



ANYDATA.NET INCORPORATED TEST REPORT

FOR THE

CDMA DEVELOPMENT KIT, DTS-800 CDK

**FCC PART 22 SUBPART H &
FCC PART 15 SUBPART B SECTIONS 15.107 & 15.109 CLASS B**

COMPLIANCE

DATE OF ISSUE: DECEMBER 27, 2001

PREPARED FOR:

AnyDATA.NET, Incorporated
Hanvit Bank Bldg. 7th Fl., 1-12, Byulyang-dong
Kwachon City, Kyunggi-do, Korea, 427-040

P.O. No.: UCT-5374
W.O. No.: 77559

PREPARED BY:

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CKC Laboratories, Inc.
5473A Clouds Rest
Mariposa, CA 95338

Date of test: October 8 – December 21, 2001

Report No.: FC01-075

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CKC Laboratories, Inc. has received Certificates of Accreditation from the following agencies:

A2LA (USA); DATech (Germany); BSMI (Taiwan); Nemko (Norway); and GOST (Russia).

CKC Laboratories, Inc has received test site Registration Acceptance from the following agencies:

FCC (USA); VCCI (Japan); and Industry Canada.

CKC Laboratories, Inc. has received Letters of Acceptance through an MRA for the following agencies:

ACA/NATA (Australia); SABS (South Africa); SWEDAC (Sweden); Radio Communications Agency (RA); HOKLAS (Hong Kong); Bakom (Swiss); BIPT (Belgium); Denmark Teletyrelsen; RvA (Netherlands); SEE (Luxembourg) SITTEL (Bolivia); and UKAS (UK).

ADMINISTRATIVE INFORMATION

DATE OF TEST:	October 8 – December 21, 2001
DATE OF RECEIPT:	October 8, 2001
PURPOSE OF TEST:	To demonstrate the compliance of the CDMA Development Kit, DTS-800 CDK with the requirements for FCC Part 22 Subpart H & FCC Part 15 Subpart B Sections 15.107 & 15.109 Class B.
TEST METHOD:	47 CFR FCC Parts 2, 22H, IS 137, TIA/EIA 603 and ANSI C63.4 (1992)
MANUFACTURER:	AnyDATA.NET, Incorporated Hanvit Bank Bldg. 7th Fl., 1-12, Byulyang-dong Kwachon City, Kyunggi-do, Korea, 427-040
REPRESENTATIVE:	John Kim
TEST LOCATION:	CKC Laboratories, Inc. 5473A Clouds Rest Mariposa, CA 95338

SUMMARY OF RESULTS

As received, the AnyDATA.NET, Incorporated CDMA Development Kit, DTS-800 CDK was found to be fully compliant with the following standards and specifications:

United States

- FCC Part 22 Subpart H
- FCC Part 15 Subpart B Sections 15.107 & 15.109 Class B.
- ANSI C63.4 (1992) method

The results in this report apply only to the items tested, as identified herein.

MODIFICATIONS REQUIRED FOR COMPLIANCE

No modifications were necessary for compliance.

APPROVALS

QUALITY ASSURANCE:

A handwritten signature in black ink that reads "Dennis Ward".

Dennis Ward, Quality Manager

TEST PERSONNEL:

A handwritten signature in black ink that reads "Randy Clark".

Randy Clark, EMC Engineer

EQUIPMENT UNDER TEST (EUT) DESCRIPTION

The EUT tested by CKC Laboratories was a production unit.

CDM RF Modem

EQUIPMENT UNDER TEST

CDMA Development Kit

Manuf: AnyDATA.NET, Incorporated
Model: DTS-800 CDK
Serial: 10052001-01
FCC ID: P4MDTS-800 CDK (pending)

PERIPHERAL DEVICES

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

Mouse

Manuf: Microsoft
Model: Serial Mouse 2.0
Serial: 03763521
FCC ID: C3KAZB1

Power Supply

Manuf: Samsung
Model: AD-6019
Serial: NA
FCC ID: DoC

Computer

Manuf: Samsung
Model: SENS 680
Serial: 558791ANB00124
FCC ID: None

Power Supply

Manuf: (markings not legible)
Model: (markings not legible)
Serial: 2000.12.7C2
FCC ID: DOC

DTSS

Manuf: AnyDATA
Model: V.04
Serial: NA
FCC ID: DoC

TEMPERATURE AND HUMIDITY DURING TESTING

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

FREQUENCY RANGE TESTED

Clock frequencies were from a low of 19.68 MHz to a high of 849.93 MHz (high channel 831 – fundamental). Frequency range tested was 1 MHz to 10 GHz for radiated emissions and 450 kHz – 30 MHz for conducted emissions.

2.1033(c)(3) USER'S MANUAL

The necessary information is contained in a separate document.

2.1033(c)(4) TYPE OF EMISSIONS

The emissions designator is 1M25F9W.

2.1033(c)(5) FREQUENCY RANGE

824.04 – 848.96 MHz in Transmitting mode. The low channel is 991, the middle channel is 416, the high channel is 799 and channels 800-990 are blocked from use by software in order to not allow access by the end user.

2.1033(c)(6) OPERATING POWER

Operating power is variable. Maximum power is 0.378 Watts.

2.1033(c)(7) MAXIMUM POWER RATING

The maximum ERP as defined by FCC Part 22.913(a) for mobile transmitters is 7 watts.

2.1033(c)(8) DC VOLTAGES

DC 6V $\pm$ 10%. Stand by mode: Idle (140mA), busy mode: 900A (max).

2.1033(c)(9) TUNE-UP PROCEDURE

The necessary information is contained in a separate document.

2.1033(c)(10) SCHEMATICS AND CIRCUITRY DESCRIPTION

The necessary information is contained in a separate document.

2.1033(c)(11) LABEL AND PLACEMENT

The necessary information is contained in a separate document.

2.1033(c)(12) SUBMITTAL PHOTOS

The necessary information is contained in a separate document.

2.1033(c)(13) MODULATION INFORMATION

Direct sequence spread spectrum code division multiple access.

2.1033(c)(14)/2.1046/22.913 - RF POWER OUTPUT

Maximum ERP is 7 Watts (22.913 Mobile Transmitters)

Radiated Measurements

Channel	Receive Antenna Polarity	Channel Frequency (MHz)	ERP (Watts)
Low	H	824.04	0.217
Middle	H	837.48	0.212
High	H	848.96	0.173
Low	V	824.04	0.378
Middle	V	837.48	0.337
High	V	848.96	0.244

ERP Measured using antenna substitution method.

Antenna Conducted Measurements

Channel	Channel Frequency (MHz)	RF Output Power (dBm)	RF Output Power (Watts)
Low	824.04	24.9	0.309
Middle	837.48	24.9	0.307
High	848.96	24.8	0.305

RF Power Output Measured using an RF power meter.

Power Calculations:

$$\text{Power} = (E \cdot D)^2 / 30 G$$

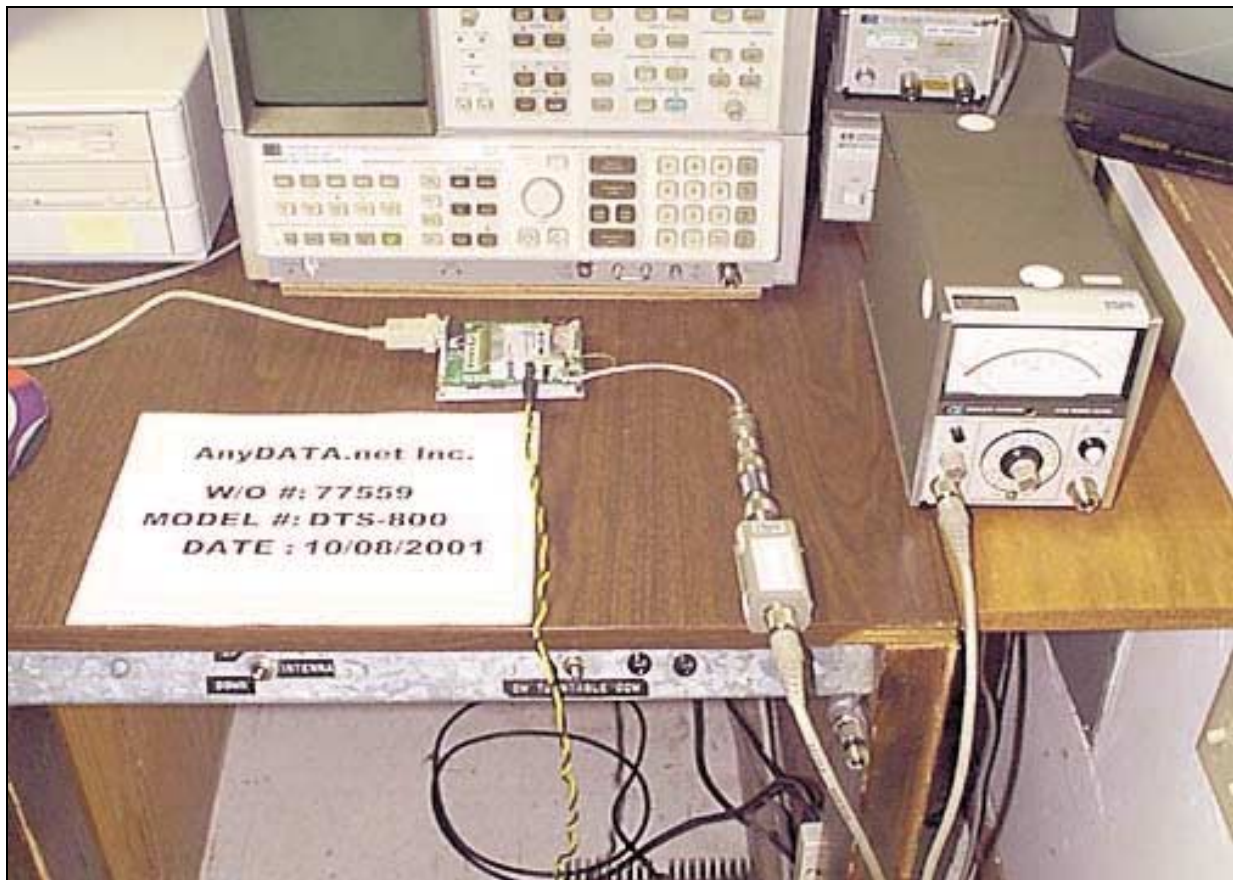
E = Field Strength in V/m using Antenna Substitution Method

