



IP MOBILENET TEST REPORT
FOR THE
BASE STATION FOR MOBILE DATA SYSTEM, B64850D25
FCC PART 90 AND RSS-119
COMPLIANCE

DATE OF ISSUE: APRIL 26, 2007

PREPARED FOR:

IP MobileNet
16842 Von Karman Avenue, Ste. 200
Irvine, CA 92606

P.O. No.: 004844-00
W.O. No.: 85737

PREPARED BY:

Mary Ellen Clayton
CKC Laboratories, Inc.
5046 Sierra Pines Drive
Mariposa, CA 95338

Date of test: January 12 – March 29, 2007

Report No.: FC07-032

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ADMINISTRATIVE INFORMATION

DATE OF TEST: January 12 – March 29, 2007

DATE OF RECEIPT: January 12, 2007

FREQUENCY RANGE TESTED: 9 kHz-9 GHz

MANUFACTURER: IP MobileNet
16842 Von Karman Avenue, Ste. 200
Irvine, CA 92606

REPRESENTATIVE: Eric Tanner

TEST LOCATION: CKC Laboratories, Inc.
110 Olinda Place
Brea, CA 92823

TEST METHOD: FCC Part 90, RSS-GEN and RSS-119

PURPOSE OF TEST: To demonstrate the compliance of the Base Station for Mobile Data System, B64850D25 with the requirements for FCC Part 90 and RSS-119 devices.

APPROVALS:

Steve Behm, Director of Engineering Services

QUALITY ASSURANCE:

Joyce Walker, Quality Assurance Administrative Manager

TEST PERSONNEL:

Stuart Yamamoto, EMC Engineer



CONDITIONS FOR COMPLIANCE

No modifications to the EUT were necessary to comply.

EQUIPMENT UNDER TEST (EUT) DESCRIPTION

The customer declares the EUT tested by CKC Laboratories was representative of a production unit.

EQUIPMENT UNDER TEST

Base Station for Mobile Data System

Manuf: IP MobileNet
Model: B64850D25
Serial: 06339714 (0008CE0037D8)
FCC ID: pending

PERIPHERAL DEVICES

The EUT was tested with the following peripheral device(s):

PS/2 Mouse

Manuf: Microsoft Corporation
Model: X03-68761
Serial: NA

GPS Antenna

Manuf: San Jose Navigation, Inc.
Model: SM-25
Serial: 2569790

Laptop Computer

Manuf: Dell Corporation
Model: PP02L Inspiron I2500
Serial: 5TZ6611

DC Power Supply

Manuf: HP
Model: 6652A
Serial: 3235A00835

AC to DC Power Adapter

Manuf: Dell Corporation
Model: AA20031
Serial: CN-09364U-1629-1BT-0CX0

High Power Termination

Manuf: Pasternack
Model: PE7021-40
Serial: NA

TEMPERATURE AND HUMIDITY DURING TESTING

The temperature during testing was within +15°C and + 35°C.
The relative humidity was between 20% and 75%.

FCC 2.1033(c)(3) USER'S MANUAL

The necessary information is contained in a separate document.

FCC 2.1033 (c)(4) TYPE OF EMISSIONS

F1D

FCC 2.1033 (c)(5) FREQUENCY RANGE

851 MHz – 869 MHz

FCC 2.1033 (c)(6) OPERATING POWER

20 watts

FCC 2.1033 (c)(7) MAXIMUM POWER RATING

1 kilowatt at 304 m

FCC 2.1033 (c)(8) DC VOLTAGES

The necessary information is contained in a separate document.

FCC 2.1033 (c)(9) TUNE-UP PROCEDURE

The necessary information is contained in a separate document.

FCC 2.1033(c)(10) SCHEMATICS AND CIRCUITRY DESCRIPTION

The necessary information is contained in a separate document.

FCC 2.1033(c)(11) LABEL AND PLACEMENT

The necessary information is contained in a separate document.

FCC 2.1033(c)(12) SUBMITTAL PHOTOS

The necessary information is contained in a separate document.

FCC 2.1033 (c)(13) MODULATION INFORMATION

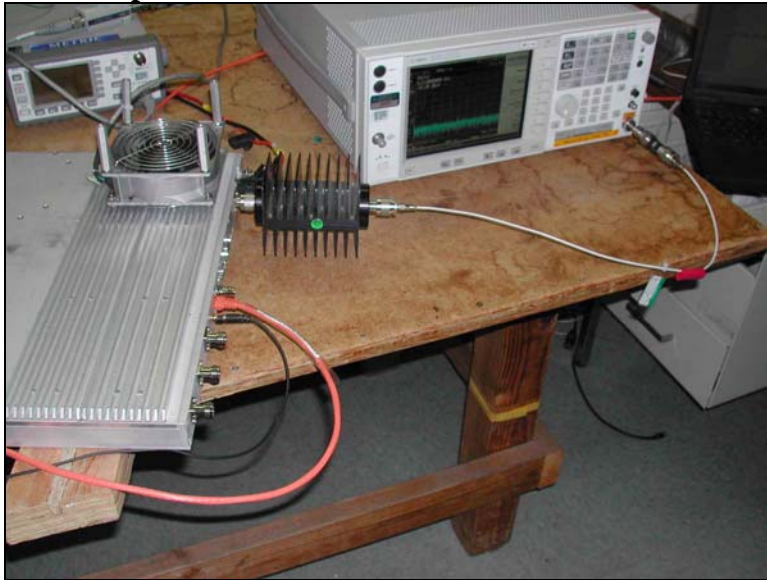
FSK

FCC 2.1033(c)(14)/2.1046/90.205(j) - RF POWER OUTPUT

Test Equipment

Equipment	Asset #	Manufacturer	Model #	Serial #	Cal Date	Cal Due
Spectrum Analyzer	02672	Agilent	E4446A	US44300438	010307	010309

Test Setup Photos



Test Conditions: The equipment under test (EUT) was connected to a laptop computer via an ethernet cable. The laptop computer was used to command the EUT to transmit and on what channel to transmit on. Also connected to the EUT was an external DC power supply set at 13.8Vdc. Connected to the EUT output was a high power RF attenuator, low power RF attenuator, a low loss RF coaxial cable, and a spectrum analyzer. The spectrum analyzer was used to measure the EUT RF Power Output. RF Power Output. SA RES BW=1MHz, SA VID BW=1MHz.

