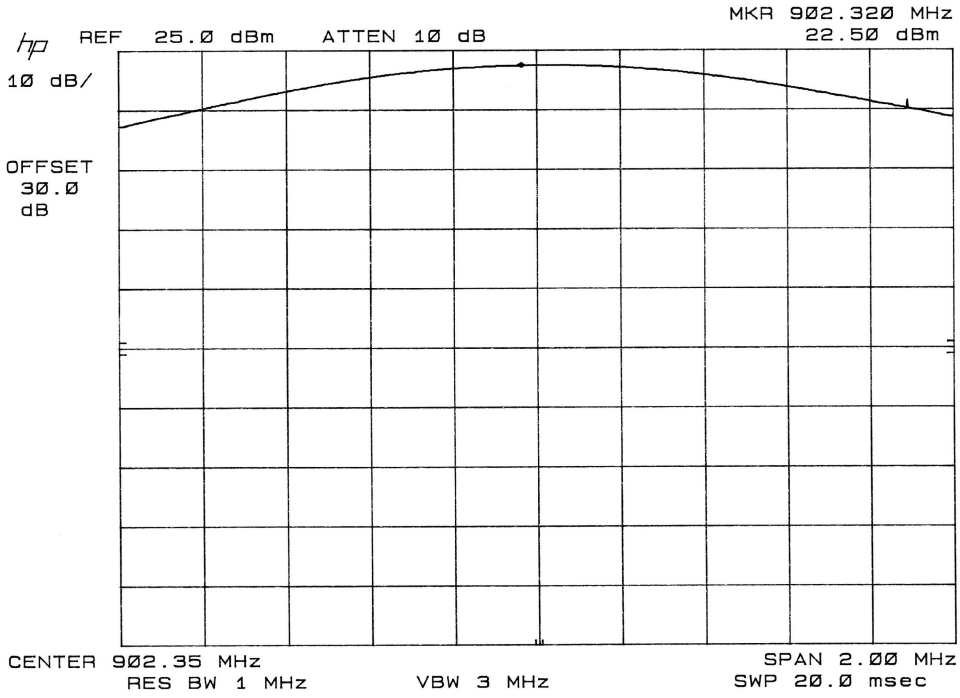
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Output Power** (Cond)	
DNB Job Number:	58090	Date: 04 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(b,2)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	57 %	102.0 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elder*s

Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (W)	Limit (W)	Delta (W)	Pass/Fail
902.36	22.5	30.0	-7.5	0.178	1	-0.822	Pass