D = Distance in meters

G = Gain of half-wave tunable dipole antenna

Power Output Test Equipment:

Equipment	Manufacturer	Model #	Serial #	Asset #	Cal Date	Cal Due
3/10 meter Cable	Andrews	Hardline	N/A	N/A	02/27/2001	2/27/02
Antenna, Bicon	A&H	SAS-200/542	156	00225	12/8/00	12/8/01
Antenna, Dipole	CKC	TYPE I-IV	0001 Set 1	01012	10/16/2000	10/16/01
Antenna, Log	A&H	SAS-200/510	154	01330	05/07/01	5/7/02
Generator, Signal	HP	8656A	2245A04338	00045	9/5/01	9/5/02
Power Supply, DC	HP	6205C	2228A01775	00762	5/31/2001	5/31/02
Preamplifier	HP	8447D	1937A02604	00099	03/29/01	3/29/02
QP Adapter	HP	85650A	2811A01267	00478	11/03/00	11/3/01
S/A Display	HP	8566B	2403A08241	00489	11/3/00	11/3/01
Spectrum Analyzer	HP	8566B	2209A01404	00490	11/3/00	11/3/01



Power Output Test Setup

2.1033(c)(14)/2.1047(a)/22.915(a) - MODULATION CHARACTERISTICS - AUDIO FREQUENCY RESPONSE

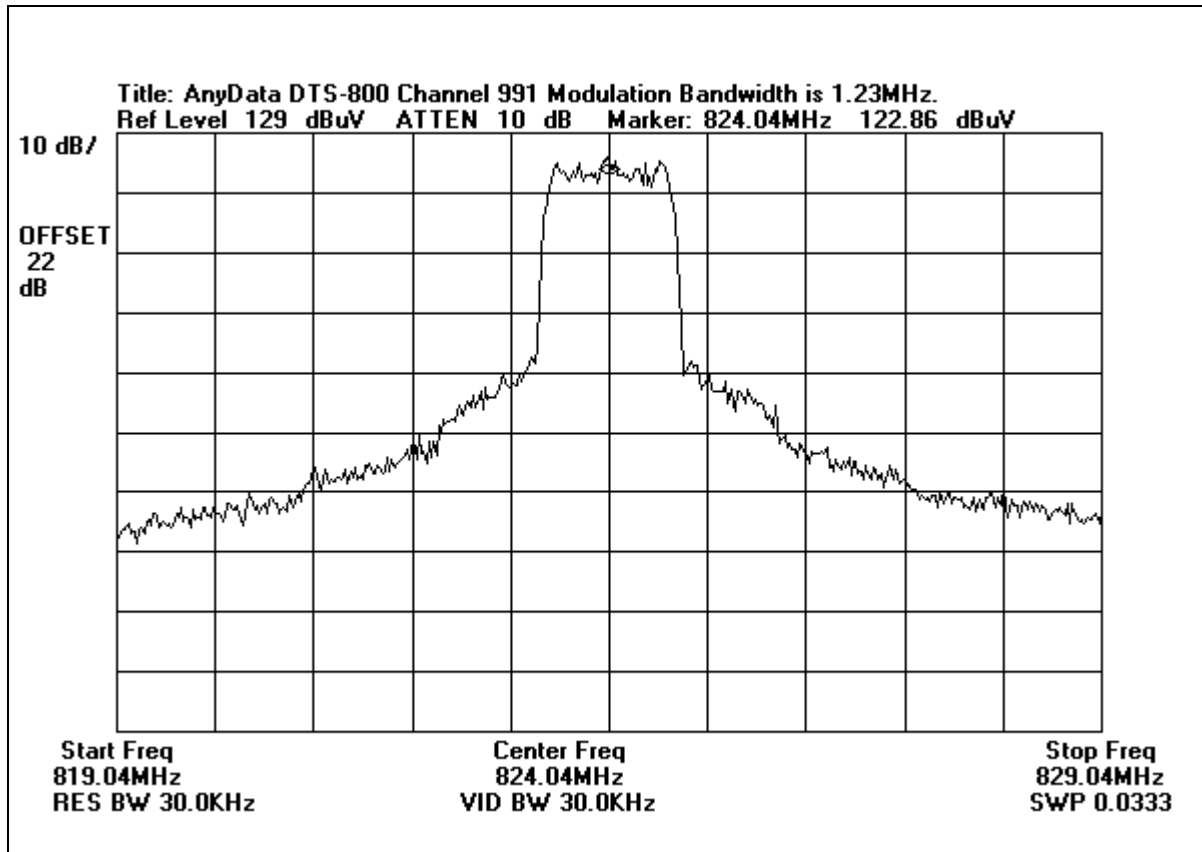
There are no modulated signals employed between 5.9 and 6.1 kHz. Therefore, this device satisfies the not requirements of 22.917(c)(2). Audio low pass filter response and modulation limiting curves do need to be supplied since testing was performed to 22.917(c).

2.1033(c)(14)/2.1047(b)/22.915(a) MODULATION CHARACTERISTICS – Modulation Limiting Response

There are no modulated signals employed between 5.9 and 6.1 kHz. Therefore, this device satisfies the not requirements of 22.917(c)(2). Audio low pass filter response and modulation limiting curves do need to be supplied since testing was performed to 22.917(c).

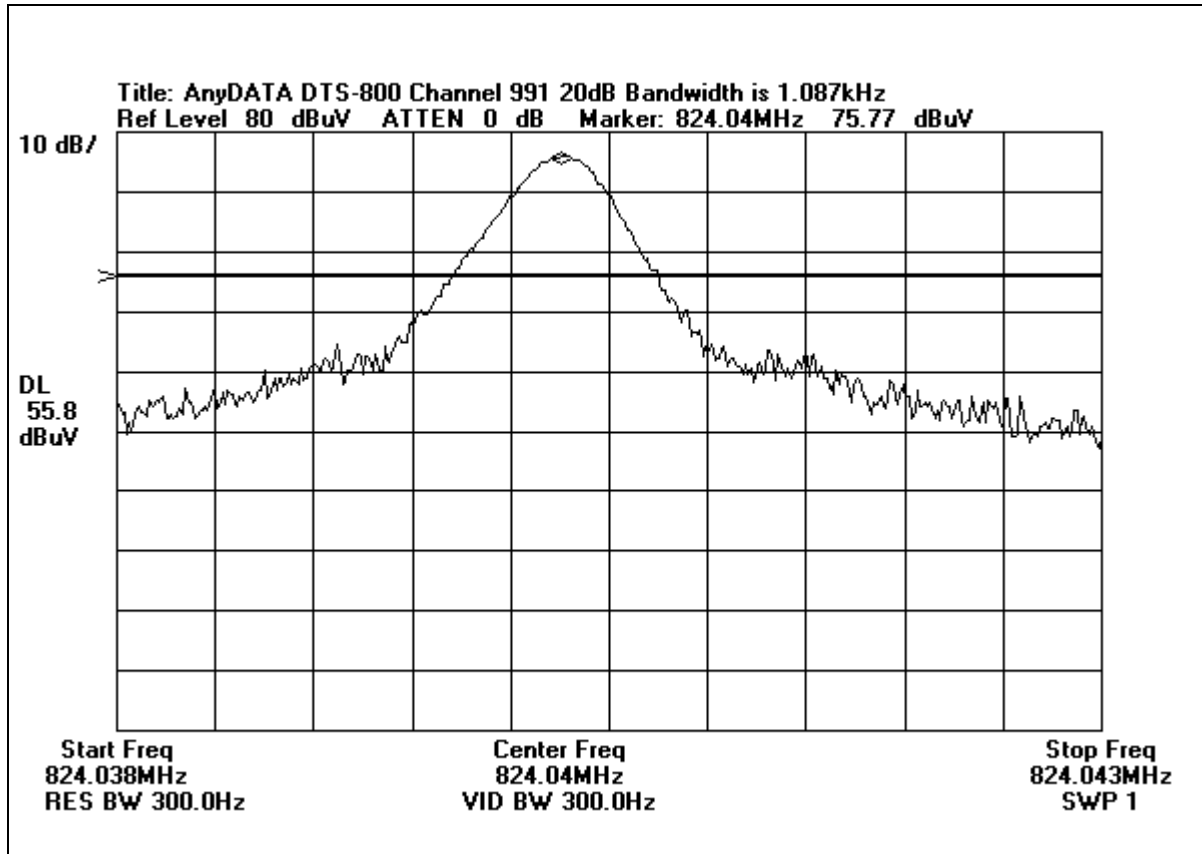
2.1033(c)(14)/2.1049(i)/22.917(c)- OCCUPIED BANDWIDTH