Test Data

Model Number: B64850D25
Date of test: January 12, 2007
Test performed by: S. Yamamoto

2.1046 / 90.205 RF Power Output

Frequency (MHz)	RF Power Output (Watts)
851.0	20.0
860.0	20.0
869.0	20.0

FCC 90.209 - 20dB BANDWIDTH - LOW CHANNEL 851 MHz

Test Equipment

Equipment	Asset #	Manufacturer	Model #	Serial #	Cal Date	Cal Due
Spectrum Analyzer RF Section	02462	HP	8568B	2928A04874	091406	091408
Spectrum Analyzer Display Section	02472	HP	85662A	3001A18430	091406	091408
QP Adapter	01437	HP	85650A	3303A01884	091406	091408

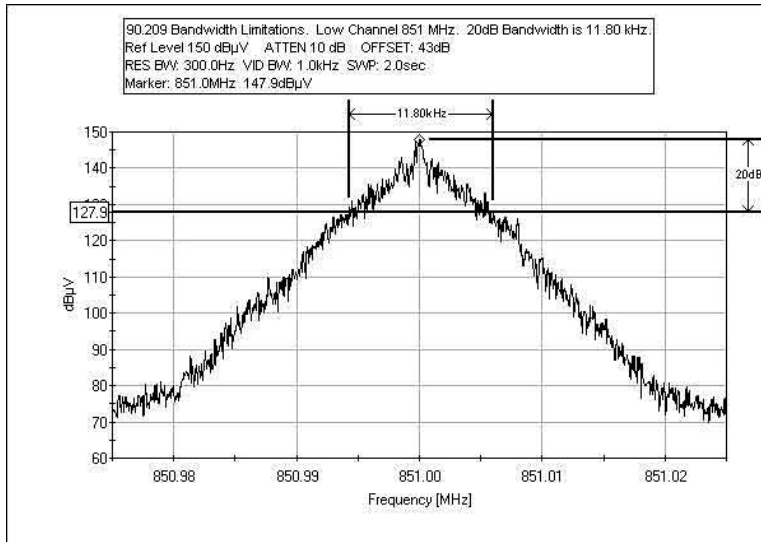
Test Setup Photos



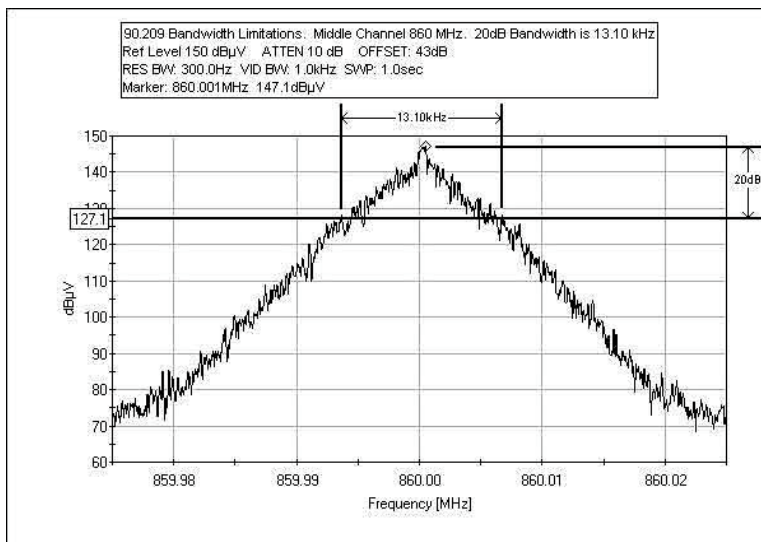
Test Conditions: The equipment under test (EUT) was connected to a laptop computer via an ethernet cable. The laptop computer was used to command the EUT to transmit and on what channel to transmit on. Also connected to the EUT was an external DC power supply set at 13.8Vdc. Connected to the EUT output was a high power RF attenuator, low power RF attenuator, and a low loss RF coaxial cable, and a spectrum analyzer. The spectrum analyzer was used to measure the EUT bandwidth limitations. Bandwidth Limitations. Bandwidth settings: SA RES BW=300Hz, SA VID BW=1000Hz.

Test Plots

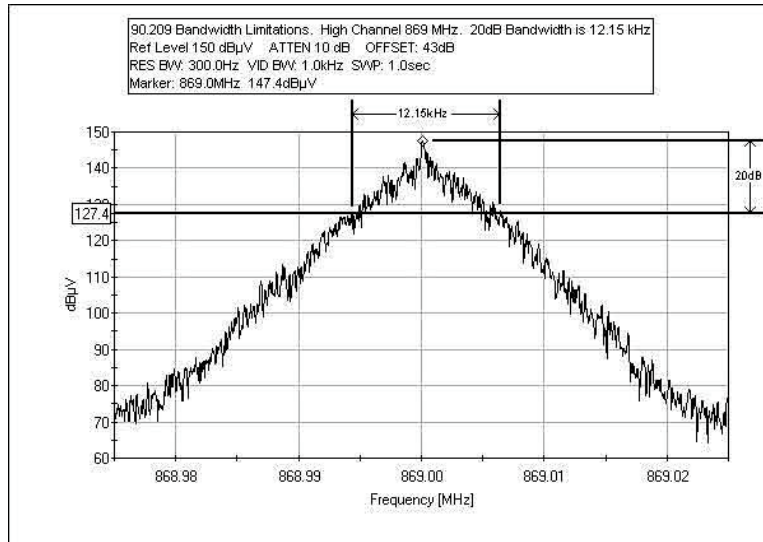
FCC 90.209 20dB BANDWIDTH - LOW CHANNEL 851 MHz