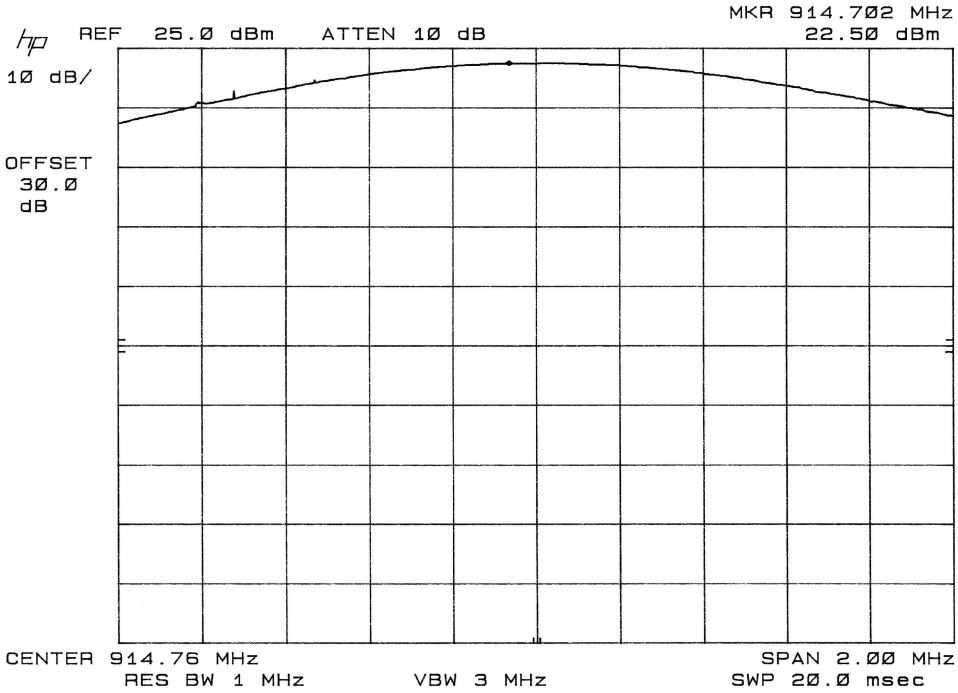


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Output Power** (Cond)	
DNB Job Number:	58090	Date: 04 Mar 2005	**Conformance Standard** FCC Part 15
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(b,2)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	57 %	102.0 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elder*s

Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (W)	Limit (W)	Delta (W)	Pass/Fail
914.76	22.5	30.0	-7.5	0.178	1	-0.822	Pass

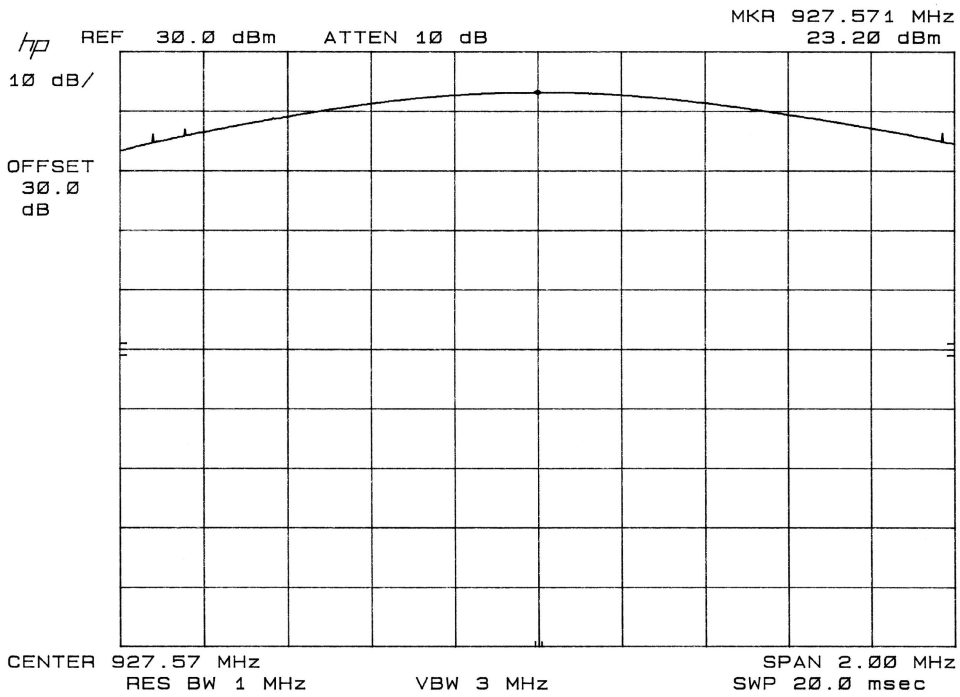


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Peak Output Power** (Cond)	
DNB Job Number:	58090	Date: 04 Mar 2005	**Conformance Standard**
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	FCC Part 15
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(b,2)

Environmental Conditions		
Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	57 %	102.0 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elders*

Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (W)	Limit (W)	Delta (W)	Pass/Fail
927.57	23.2	30.0	-6.8	0.209	1	-0.791	Pass



15.247 (c) Conducted Band Edge Measurements and Out of Band Emissions

The antenna was disconnected and a fifty ohm load was installed. The signal was then directly coupled into a spectrum analyzer. The output signal from 902 to 928MHz was transmitted so that the fundamental frequency could be observed.