Low Channel



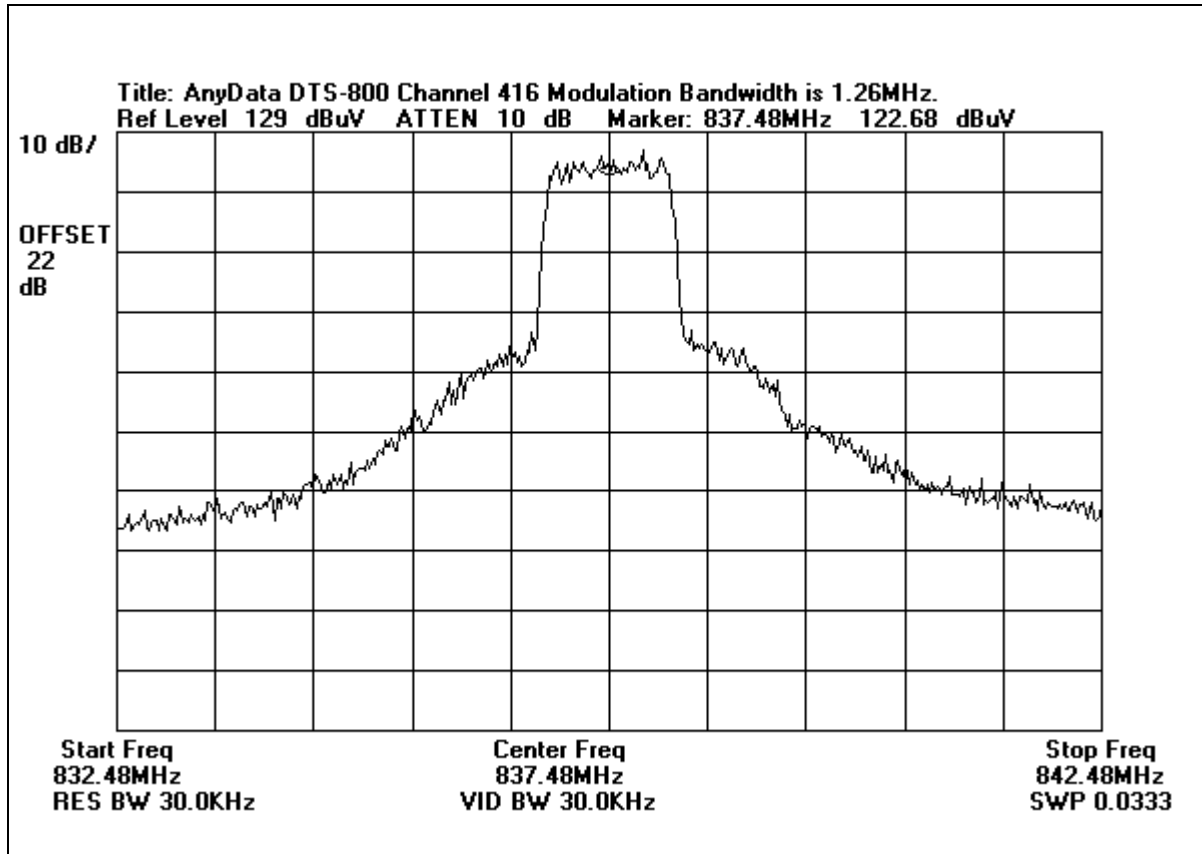
CDM Mode
 Measurement taken at 6dB points

Low Channel



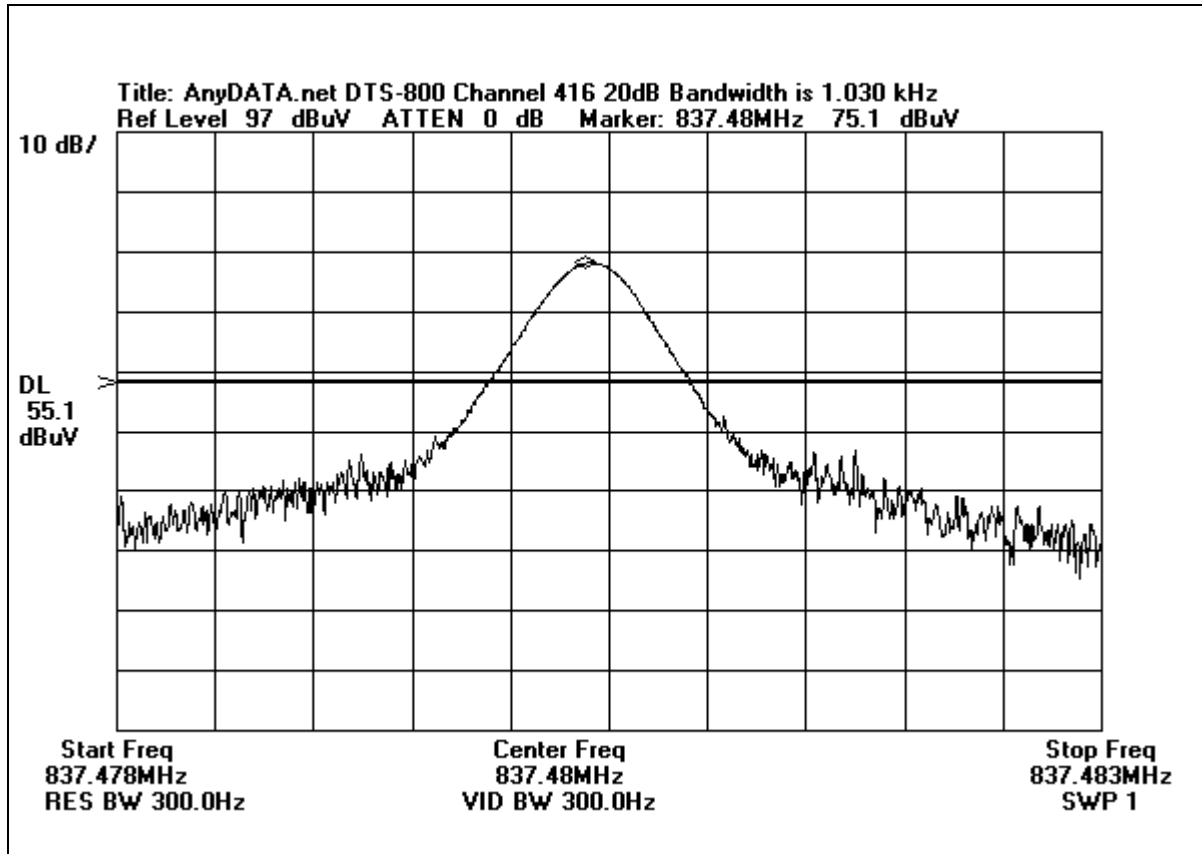
CDM Mode
 Measurement taken at 20dB points
 No spreading

Middle Channel



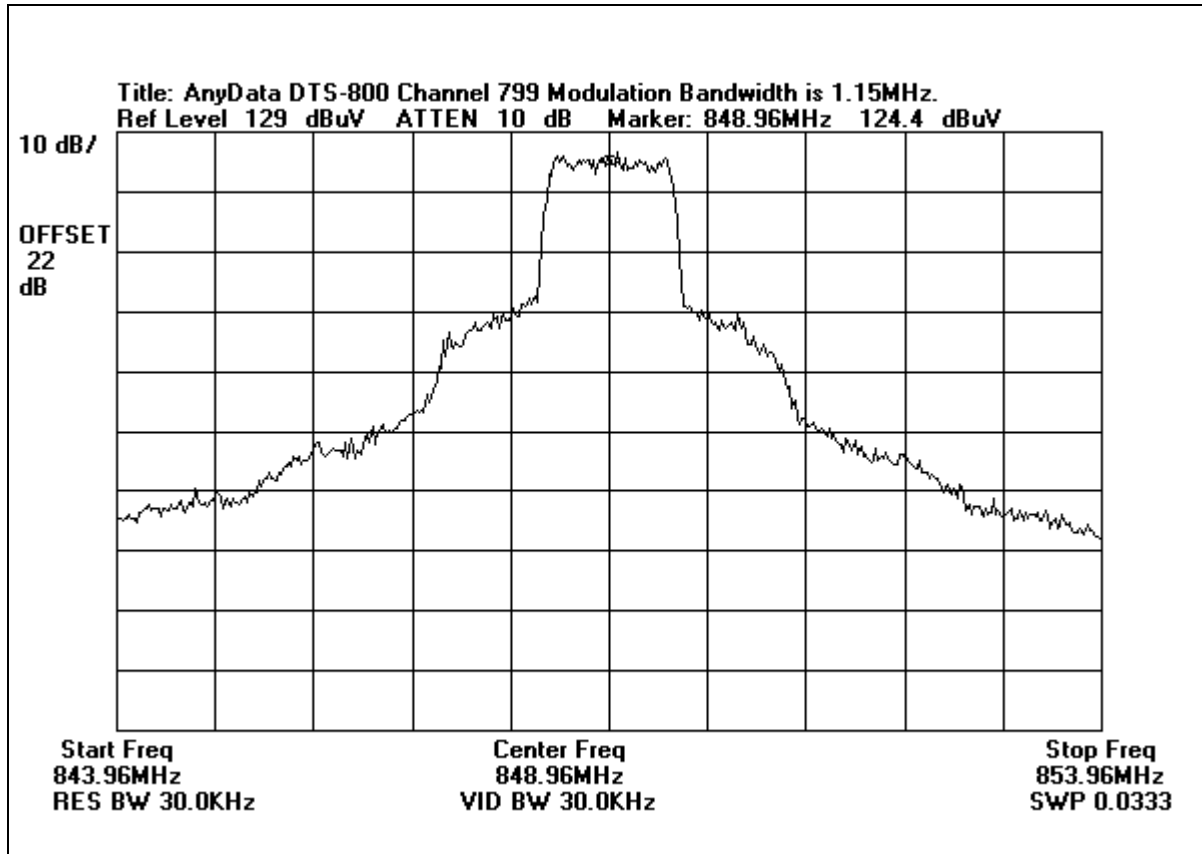
CDM Mode
 Measurement taken at 6dB points