FCC 90.209 20dB BANDWIDTH - MIDDLE CHANNEL 860 MHz

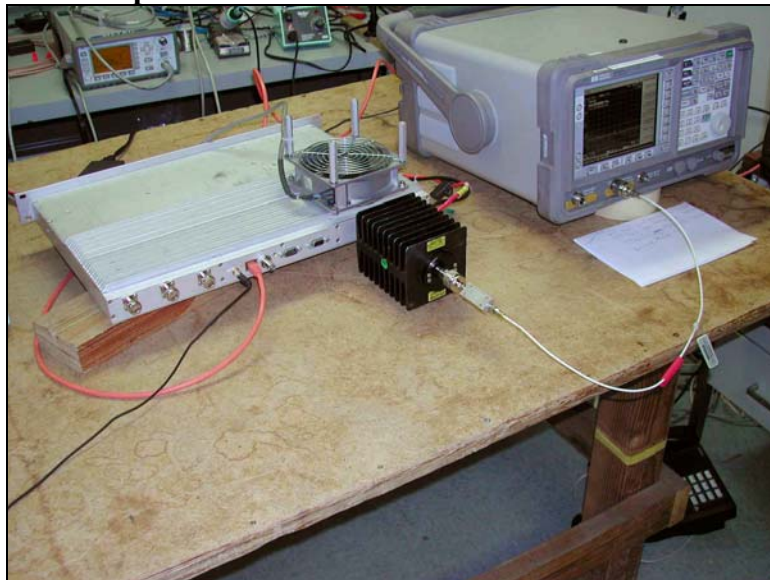


FCC 90.209 20dB BANDWIDTH - HIGH CHANNEL 869 MHz



FCC 2.1033(c)(14)/2.1051/90.210(g) - SPURIOUS EMISSIONS AT ANTENNA TERMINAL

Test Setup Photos



Test Data Sheets

Test Location: CKC Laboratories, Inc. • 110 N Olinda Place • Brea, CA 92823 • 714-993-6112

Customer:	IP MobileNet		
Specification:	FCC 90.210(g) Conducted Spurious Emission		
Work Order #:	85737	Date:	2/20/2007
Test Type:	Conducted Emissions	Time:	11:48:25
Equipment:	Base Station for Mobile Data System	Sequence#:	20
Manufacturer:	IP MobileNet	Tested By:	Stuart Yamamoto
Model:	B64850D25		13.8Vdc
S/N:	06339714 (0008CE0037D8)		

Test Equipment:

Function	S/N	Calibration Date	Cal Due Date	Asset #
1.5GHz High Pass Filter	3643A00027	06/27/2005	06/27/2007	02116
Preamplifier Cable	35591-48	01/17/2006	01/17/2008	P05455
Spectrum Analyzer	US40240225	03/15/2007	03/15/2009	02467

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Base Station for Mobile Data System*	IP MobileNet	B64850D25	06339714 (0008CE0037D8)

Support Devices:

Function	Manufacturer	Model #	S/N
PS/2 Mouse	Microsoft Corporation	X03-68761	
GPS Antenna	San Jose Navigation, Inc.	SM-25	2569790
Laptop Computer	Dell Corporation	PP02L Inspiron I2500	5TZ6611
DC Power Supply	HP	6652A	3235A00835
AC to DC Power Adapter	Dell Corporation	AA20031	CN-09364U-1629-1BT-0CX0
High Power Termination	Pasternack	PE7021-40	

Test Conditions / Notes:

The equipment under test (EUT) is a base station for mobile data system use operating in the frequency range of 851-869 MHz. The EUT is DC powered by a support power supply. A support laptop is used for configuration and testing purposes only. The tx port is connected to a high power termination then is fed to the input of a spectrum analyzer via a high frequency coaxial cable. This datasheet represents the EUT fundamental transmitting at 20.0 watts at 851MHz, 860MHz and 869MHz. Temperature: 22°C, Humidity: 43%, Pressure: 100kPa. Frequency range of test 9kHz to 9GHz. Spurious Emissions Antenna Terminal. Frequency Range 9kHz-150kHz SA RES BW=3000Hz, SA VID BW=3000Hz, QPA BW=200Hz; 150kHz-30MHz SA RES BW=100kHz, SA VID BW=100kHz, QPA BW=9kHz; 30MHz-1000MHz SA RES BW=1000kHz, SA VID BW=1000kHz, QPA BW=120kHz; 1000MHz-9000MHz SA RES BW=1MHz, SA VID BW=1MHz.

Transducer Legend:

T1=1-40 GHz Cable_011708	T2=HPF_AN02116_1.5GHz_062707
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Measurement Data: Reading listed by margin.

Test Lead: Tx

#	Freq MHz	Rdng dBμV	T1 dB	T2 dB	dB	dB	Dist Table	Corr dBμV	Spec dBμV	Margin dB	Polar Ant
1	5213.998M Ave	89.7	+1.0	+1.3			+0.0	92.0	94.0	-2.0	Tx
									High Channel. Fundamental harmonics.		
^	5213.998M	91.3	+1.0	+1.3			+0.0	93.6	94.0	-0.4	Tx
									High Channel. Fundamental harmonics.		
3	2607.000M	88.6	+0.7	+0.6			+0.0	89.9	94.0	-4.1	Tx
									High Channel. Fundamental harmonics.		
4	5160.002M Ave	87.3	+1.0	+1.2			+0.0	89.5	94.0	-4.5	Tx
									Middle Channel. Fundamental harmonics.		
^	5160.002M	89.6	+1.0	+1.2			+0.0	91.8	94.0	-2.2	Tx
									Middle Channel. Fundamental harmonics.		