B/E	=	Band Edge
R/B	=	Restricted Band
ME R/B	=	Maximum Emission Restricted Band
Rdg	=	Conducted emission into 50 ohm load
RFS	=	Maximum radiated field strength from 15.209 data on fundamental
RFS-Rdg	=	Maximum field strength minus the delta between the peak conducted and the conducted spurious marker data

Formula = RFS-(Rdg-marker data)

Example

46.16dBuV/m = 81.8dBuV/m-(7.11dBm-(-28.53dBm))

D1	=	Display line at maximum conducted emission
D2	=	-20dB down point

Test Set Up: Same as 15.247 (a,2) 20 dB Emission Bandwidth

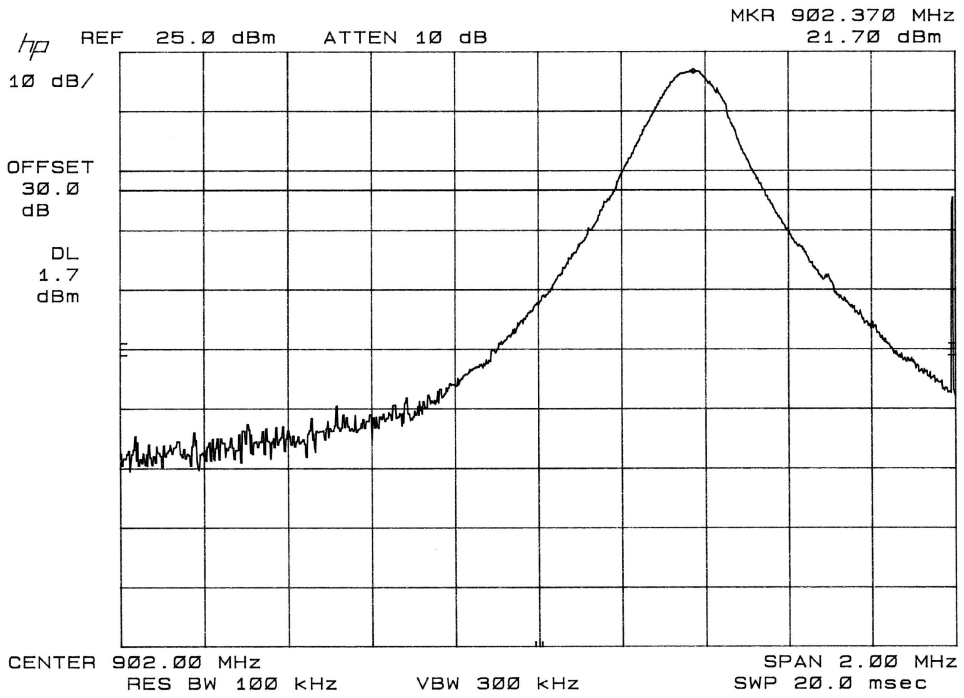
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Band Edge Measurements**

DNB Job Number:	58090	Date: 04 Mar 2005	**Conformance Standard**
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	FCC Part 15
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(c)

Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	57 %	102.0 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elders*

Band Edge		Limit (Center Freq)	Pass/Fail
Low Channel	Freq in MHz		
1	902.37	902.00	Pass



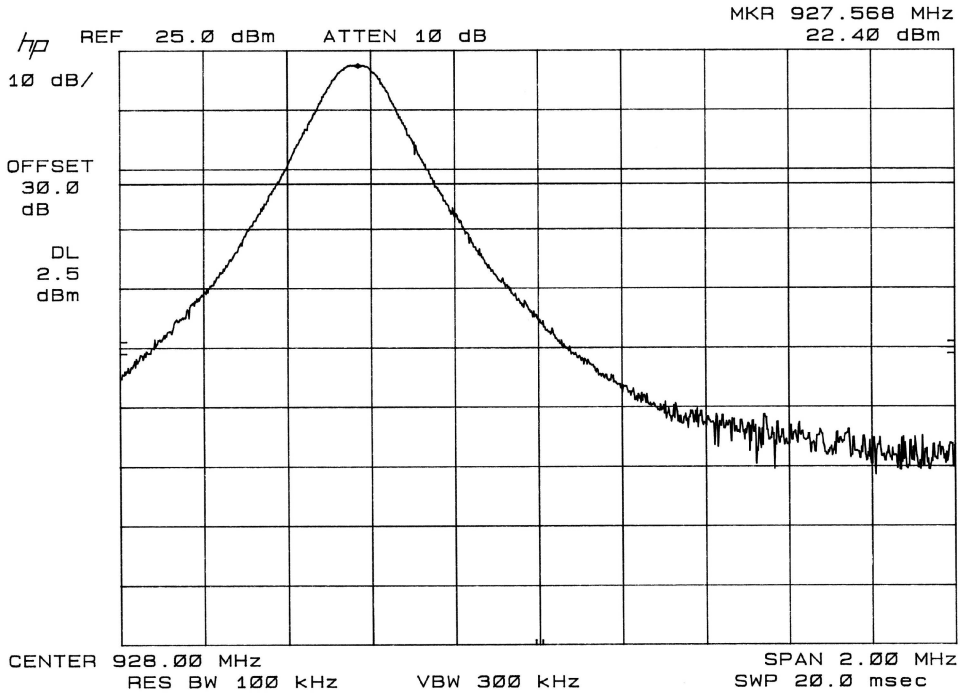
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Band Edge Measurements**