Middle Channel



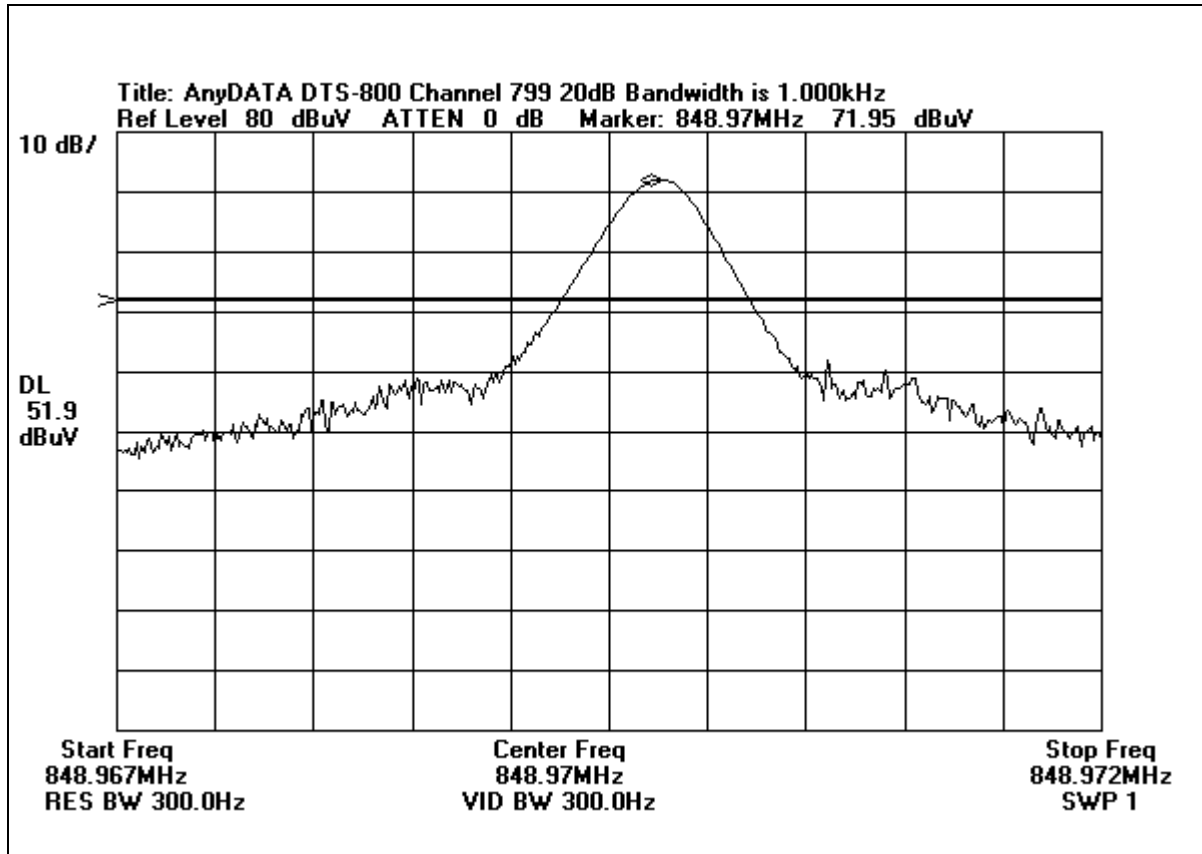
CDM Mode
 Measurement taken at 20dB points
 No spreading

High Channel



CDM Mode
Measurement taken at 6dB points

High Channel



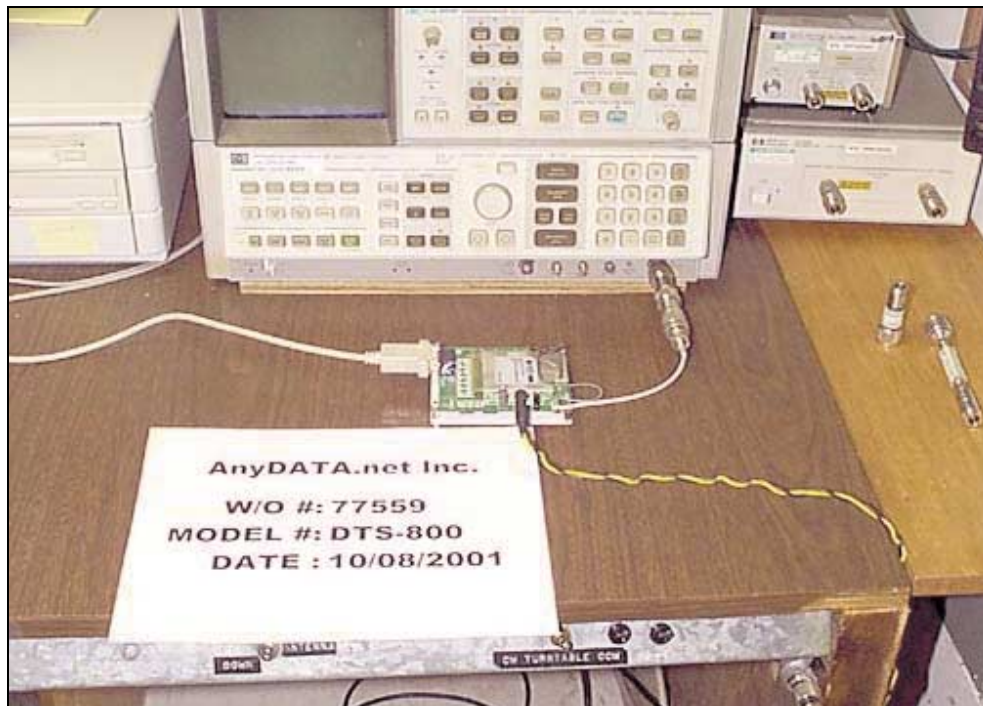
CDM Mode
 Measurement taken at 20dB points
 No spreading

Occupied Bandwidth Test Equipment:

Equipment	Manufacturer	Model #	Serial #	Asset #	Cal Date	Cal Due
3/10 meter Cable	Andrews	Hardline	N/A	N/A	02/27/2001	2/27/02
Antenna, Bicon	A&H	SAS-200/542	156	00225	12/8/00	12/8/01
Antenna, Log	A&H	SAS-200/510	154	01330	05/07/01	5/7/02
Power Supply, DC	HP	6205C	2228A01775	00762	5/31/2001	5/31/02
Preamplifier	HP	8447D	1937A02604	00099	03/29/01	3/29/02
QP Adapter	HP	85650A	2811A01267	00478	11/03/00	11/3/01
S/A Display	HP	8566B	2403A08241	00489	11/3/00	11/3/01
Spectrum Analyzer	HP	8566B	2209A01404	00490	11/3/00	11/3/01