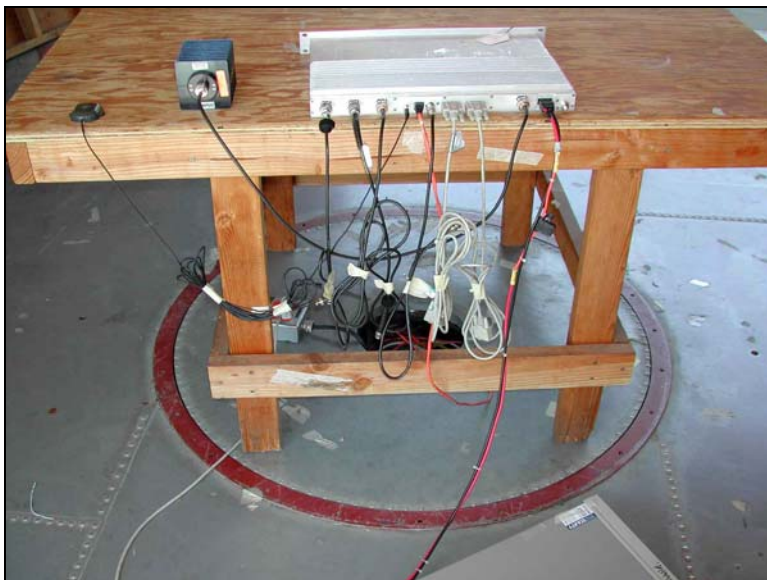
6	3476.000M	87.8	+0.8	+0.6	+0.0	89.2	94.0	-4.8	Tx
							High Channel. Fundamental harmonics.		
7	6951.998M	86.9	+1.1	+0.6	+0.0	88.6	94.0	-5.4	Tx
							High Channel. Fundamental harmonics.		
8	4344.998M Ave	85.2	+0.9	+0.7	+0.0	86.8	94.0	-7.2	Tx
							High Channel. Fundamental harmonics.		
^	4344.998M	88.6	+0.9	+0.7	+0.0	90.2	94.0	-3.8	Tx
							High Channel. Fundamental harmonics.		
10	3440.002M	84.9	+0.8	+0.6	+0.0	86.3	94.0	-7.7	Tx
							Middle Channel. Fundamental harmonics.		
11	3404.000M	84.1	+0.8	+0.6	+0.0	85.5	94.0	-8.5	Tx
							Low Channel. Fundamental harmonics.		
12	7820.998M	83.6	+1.2	+0.5	+0.0	85.3	94.0	-8.7	Tx
							High Channel. Fundamental harmonics.		
13	2580.008M	83.9	+0.7	+0.6	+0.0	85.2	94.0	-8.8	Tx
							Middle Channel. Fundamental harmonics.		
14	5106.000M	82.4	+1.0	+1.2	+0.0	84.6	94.0	-9.4	Tx
							Low Channel. Fundamental harmonics.		
15	2553.000M	82.2	+0.7	+0.6	+0.0	83.5	94.0	-10.5	Tx
							Low Channel. Fundamental harmonics.		
16	7659.000M	81.3	+1.2	+0.6	+0.0	83.1	94.0	-10.9	Tx
							Low Channel. Fundamental harmonics.		
17	4300.002M	81.2	+0.9	+0.7	+0.0	82.8	94.0	-11.2	Tx
							Middle Channel. Fundamental harmonics.		

18	6082.998M	80.8	+1.0	+0.7	+0.0	82.5	94.0	-11.5	Tx
							High Channel. Fundamental harmonics.		
19	6020.002M	80.8	+1.0	+0.7	+0.0	82.5	94.0	-11.5	Tx
							Middle Channel. Fundamental harmonics.		
20	8689.997M	80.5	+1.3	+0.5	+0.0	82.3	94.0	-11.7	Tx
							High Channel. Fundamental harmonics.		
21	1738.000M	80.5	+0.5	+0.6	+0.0	81.6	94.0	-12.4	Tx
							High Channel. Fundamental harmonics.		
22	4255.000M	79.4	+0.9	+0.7	+0.0	81.0	94.0	-13.0	Tx
							Low Channel. Fundamental harmonics.		
23	5957.000M	78.8	+1.0	+0.8	+0.0	80.6	94.0	-13.4	Tx
							Low Channel. Fundamental harmonics.		
24	1720.007M	79.2	+0.5	+0.6	+0.0	80.3	94.0	-13.7	Tx
							Middle Channel. Fundamental harmonics.		
25	1702.000M	79.2	+0.5	+0.6	+0.0	80.3	94.0	-13.7	Tx
							Low Channel. Fundamental harmonics.		
26	8600.003M	77.4	+1.3	+0.5	+0.0	79.2	94.0	-14.8	Tx
							Middle Channel. Fundamental harmonics.		
27	7740.002M	77.4	+1.2	+0.5	+0.0	79.1	94.0	-14.9	Tx
							Middle Channel. Fundamental harmonics.		
28	6880.002M	77.1	+1.1	+0.7	+0.0	78.9	94.0	-15.1	Tx
							Middle Channel. Fundamental harmonics.		