DNB Job Number:	58090	Date: 04 Mar 2005	**Conformance Standard**
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	FCC Part 15
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(c)

Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	57 %	102.0 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elders*

Band Edge		Limit (Center Frequency)	Pass/Fail
High Channel	Freq in MHz		
64	927.57	928.00	Pass



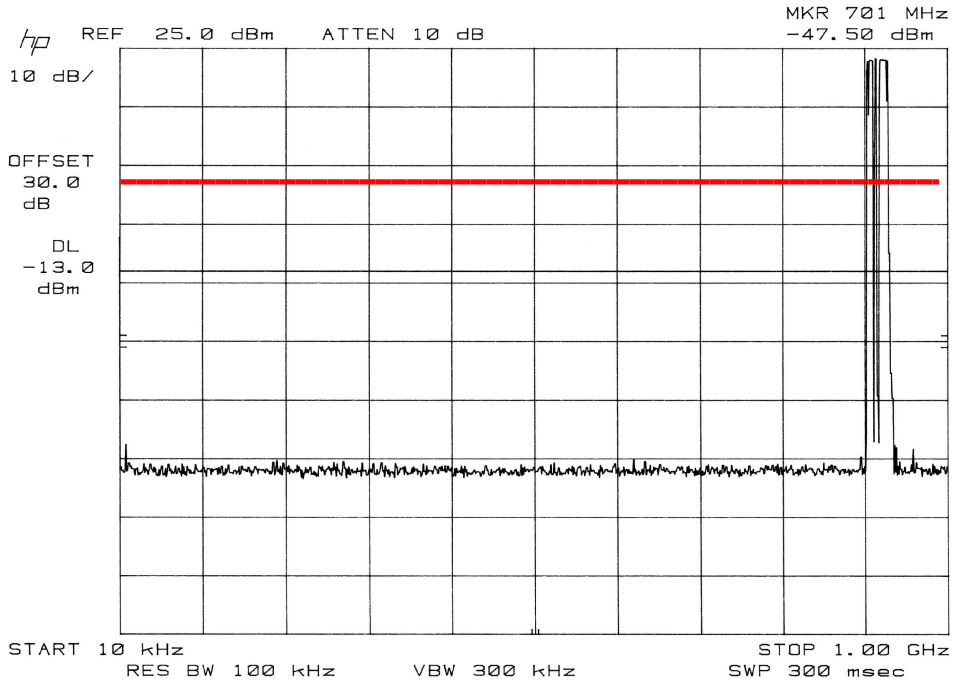
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Conducted Spurious**

DNB Job Number:	58090	Date: 16 Dec 2004	**Conformance Standard**
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	FCC Part 15
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(c)

Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	46 %	101.2 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elders*