Bandwidths used

300 Hz (within ± 60 kHz of the carrier)
 30 kHz (beyond ± 60 kHz of the carrier)
 In accordance with FCC 22.917(h)

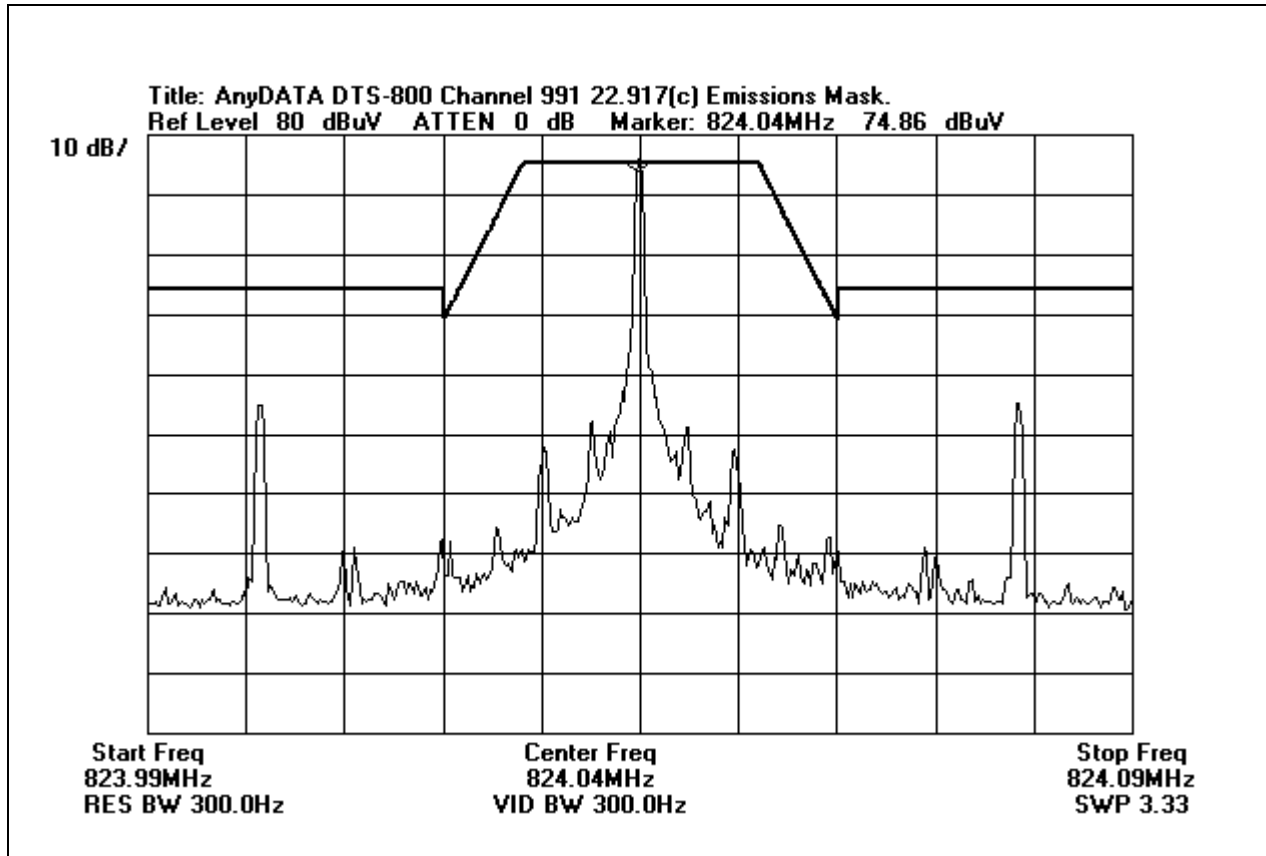


Occupied Bandwidth Test Setup

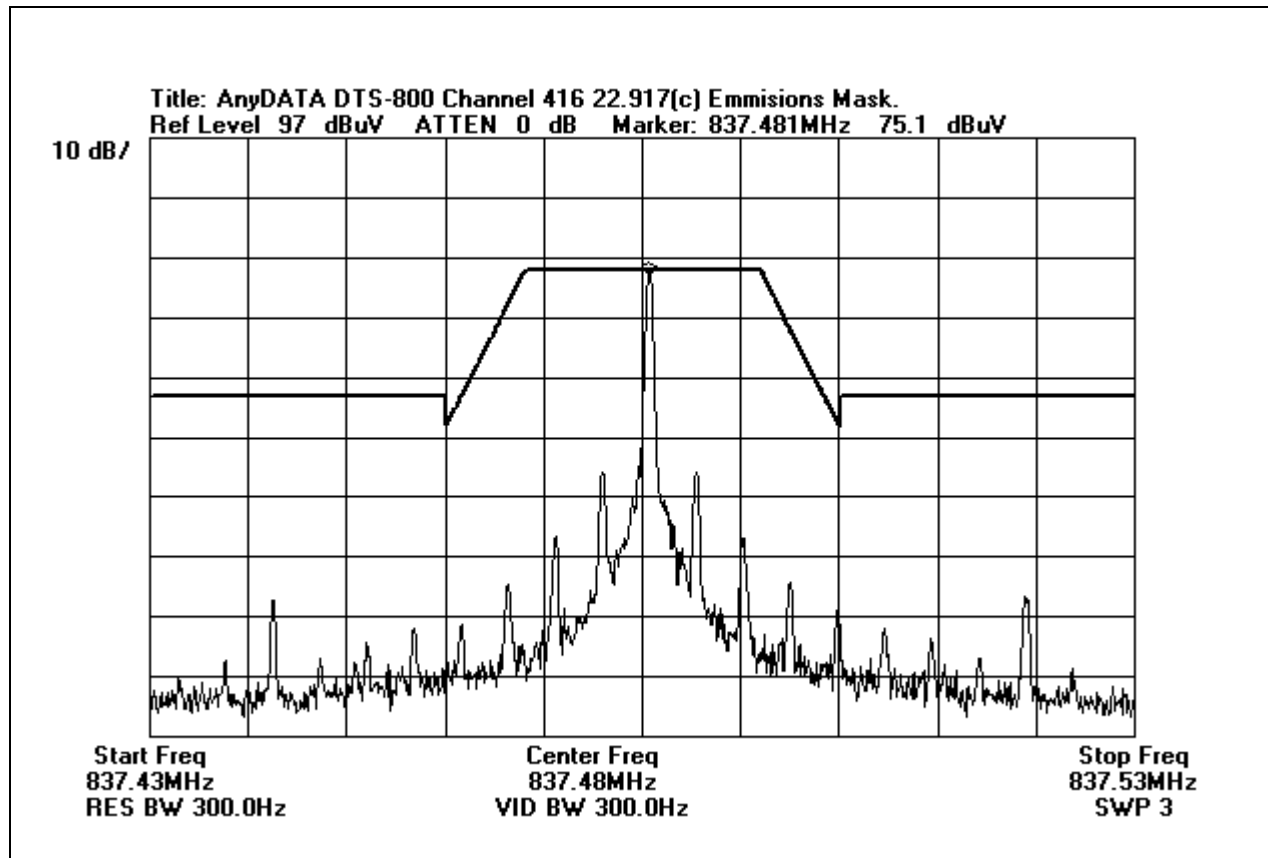
2.1033(c)(14)/2.1051/22.917(c) - SPURIOUS EMISSIONS AT ANTENNA TERMINAL

Emissions masks are defined from the measured peak power output of the unmodulated carrier.

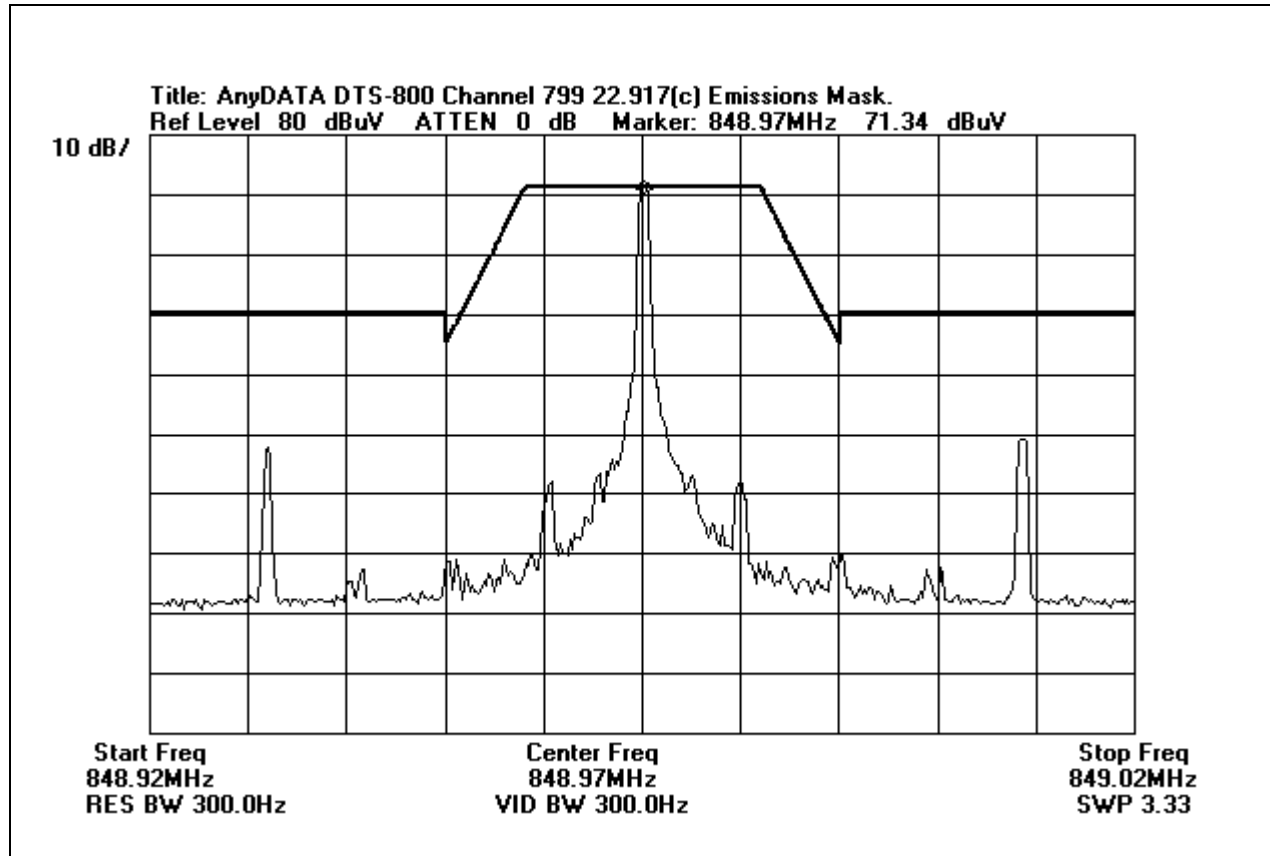
Emissions Limits - Channel 991



Emissions Limits – Channel 416



Emissions Limits - Channel 799



47 CFR 22.917(c)
Calculation of Spurious Emissions Mask

Carrier Frequency (MHz):	824.0400
Peak Unmodulated Power Output:	0.0085 Watts
Peak Unmodulated Power Output:	-20.7000 dBW

Calculation of Attenuation Requirements:

P is the peak unmodulated carrier output power in Watts.
and fd is the displacement frequency from the carrier in kHz.

NOTE: Only the endpoints are calculated. The limit line is linearly interpolated between any two endpoints on a LOG - Linear scale.

22.917(c)(1)(i)

On any frequency that is 12kHz removed from the carrier up to 20kHz removed at least $117\text{LOG}(fd/12)$

$F(fd) = 117\text{LOG}(fd/12)$
F(12) = 0.0 dBc
F(20) = 26.0 dBc

22.917(c)(1)(ii)

On any frequency removed from the carrier by more than 20kHz, the lesser attenuation of $100\text{LOG}(fd/11)$, $43+10\text{LOG}(P)$, or 60dB

Point	fd (kHz)	$100\text{LOG}(fd/11)$	$43+10\text{LOG}(P)$	
1	20	26.0	22.3	60
2	18.4	22.3	22.3	60

Point 2 is when $100\text{LOG}(fd/11)$ is equal to the lesser of $43+10\text{LOG}(P)$ or 60
If Point 2 is lower than 20kHz, the next attenuation requirement is chosen.
The next lower attenuation requirement in this region is: $43+10\text{LOG}(P)$

47 CFR 22.917(c)
Calculation of Spurious Emissions Mask

Carrier Frequency (MHz):	837.4800
Peak Unmodulated Power Output:	0.0060 Watts
Peak Unmodulated Power Output:	-22.2185 dBW

Calculation of Attenuation Requirements:

P is the peak unmodulated carrier output power in Watts.
and fd is the displacement frequency from the carrier in kHz.

NOTE: Only the endpoints are calculated. The limit line is linearly interpolated between any two endpoints on a LOG - Linear scale.

22.917(c)(1)(i)

On any frequency that is 12kHz removed from the carrier up to 20kHz removed at least $117\text{LOG}(fd/12)$

$F(fd) = 117\text{LOG}(fd/12)$	
F(12) =	0.0 dBc
F(20) =	26.0 dBc

22.917(c)(1)(ii)

On any frequency removed from the carrier by more than 20kHz, the lesser attenuation of $100\text{LOG}(fd/11)$, $43+10\text{LOG}(P)$, or 60dB

Point	fd (kHz)	$100\text{LOG}(fd/11)$	$43+10\text{LOG}(P)$	60
1	20	26.0	20.8	60
2	17.8	20.8	20.8	60

Point 2 is when $100\text{LOG}(fd/11)$ is equal to the lesser of $43+10\text{LOG}(P)$ or 60
If Point 2 is lower than 20kHz, the next attenuation requirement is chosen.
The next lower attenuation requirement in this region is: $43+10\text{LOG}(P)$

47 CFR 22.917(c)
Calculation of Spurious Emissions Mask

Carrier Frequency (MHz):	848.9600
Peak Unmodulated Power Output:	0.0047 Watts
Peak Unmodulated Power Output:	-23.3000 dBW

Calculation of Attenuation Requirements:

P is the peak unmodulated carrier output power in Watts.
and fd is the displacement frequency from the carrier in kHz.

NOTE: Only the endpoints are calculated. The limit line is linearly interpolated between any two endpoints on a LOG - Linear scale.