29	6808.000M	75.5	+1.1	+0.8	+0.0	77.4	94.0	-16.6	Tx
							Low Channel. Fundamental harmonics.		
30	8510.000M	74.8	+1.3	+0.5	+0.0	76.6	94.0	-17.4	Tx
							Low Channel. Fundamental harmonics.		

FCC 2.1033(c)(14)/2.1053/90.210 - FIELD STRENGTH OF SPURIOUS RADIATION

Test Setup Photos



Test Data Sheets

Test Location: CKC Laboratories, Inc. • 110 N Olinda Place • Brea, CA 92823 • 714-993-6112

Customer: **IP MobileNet**
 Specification: **FCC 90.210 Radiated Spurious Emissions**
 Work Order #: **85737** Date: 3/29/2007
 Test Type: **Maximized Emissions** Time: 13:13:50
 Equipment: **Base Station for Mobile Data System** Sequence#: 22
 Manufacturer: IP MobileNet Tested By: Stuart Yamamoto
 Model: B64850D25
 S/N: 06339714 (0008CE0037D8)

Test Equipment:

Function	S/N	Calibration Date	Cal Due Date	Asset #
1.5GHz High Pass Filter	3643A00027	06/27/2005	06/27/2007	02116
Horn Antenna	9603-4683	06/29/2006	06/29/2008	01646
Microwave Preamplifier	3123A00282	05/27/2005	05/27/2007	00787
Preamplifier Cable	35591-48	01/17/2006	01/17/2008	P05455
Antenna Cable	L1-PNMNM-48	09/18/2006	09/18/2008	P05563
10m Position Cable	Cable #17	09/19/2006	09/19/2008	P04382
Quasi Peak Adapter	3303A01884	09/14/2006	09/14/2008	01437
Spectrum Analyzer Display Section	3001A18430	09/14/2006	09/14/2008	02472
Spectrum Analyzer RF Section	2928A04874	09/14/2006	09/14/2008	02462
Loop Antenna	2014	06/14/2006	06/14/2008	00314
Preamplifier	2727A05392	06/06/2006	06/06/2008	00010
Preamplifier Cable	Cable #22	08/10/2006	08/10/2008	P05555
Antenna Cable	Cable #33	04/01/2005	04/01/2007	P05569
Bilog Antenna	2629	02/02/2006	02/02/2008	00851
Spectrum Analyzer	US44300438	01/03/2007	01/03/2009	02672

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Base Station for Mobile Data System*	IP MobileNet	B64850D25	06339714 (0008CE0037D8)

Support Devices:

Function	Manufacturer	Model #	S/N
PS/2 Mouse	Microsoft Corporation	X03-68761	
GPS Antenna	San Jose Navigation, Inc.	SM-25	2569790
Laptop Computer	Dell Corporation	PP02L Inspiron I2500	5TZ6611
DC Power Supply	HP	6652A	3235A00835
AC to DC Power Adapter	Dell Corporation	AA20031	CN-09364U-1629-1BT-0CX0
High Power Termination	Pasternack	PE7021-40	

Test Conditions / Notes:

The equipment under test (EUT) is a base station for mobile data system use operating in the frequency range of 851-869 MHz. The EUT is DC powered by a support power supply. A remotely located support laptop is used for configuration and testing purposes only. The tx port is connected to a high power termination. This datasheet represents the EUT transmitting at 20.0 watts at the low (851MHz), middle (860MHz), and high (869MHz) channels. Frequency range scanned and maximized, 9kHz to 9GHz. Temperature: 21°C, Humidity: 35%, Pressure: 100kPa. Spurious Emissions OATS. Frequency Range 9kHz-150kHz SA RES BW=3000Hz, SA VID BW=3000Hz, QPA BW=200Hz; 150kHz-30MHz SA RES BW=100kHz, SA VID BW=100kHz, QPA BW=9kHz; 30MHz-1000MHz SA RES BW=1000kHz, SA VID BW=1000kHz, QPA BW=120kHz; 1000MHz-10000MHz SA RES BW=1MHz, SA VID BW=1MHz.

Operating Frequency: 851 MHz - 869 MHz
Channels: Low, Mid and High
Highest Measured Output Power: 43.01 ERP(dBm)= 20 ERP(Watts)
Distance: 3 meters
Limit: $43+10\log(P)$ 56.01 dBc

Freq. (MHz)	Reference Level (dBm)	Antenna Polarity (H/V)	dBc
5,214.00	-17.9	Vert	60.91
5,160.00	-20	Vert	63.01
5,214.00	-23.6	Horiz	66.61
4,345.00	-25.7	Vert	68.71
5,160.00	-26.4	Horiz	69.41
5,106.00	-26.7	Vert	69.71
4,300.00	-27.6	Vert	70.61
4,300.00	-28.4	Horiz	71.41
4,345.00	-28.9	Horiz	71.91
4,255.00	-32	Horiz	75.01
4,255.00	-32.6	Vert	75.61
1,702.00	-32.7	Vert	75.71
1,738.00	-33.2	Vert	76.21
1,702.00	-33.7	Vert	76.71
3,476.00	-33.7	Vert	76.71
1,702.00	-34.1	Vert	77.11
1,720.00	-34.6	Vert	77.61
1,720.00	-34.7	Vert	77.71
5,106.00	-35.1	Horiz	78.11
2,607.00	-37.7	Vert	80.71
2,553.00	-38.4	Vert	81.41
7,821.00	-38.9	Vert	81.91
3,404.00	-39.8	Vert	82.81
5,957.00	-40.5	Vert	83.51
1,738.00	-44.3	Vert	87.31

FCC 90.210 - EMISSIONS MASK

Test Equipment

Equipment	Asset #	Manufacturer	Model #	Serial #	Cal Date	Cal Due
Spectrum Analyzer RF Section	02462	HP	8568B	2928A04874	091406	091408
Spectrum Analyzer Display Section	02472	HP	85662A	3001A18430	091406	091408
QP Adapter	01437	HP	85650A	3303A01884	091406	091408