Peak Output Power	Reading	-20dBc	Pass/Fall
23.2 dBm	23.2 dBm	3.2 dBm	Pass



5969 Robinson Avenue
Riverside, CA 92503
(951) 637-2630
FAX (951) 637-2704

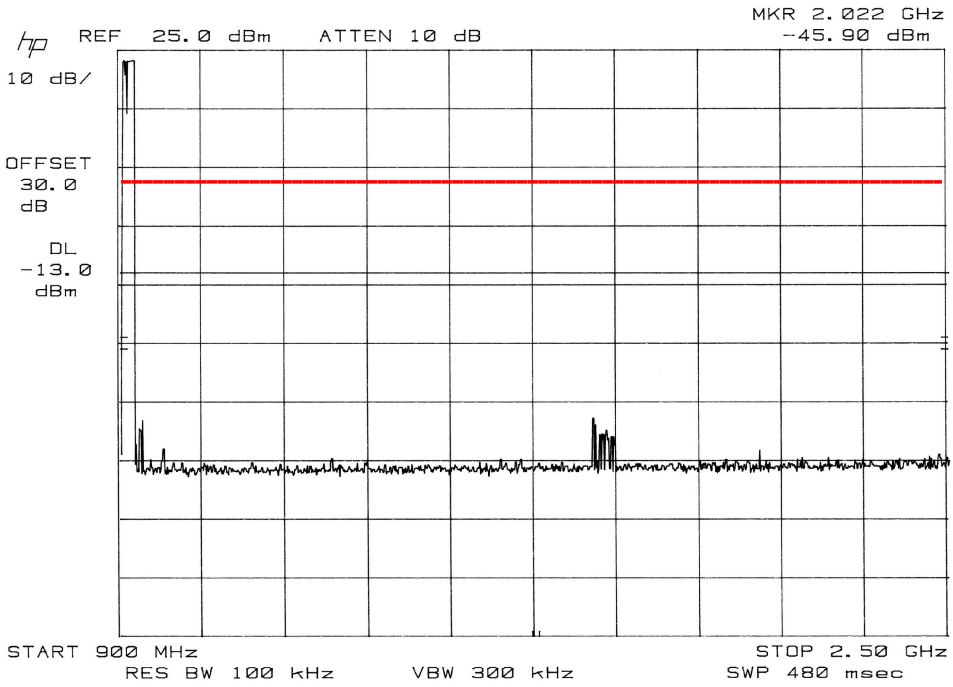
Conducted Spurious

DNB Job Number:	58090	Date: 16 Dec 2004	**Conformance Standard**
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	FCC Part 15
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(c)

Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	46 %	101.2 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elders*

Peak Output Power	Reading	-20dBc	Pass/Fall
23.2 dBm	23.2 dBm	3.2 dBm	Pass



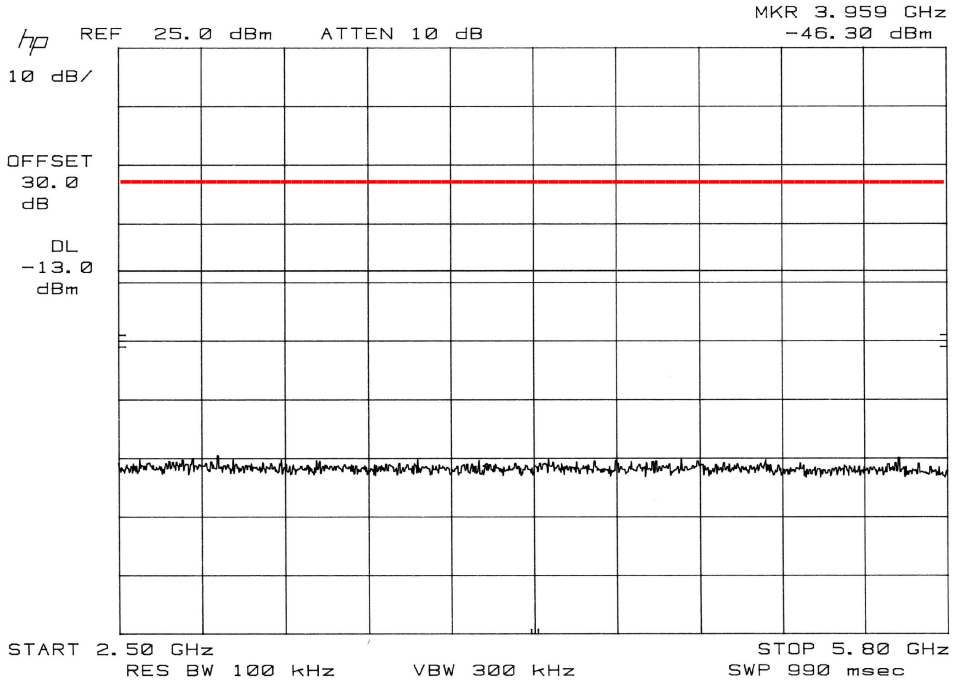
	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Conducted Spurious**