22.917(c)(1)(i)

On any frequency that is 12kHz removed from the carrier up to 20kHz removed at least $117\text{LOG}(fd/12)$

$F(fd) = 117\text{LOG}(fd/12)$
F(12) = 0.0 dBc
F(20) = 26.0 dBc

22.917(c)(1)(ii)

On any frequency removed from the carrier by more than 20kHz, the lesser attenuation of $100\text{LOG}(fd/11)$, $43+10\text{LOG}(P)$, or 60dB

Point	fd (kHz)	$100\text{LOG}(fd/11)$	$43+10\text{LOG}(P)$	
1	20	26.0	19.7	60
2	17.3	19.7	19.7	60

Point 2 is when $100\text{LOG}(fd/11)$ is equal to the lesser of $43+10\text{LOG}(P)$ or 60
If Point 2 is lower than 20kHz, the next attenuation requirement is chosen.
The next lower attenuation requirement in this region is: $43+10\text{LOG}(P)$

Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/10/2001
 Time: 5:20:16 PM
 Sequence#: 9
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

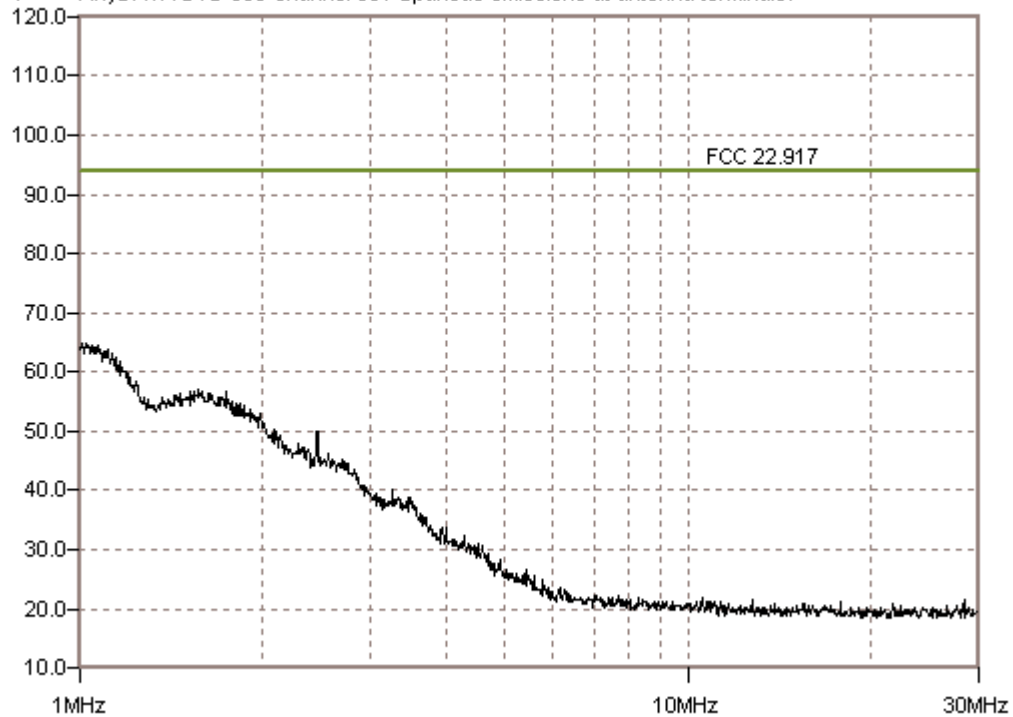
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 1-30MHz. Carrier Channels Tested: 991. Test Mode: CDMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	1.020M	53.0	+12.0				+0.0	65.0	93.9	-28.9	Anten
2	1.008M	52.8	+12.0				+0.0	64.8	93.9	-29.1	Anten
3	1.070M	52.4	+12.0				+0.0	64.4	93.9	-29.5	Anten
4	1.050M	52.4	+12.0				+0.0	64.4	93.9	-29.5	Anten
5	1.059M	52.3	+12.0				+0.0	64.3	93.9	-29.6	Anten
6	1.111M	51.8	+12.0				+0.0	63.8	93.9	-30.1	Anten
7	1.082M	51.8	+12.0				+0.0	63.8	93.9	-30.1	Anten
8	1.099M	51.5	+12.0				+0.0	63.5	93.9	-30.4	Anten
9	1.133M	51.0	+12.0				+0.0	63.0	93.9	-30.9	Anten
10	1.146M	50.4	+12.0				+0.0	62.4	93.9	-31.5	Anten
11	1.171M	49.8	+12.0				+0.0	61.8	93.9	-32.1	Anten

12	1.160M	49.5	+12.0	+0.0	61.5	93.9	-32.4	Anten
13	1.197M	47.7	+12.0	+0.0	59.7	93.9	-34.2	Anten
14	1.211M	47.0	+12.0	+0.0	59.0	93.9	-34.9	Anten
15	1.241M	46.4	+12.0	+0.0	58.4	93.9	-35.5	Anten
16	1.566M	45.0	+12.0	+0.0	57.0	93.9	-36.9	Anten
17	1.749M	44.6	+12.0	+0.0	56.6	93.9	-37.3	Anten
18	1.589M	44.6	+12.0	+0.0	56.6	93.9	-37.3	Anten
19	1.545M	44.6	+12.0	+0.0	56.6	93.9	-37.3	Anten
20	1.522M	44.6	+12.0	+0.0	56.6	93.9	-37.3	Anten

CKC Laboratories, Inc. Date: 10/10/2001 Time: 5:20:16 P WVO#: 77559
FCC 22.917 Test Distance: None Sequence#: 9
AnyDATA DTS-800 Channel 991 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/10/2001
 Time: 5:13:00 PM
 Sequence#: 8
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

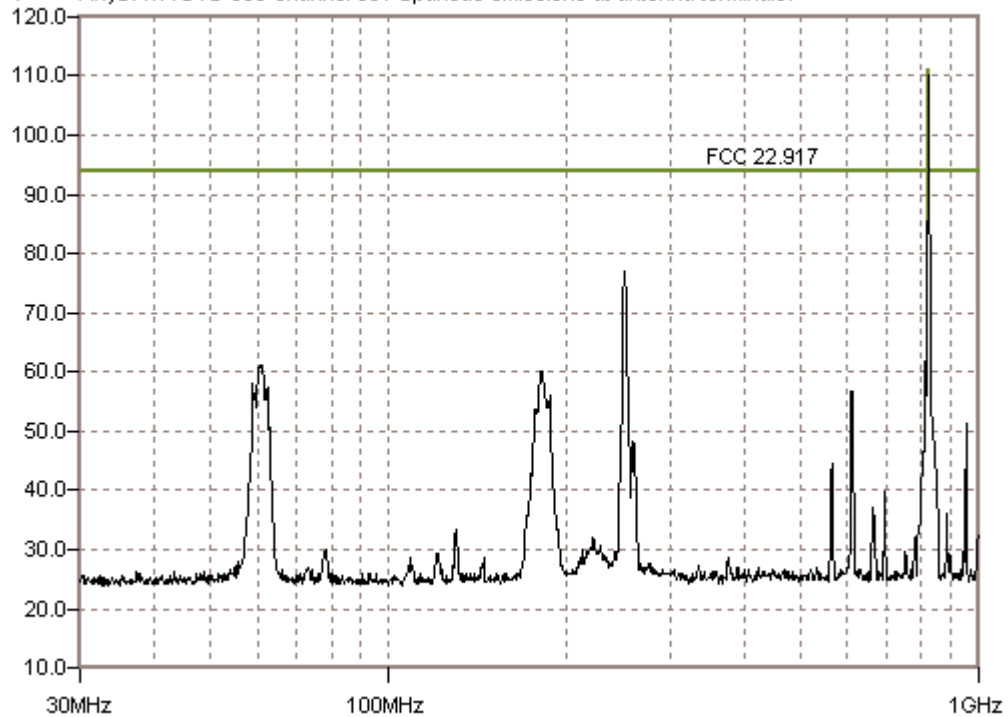
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 30-1000MHz. Carrier Channels Tested: 991. Test Mode: CDMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	251.850M	65.0	+12.0				+0.0	77.0	93.9	-16.9	Anten
2	814.050M	49.7	+12.0				+0.0	61.7	93.9	-32.2	Anten
3	60.732M	49.2	+12.0				+0.0	61.2	93.9	-32.7	Anten
4	181.450M	48.1	+12.0				+0.0	60.1	93.9	-33.8	Anten
5	59.023M	46.2	+12.0				+0.0	58.2	93.9	-35.7	Anten
6	62.441M	45.4	+12.0				+0.0	57.4	93.9	-36.5	Anten
7	61.929M	45.1	+12.0				+0.0	57.1	93.9	-36.8	Anten
8	610.943M	44.6	+12.0				+0.0	56.6	93.9	-37.3	Anten
9	59.450M	44.5	+12.0				+0.0	56.5	93.9	-37.4	Anten
10	187.500M	43.9	+12.0				+0.0	55.9	93.9	-38.0	Anten
11	177.600M	41.8	+12.0				+0.0	53.8	93.9	-40.1	Anten

12	178.700M	41.7	+12.0	+0.0	53.7	93.9	-40.2	Anten
13	954.765M	39.3	+12.0	+0.0	51.3	93.9	-42.6	Anten
14	188.875M	36.8	+12.0	+0.0	48.8	93.9	-45.1	Anten
15	260.100M	36.1	+12.0	+0.0	48.1	93.9	-45.8	Anten
16	564.480M	32.7	+12.0	+0.0	44.7	93.9	-49.2	Anten
17	174.575M	31.0	+12.0	+0.0	43.0	93.9	-50.9	Anten
18	695.460M	27.8	+12.0	+0.0	39.8	93.9	-54.1	Anten
19	664.485M	25.2	+12.0	+0.0	37.2	93.9	-56.7	Anten

CKC Laboratories, Inc. Date: 10/10/2001 Time: 5:13:00 P WO#: 77559
FCC 22.917 Test Distance: None Sequence#: 8
dB μ V/m AnyDATA DTS-800 Channel 991 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/10/2001
 Time: 5:25:37 PM
 Sequence#: 10
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