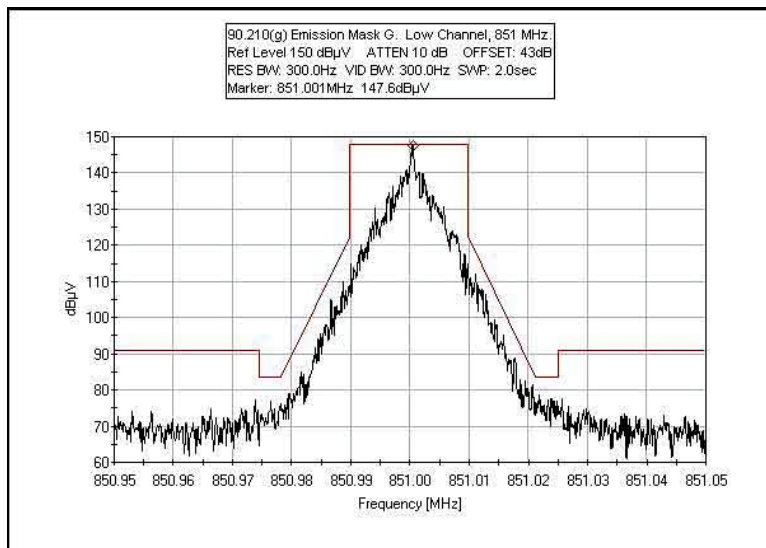
Test Setup Photos



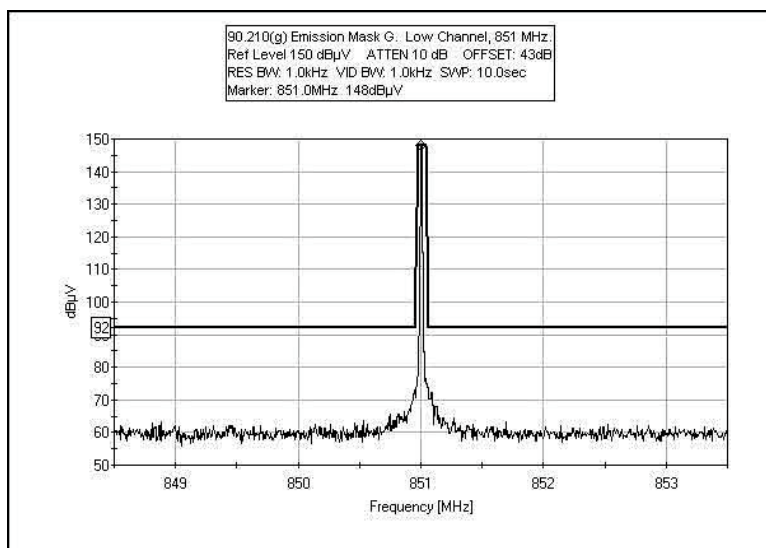
Test Conditions: The equipment under test (EUT) was connected to a laptop computer via an ethernet cable. The laptop computer was used to command the EUT to transmit and on what channel to transmit on. Also connected to the EUT was an external DC power supply set at 13.8Vdc. Connected to the EUT output was a high power RF attenuator, low power RF attenuator, and a low loss RF coaxial cable, and a spectrum analyzer. The spectrum analyzer was used to measure the EUT occupied bandwidth/emission mask. Bandwidth settings: SA RES BW=300Hz, SA VID BW=300Hz for small span plot. SA RES BW=1kHz, SA VID BW=1kHz for large span plot.

Test Plots

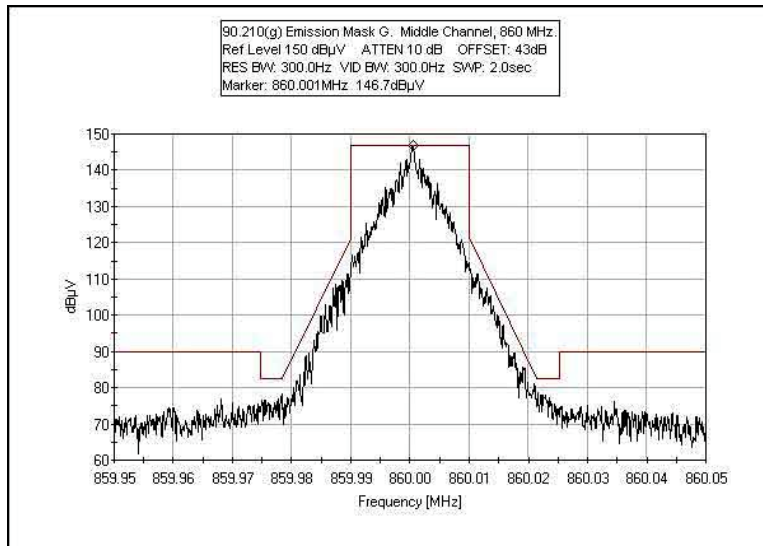
FCC 90.210(g) EMISSIONS MASK - LOW CHANNEL NARROW 851 MHz