DNB Job Number:	58090	Date: 16 Dec 2004	**Conformance Standard**
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	FCC Part 15
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(c)

Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	46 %	101.2 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elders*

Peak Output Power	Reading	-20dBc	Pass/Fall
23.2 dBm	23.2 dBm	3.2 dBm	Pass

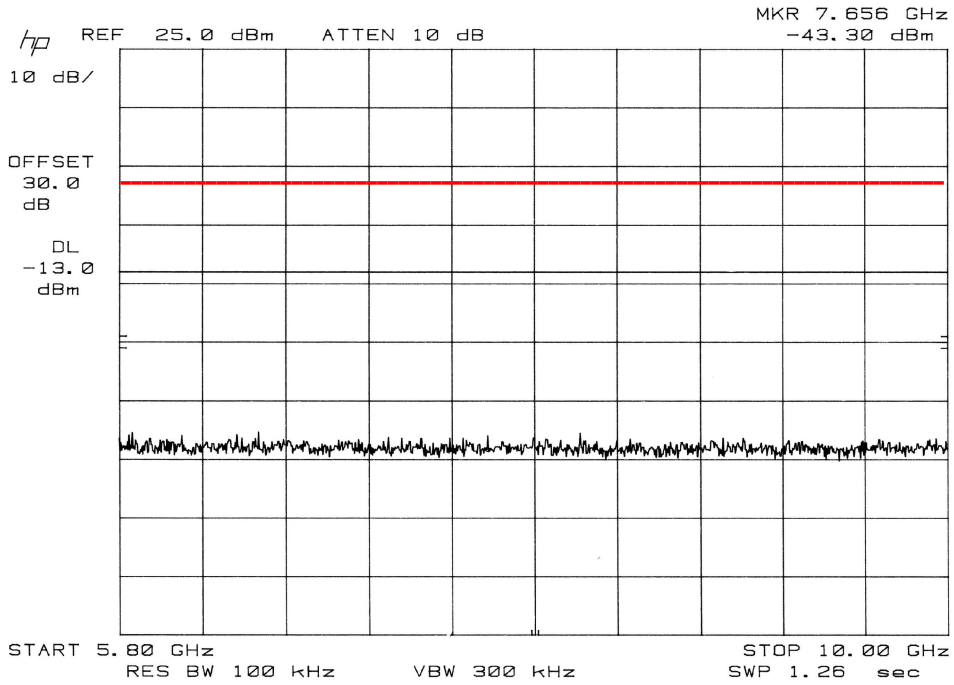


	5969 Robinson Avenue Riverside, CA 92503 (951) 637-2630 FAX (951) 637-2704	**Conducted Spurious**	
DNB Job Number:	58090	Date: 16 Dec 2004	**Conformance Standard** FCC Part 15
Customer:	ConectiSys Corp. Inc		
Model Number:	HNET 5.0-BS	Serial Number: Proto	
Description:	Wireless Power Usage Monitoring System		**Clause** 15.247(c)

Ambient Temperature	Relative Humidity	Barometric Pressure
23 °C	46 %	101.2 kPa

EUT performed within the requirements of the applicable standard [X] Yes [ ] No *Tom Elders*

Peak Output Power	Reading	-20dBc	Pass/Fall
23.2 dBm	23.2 dBm	3.2 dBm	Pass



2.1033 (b) (7) Equipment Photographs

Photo 1	Internal	RF Transmitter - Component Side
Photo 2	Internal	RF Transmitter - Solder Side
Photo 3	Internal	RF Transmitter - with shield mounted - view one
Photo 4	Internal	RF Transmitter - with shield mounted - view two
Photo 5	Internal	Controller board - component side
Photo 6	Internal	Controller board - circuit side
Photo 7	Internal	Label Placement - Inside door
Photo 8	Internal	Label Close Up
Photo 9	Internal	Unit with door open
Photo 10	Internal	Side 1
Photo 11	Internal	Side 2
Photo 12	Internal	Side 3
Photo 13	Internal	Side 4
Photo 14	External	Front
Photo 15	External	Rear
Photo 16	External	Angle