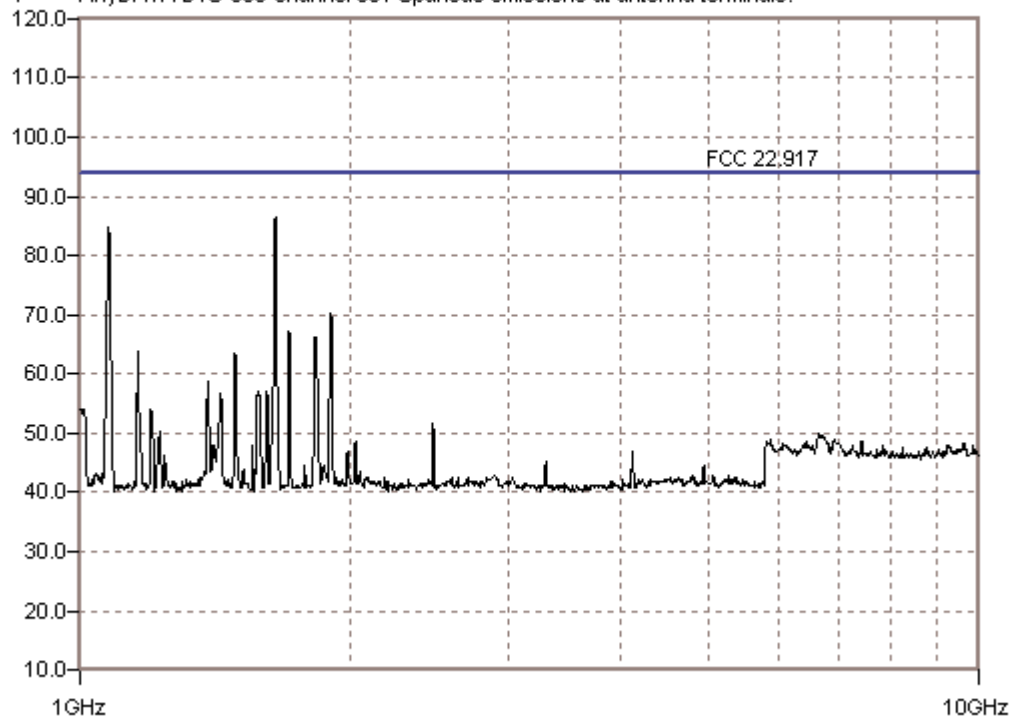
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 1-10 GHz. Carrier Channels Tested: 991. Test Mode: CDMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	1650.436M	74.4	+12.0				+0.0	86.4	93.9	-7.5	Anten
2	1077.655M	72.8	+12.0				+0.0	84.8	93.9	-9.1	Anten
3	1901.731M	58.3	+12.0				+0.0	70.3	93.9	-23.6	Anten
4	1710.856M	55.2	+12.0				+0.0	67.2	93.9	-26.7	Anten
5	1828.952M	54.2	+12.0				+0.0	66.2	93.9	-27.7	Anten
6	1161.859M	51.8	+12.0				+0.0	63.8	93.9	-30.1	Anten
7	1489.771M	51.6	+12.0				+0.0	63.6	93.9	-30.3	Anten
8	1391.081M	46.6	+12.0				+0.0	58.6	93.9	-35.3	Anten
9	1614.732M	45.1	+12.0				+0.0	57.1	93.9	-36.8	Anten
10	1579.029M	45.1	+12.0				+0.0	57.1	93.9	-36.8	Anten
11	1434.118M	44.7	+12.0				+0.0	56.7	93.9	-37.2	Anten

12	1199.283M	42.1	+12.0	+0.0	54.1	93.9	-39.8	Anten
13	1005.614M	42.1	+12.0	+0.0	54.1	93.9	-39.8	Anten
14	1010.292M	41.9	+12.0	+0.0	53.9	93.9	-40.0	Anten
15	2474.544M	39.6	+12.0	+0.0	51.6	93.9	-42.3	Anten
16	1227.351M	38.4	+12.0	+0.0	50.4	93.9	-43.5	Anten
17	6655.688M	38.1	+12.0	+0.0	50.1	93.9	-43.8	Anten
18	6686.083M	37.7	+12.0	+0.0	49.7	93.9	-44.2	Anten
19	6764.238M	37.3	+12.0	+0.0	49.3	93.9	-44.6	Anten
20	6923.581M	37.0	+12.0	+0.0	49.0	93.9	-44.9	Anten

CKC Laboratories, Inc. Date: 10/10/2001 Time: 5:25:37 P WVO#: 77559
FCC 22.917 Test Distance: None Sequence#: 10
AnyDATA DTS-800 Channel 991 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/11/2001
 Time: 9:20:26 AM
 Sequence#: 11
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

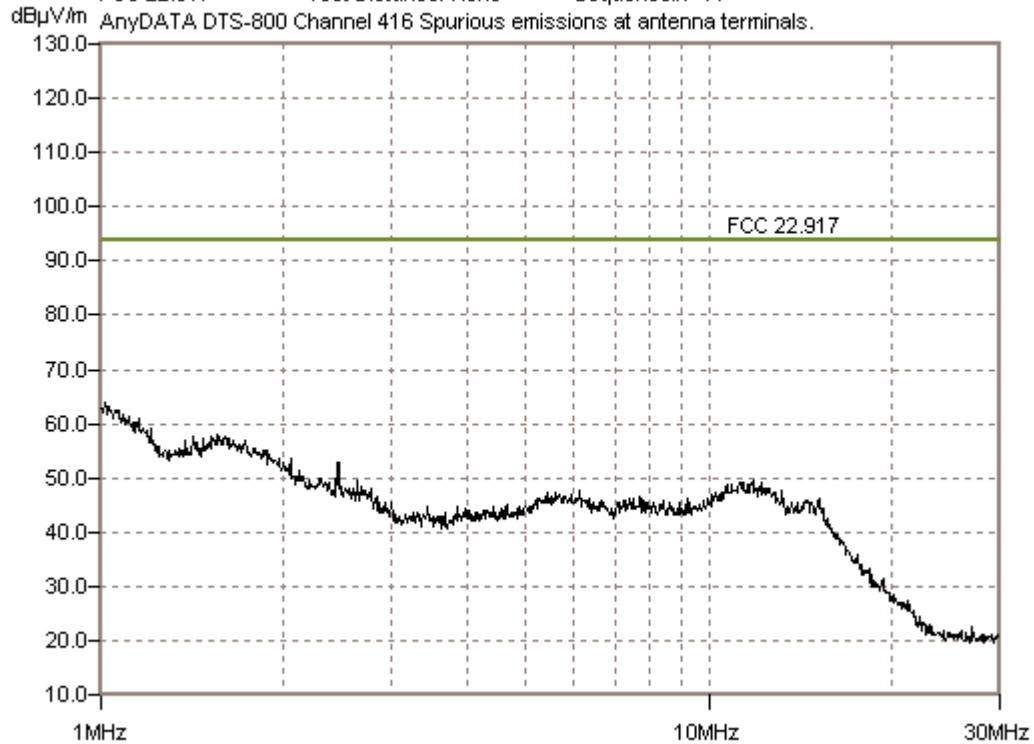
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 1-30 MHz. Carrier Channels Tested: 416. Test Mode: CDMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	1.015M	52.0	+12.0				+0.0	64.0	93.9	-29.9	Anten
2	1.027M	51.1	+12.0				+0.0	63.1	93.9	-30.8	Anten
3	1.004M	50.7	+12.0				+0.0	62.7	93.9	-31.2	Anten
4	1.056M	50.6	+12.0				+0.0	62.6	93.9	-31.3	Anten
5	1.068M	50.5	+12.0				+0.0	62.5	93.9	-31.4	Anten
6	1.043M	50.4	+12.0				+0.0	62.4	93.9	-31.5	Anten
7	1.088M	49.6	+12.0				+0.0	61.6	93.9	-32.3	Anten
8	1.113M	49.4	+12.0				+0.0	61.4	93.9	-32.5	Anten
9	1.153M	48.8	+12.0				+0.0	60.8	93.9	-33.1	Anten
10	1.099M	48.8	+12.0				+0.0	60.8	93.9	-33.1	Anten
11	1.142M	48.2	+12.0				+0.0	60.2	93.9	-33.7	Anten

12	1.126M	48.1	+12.0	+0.0	60.1	93.9	-33.8	Anten
13	1.174M	47.3	+12.0	+0.0	59.3	93.9	-34.6	Anten
14	1.209M	47.0	+12.0	+0.0	59.0	93.9	-34.9	Anten
15	1.557M	46.1	+12.0	+0.0	58.1	93.9	-35.8	Anten
16	1.603M	45.6	+12.0	+0.0	57.6	93.9	-36.3	Anten
17	1.568M	45.6	+12.0	+0.0	57.6	93.9	-36.3	Anten
18	1.520M	45.6	+12.0	+0.0	57.6	93.9	-36.3	Anten
19	1.417M	45.6	+12.0	+0.0	57.6	93.9	-36.3	Anten
20	1.532M	45.3	+12.0	+0.0	57.3	93.9	-36.6	Anten

CKC Laboratories, Inc. Date: 10/11/2001 Time: 9:20:26 AM WVO#: 77559
 FCC 22.917 Test Distance: None Sequence#: 11
 AnyDATA DTS-800 Channel 416 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/11/2001
 Time: 9:24:01 AM
 Sequence#: 12
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