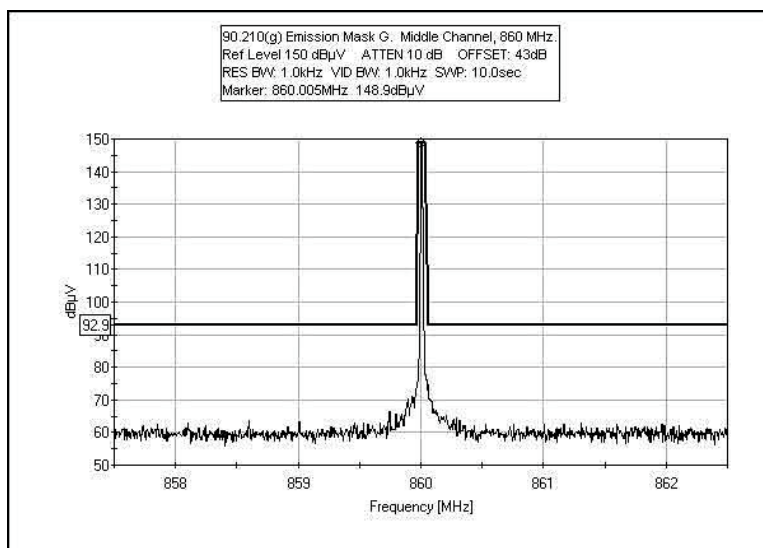
FCC 90.210(g) EMISSIONS MASK - LOW CHANNEL WIDE 851 MHz



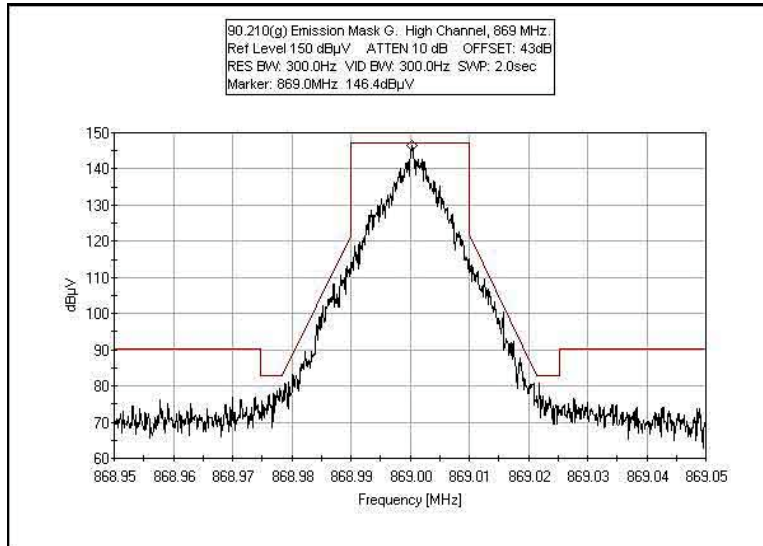
FCC 90.210(g) EMISSIONS MASK - MIDDLE CHANNEL NARROW 860 MHz



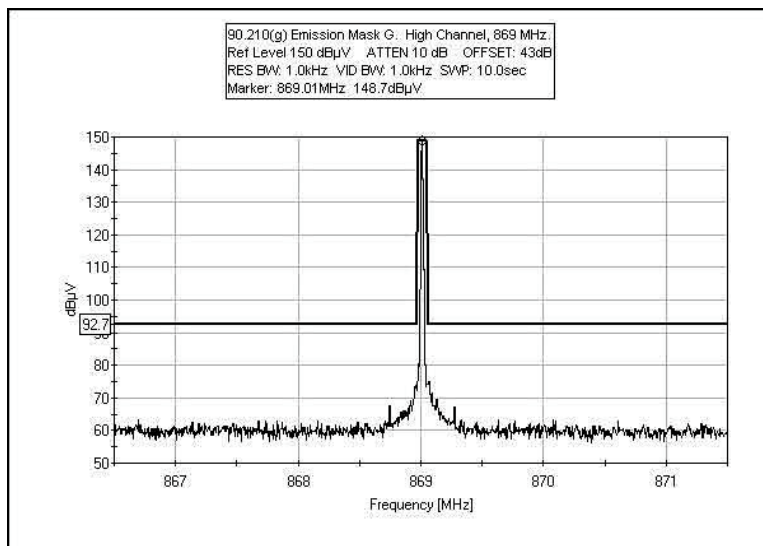
FCC 90.210(g) EMISSIONS MASK - MIDDLE CHANNEL WIDE 860 MHz



FCC 90.210(g) EMISSIONS MASK - HIGH CHANNEL NARROW 869 MHz



FCC 90.210(g) EMISSIONS MASK - HIGH CHANNEL WIDE 869 MHz



FCC 2.1033(c)(14)/2.1055/90.213(a)- FREQUENCY STABILITY

Test Equipment

Equipment	Asset #	Manufacturer	Model #	Serial #	Cal Date	Cal Due
Spectrum Analyzer RF Section	02462	HP	8568B	2928A04874	091406	091408
Spectrum Analyzer Display Section	02472	HP	85662A	3001A18430	091406	091408
QP Adapter	01437	HP	85650A	3303A01884	091406	091408
Temperature Chamber	01878	Thermotron	S1.2 Mini Max	(none)	060106	060108

Test Setup Photos



Test Conditions: The equipment under test (EUT) was connected to a laptop computer via an ethernet cable. The laptop computer was used to command the EUT to transmit and on what channel to transmit on. Also connected to the EUT was an external DC power supply. Connected to the EUT output was a high power RF attenuator, low power RF attenuator, and a low loss RF coaxial cable, and a spectrum analyzer. The spectrum analyzer was used to measure the EUT frequency stability. Bandwidth settings: SA RES BW=1kHz, SA VID BW=10Hz.