Photo 1 Internal RF Transmitter - Component Side

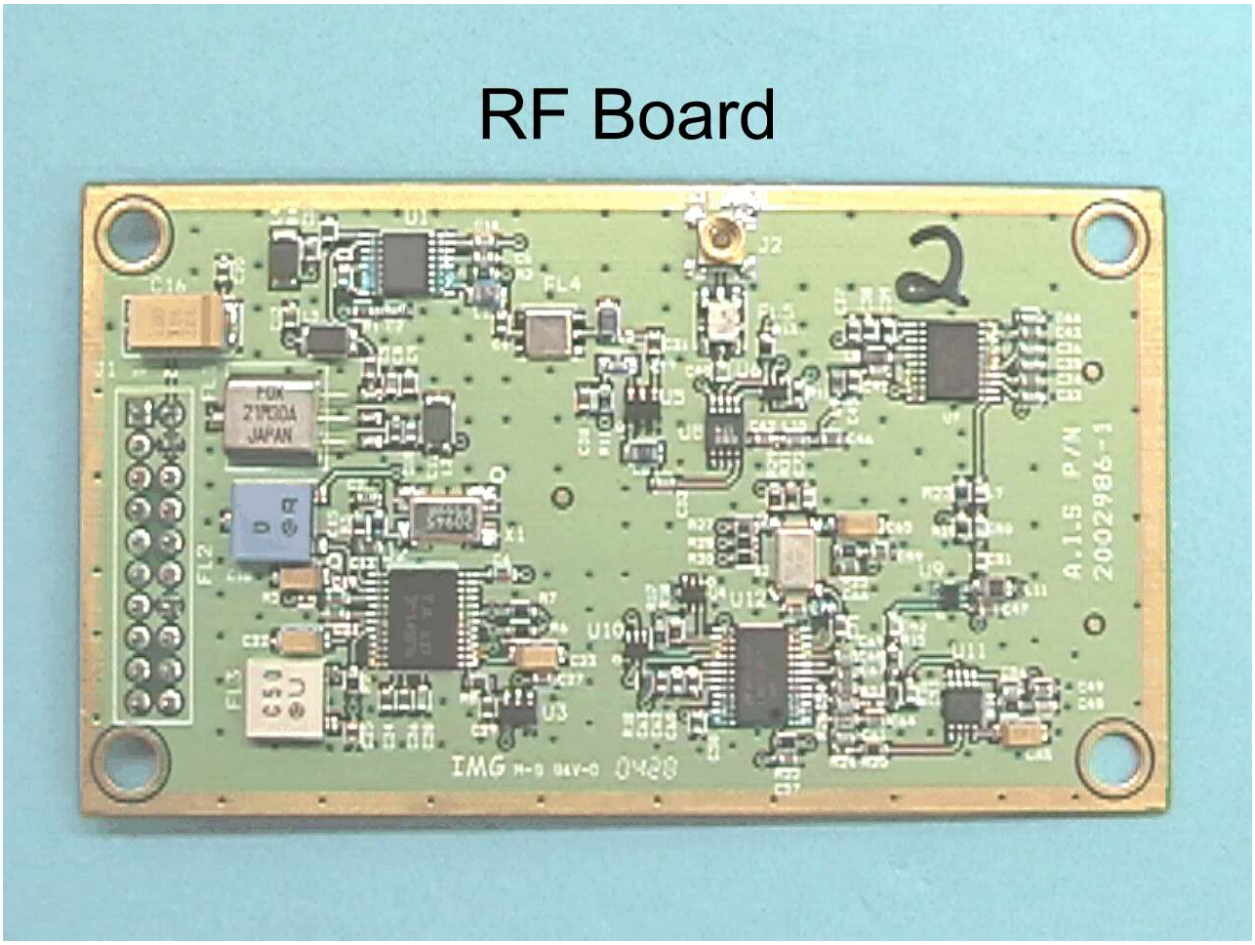


Photo 2 Internal RF Transmitter - Solder Side