Test Data

Customer: IP MobileNet
WO#: 85737
Date: 21-Feb-07
Test Engineer: S. Yamamoto

Device Model #: B64850D25
Operating Voltage: 13.8 Vdc

Freq Stability Limit: 1 ppm 1.5 ppm 1.5 ppm

Temperature Variations

Channel Frequency:		Channel 1 (MHz)	Dev (ppm)	Channel 2 (MHz)	Dev (ppm)	Channel 3 (MHz)	Dev (ppm)
		851.000000000		860.000000000		869.000000	
Temp (C)	Voltage						
-30	13.8	851.000829	0.974147	860.000827	0.961627	869.000839	0.965477
-20	13.8	851.000712	0.836662	860.000711	0.826744	869.000716	0.823935
-10	13.8	851.000629	0.739130	860.000606	0.704651	869.000604	0.695051
0	13.8	851.000429	0.504113	860.000440	0.511628	869.000419	0.482163
10	13.8	850.999905	-0.111633	859.999975	-0.029070	868.999954	-0.052934
20	13.8	851.000049	0.057579	860.000035	0.040698	869.000020	0.023015
30	13.8	851.000347	0.407755	860.000350	0.406977	869.000331	0.380897
40	13.8	851.000413	0.485311	860.000415	0.482558	869.000361	0.415420
50	13.8	851.000734	0.862514	860.000757	0.880232	869.000759	0.873417

Voltage Variations (±15%)

Temp (C)	Voltage	Channel 1 (MHz)	Dev. (ppm)	Channel 2 (MHz)	Dev. (ppm)	Channel 3 (MHz)	Dev. (ppm)
20	11.7	851.000045	0.052879	860.000033	0.038372	869.000025	0.028769
20	13.8	851.000049	0.057579	860.000035	0.040698	869.000020	0.023015
20	15.9	851.000055	0.064630	860.000033	0.038372	869.000022	0.025316

Max Deviation (ppm)	+	0.97415
Max Deviation (ppm)	-	0.11163
PASS		

	+	0.96163
	-	0.02907
PASS		

	+	0.96548
	-	0.05293
PASS		

RSS-119 - 99% BANDWIDTH

Test Equipment

Equipment	Asset #	Manufacturer	Model #	Serial #	Cal Date	Cal Due
Spectrum Analyzer RF Section	02462	HP	8568B	2928A04874	091406	091408
Spectrum Analyzer Display Section	02472	HP	85662A	3001A18430	091406	091408
QP Adapter	01437	HP	85650A	3303A01884	091406	091408

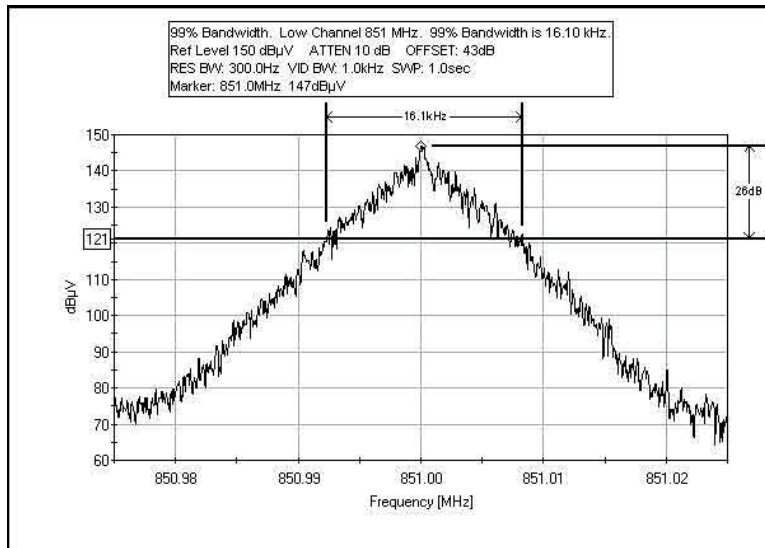
Test Setup Photos



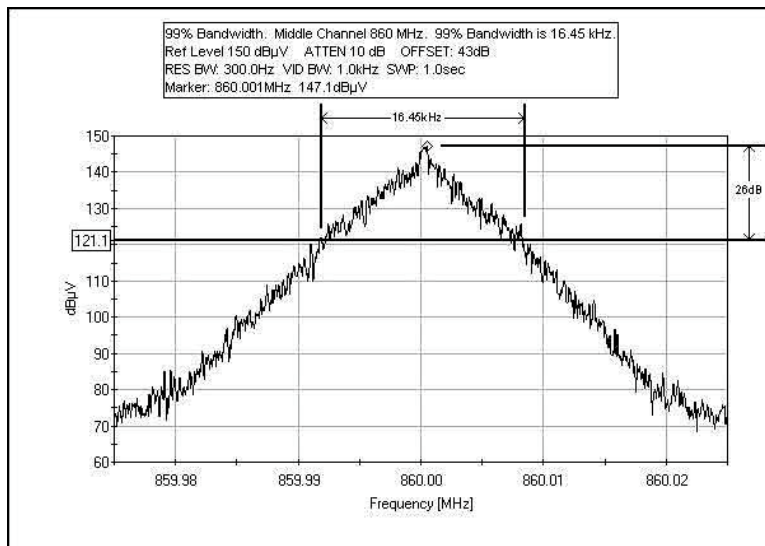
Test Conditions: The equipment under test (EUT) was connected to a laptop computer via an ethernet cable. The laptop computer was used to command the EUT to transmit and on what channel to transmit on. Also connected to the EUT was an external DC power supply set at 13.8Vdc. Connected to the EUT output was a high power RF attenuator, low power RF attenuator, and a low loss RF coaxial cable, and a spectrum analyzer. The spectrum analyzer was used to measure the EUT bandwidth limitations. Bandwidth Settings: SA RES BW=300Hz, SA VID BW=1000Hz.

Test Plots

RSS-119 - 99% BANDWIDTH - LOW CHANNEL 851 MHz



RSS-119 - 99% BANDWIDTH - MIDDLE CHANNEL 860 MHz



RSS-119 - 99% BANDWIDTH - HIGH CHANNEL 869 MHz