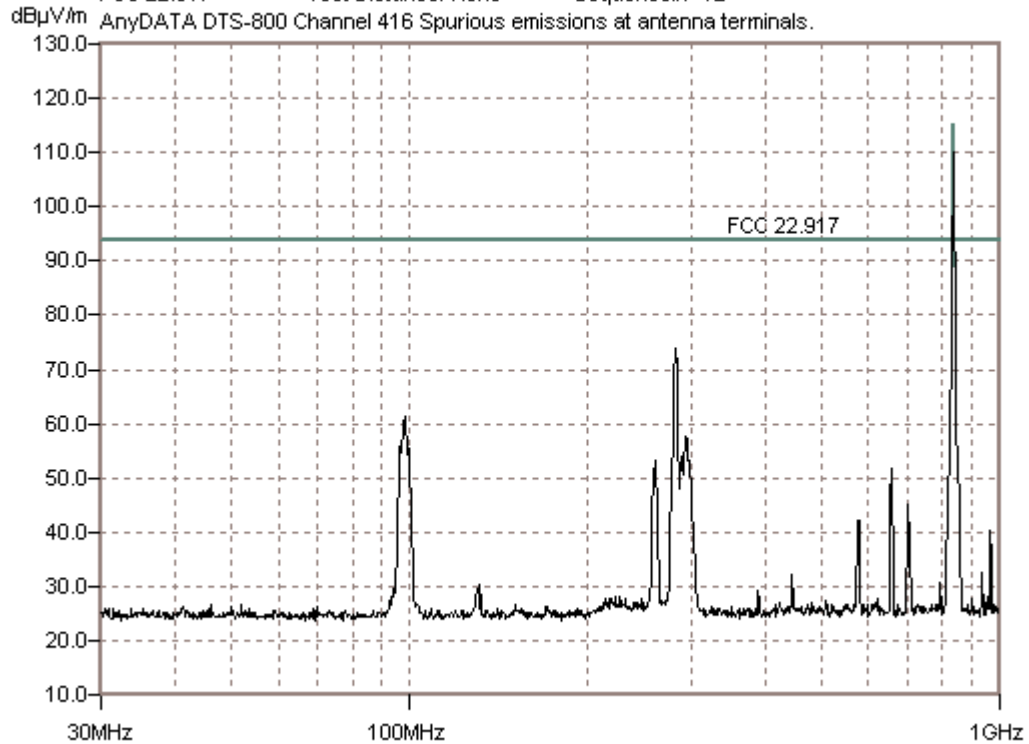
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 30-1000 MHz. Carrier Channels Tested: 416. Test Mode: DMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	282.925M	62.0	+12.0				+0.0	74.0	93.9	-19.9	Anten
2	98.073M	49.2	+12.0				+0.0	61.2	93.9	-32.7	Anten
3	294.475M	45.8	+12.0				+0.0	57.8	93.9	-36.1	Anten
4	96.540M	43.9	+12.0				+0.0	55.9	93.9	-38.0	Anten
5	99.913M	43.5	+12.0				+0.0	55.5	93.9	-38.4	Anten
6	289.250M	42.1	+12.0				+0.0	54.1	93.9	-39.8	Anten
7	262.025M	41.4	+12.0				+0.0	53.4	93.9	-40.5	Anten
8	656.520M	39.9	+12.0				+0.0	51.9	93.9	-42.0	Anten
9	259.550M	39.5	+12.0				+0.0	51.5	93.9	-42.4	Anten
10	701.655M	33.1	+12.0				+0.0	45.1	93.9	-48.8	Anten
11	577.313M	30.1	+12.0				+0.0	42.1	93.9	-51.8	Anten

12	967.155M	28.2	+12.0	+0.0	40.2	93.9	-53.7	Anten
13	934.410M	20.6	+12.0	+0.0	32.6	93.9	-61.3	Anten
14	446.385M	20.1	+12.0	+0.0	32.1	93.9	-61.8	Anten
15	794.580M	18.6	+12.0	+0.0	30.6	93.9	-63.3	Anten
16	131.190M	18.5	+12.0	+0.0	30.5	93.9	-63.4	Anten
17	130.577M	17.6	+12.0	+0.0	29.6	93.9	-64.3	Anten
18	93.805M	17.6	+12.0	+0.0	29.6	93.9	-64.3	Anten
19	390.631M	17.4	+12.0	+0.0	29.4	93.9	-64.5	Anten

CKC Laboratories, Inc. Date: 10/11/2001 Time: 9:24:01 A WO#: 77559
FCC 22.917 Test Distance: None Sequence#: 12
AnyDATA DTS-800 Channel 416 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/11/2001
 Time: 09:34:34
 Sequence#: 13
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

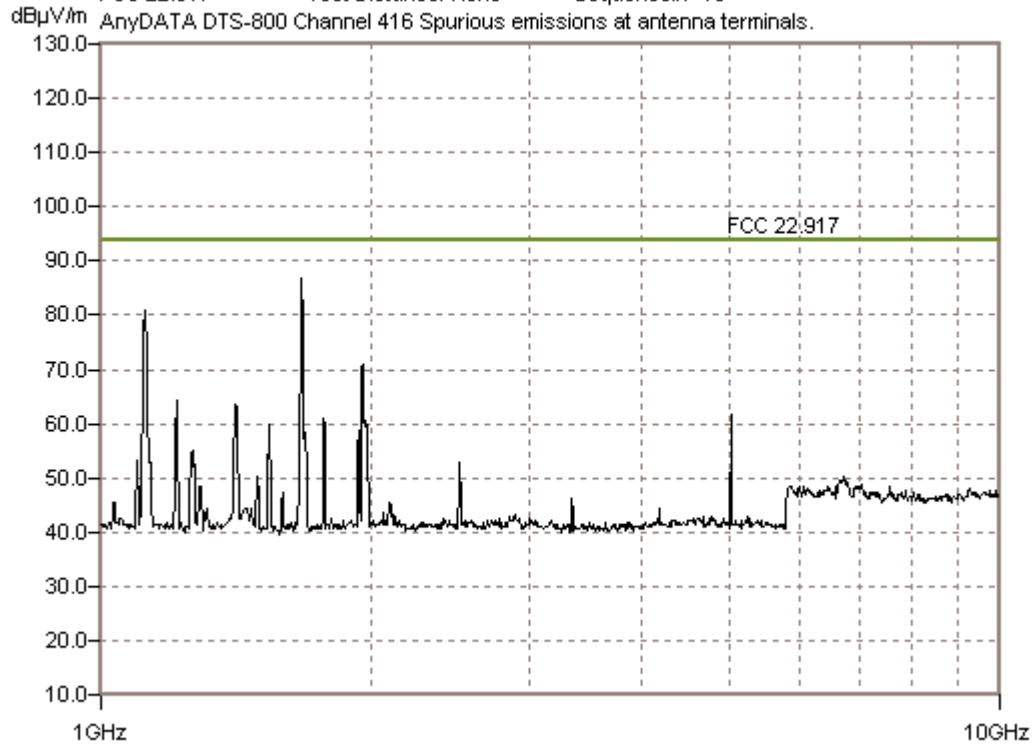
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 1-10. GHz Carrier Channels Tested: 416. Test Mode: DMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	1675.610M	74.7	+12.0				+0.0	86.7	93.9	-7.2	Anten
2	1121.628M	69.0	+12.0				+0.0	81.0	93.9	-12.9	Anten
3	1958.032M	58.8	+12.0				+0.0	70.8	93.9	-23.1	Anten
4	1215.188M	52.2	+12.0				+0.0	64.2	93.9	-29.7	Anten
5	1411.664M	51.6	+12.0				+0.0	63.6	93.9	-30.3	Anten
6	5027.438M	49.6	+12.0				+0.0	61.6	93.9	-32.3	Anten
7	1771.277M	48.8	+12.0				+0.0	60.8	93.9	-33.1	Anten
8	1974.511M	48.6	+12.0				+0.0	60.6	93.9	-33.3	Anten
9	1539.206M	47.7	+12.0				+0.0	59.7	93.9	-34.2	Anten
10	1934.688M	46.8	+12.0				+0.0	58.8	93.9	-35.1	Anten
11	1687.512M	46.4	+12.0				+0.0	58.4	93.9	-35.5	Anten

12	1263.839M	43.1	+12.0	+0.0	55.1	93.9	-38.8	Anten
13	1098.238M	41.3	+12.0	+0.0	53.3	93.9	-40.6	Anten
14	2512.848M	40.8	+12.0	+0.0	52.8	93.9	-41.1	Anten
15	1493.891M	38.4	+12.0	+0.0	50.4	93.9	-43.5	Anten
16	6712.134M	38.1	+12.0	+0.0	50.1	93.9	-43.8	Anten
17	6790.291M	37.0	+12.0	+0.0	49.0	93.9	-44.9	Anten
18	7016.032M	36.7	+12.0	+0.0	48.7	93.9	-45.2	Anten
19	5839.392M	36.6	+12.0	+0.0	48.6	93.9	-45.3	Anten
20	1290.036M	36.6	+12.0	+0.0	48.6	93.9	-45.3	Anten

CKC Laboratories, Inc. Date: 10/11/2001 Time: 9:31:07 AM WVO#: 77559
FCC 22.917 Test Distance: None Sequence#: 13
AnyDATA DTS-800 Channel 416 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/11/2001
 Time: 10:06:13 AM
 Sequence#: 16
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 1-30 MHz. Carrier Channels Tested: 799. Test Mode: CDMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
			dB	dB	dB	dB					
1	1.012M	50.2	+12.0				+0.0	62.2	93.9	-31.7	Anten
2	1.031M	49.5	+12.0				+0.0	61.5	93.9	-32.4	Anten
3	1.003M	48.8	+12.0				+0.0	60.8	93.9	-33.1	Anten
4	1.052M	48.1	+12.0				+0.0	60.1	93.9	-33.8	Anten
5	1.041M	48.1	+12.0				+0.0	60.1	93.9	-33.8	Anten
6	1.021M	48.1	+12.0				+0.0	60.1	93.9	-33.8	Anten
7	1.086M	47.9	+12.0				+0.0	59.9	93.9	-34.0	Anten
8	1.119M	47.6	+12.0				+0.0	59.6	93.9	-34.3	Anten
9	1.061M	47.4	+12.0				+0.0	59.4	93.9	-34.5	Anten
10	1.108M	46.8	+12.0				+0.0	58.8	93.9	-35.1	Anten
11	1.140M	46.5	+12.0				+0.0	58.5	93.9	-35.4	Anten

12	1.131M	46.4	+12.0	+0.0	58.4	93.9	-35.5	Anten
13	1.156M	46.0	+12.0	+0.0	58.0	93.9	-35.9	Anten
14	1.149M	45.2	+12.0	+0.0	57.2	93.9	-36.7	Anten
15	1.177M	44.3	+12.0	+0.0	56.3	93.9	-37.6	Anten
16	1.578M	44.2	+12.0	+0.0	56.2	93.9	-37.7	Anten
17	1.564M	43.7	+12.0	+0.0	55.7	93.9	-38.2	Anten
18	1.555M	43.6	+12.0	+0.0	55.6	93.9	-38.3	Anten
19	1.639M	43.5	+12.0	+0.0	55.5	93.9	-38.4	Anten
20	1.214M	43.5	+12.0	+0.0	55.5	93.9	-38.4	Anten

CKC Laboratories, Inc. Date: 10/11/2001 Time: 10:06:13 WO#: 77559
FCC 22.917 Test Distance: None Sequence#: 16
AnyDATA DTS-800 Channel 799 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/11/2001
 Time: 10:02:32 AM
 Sequence#: 15
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

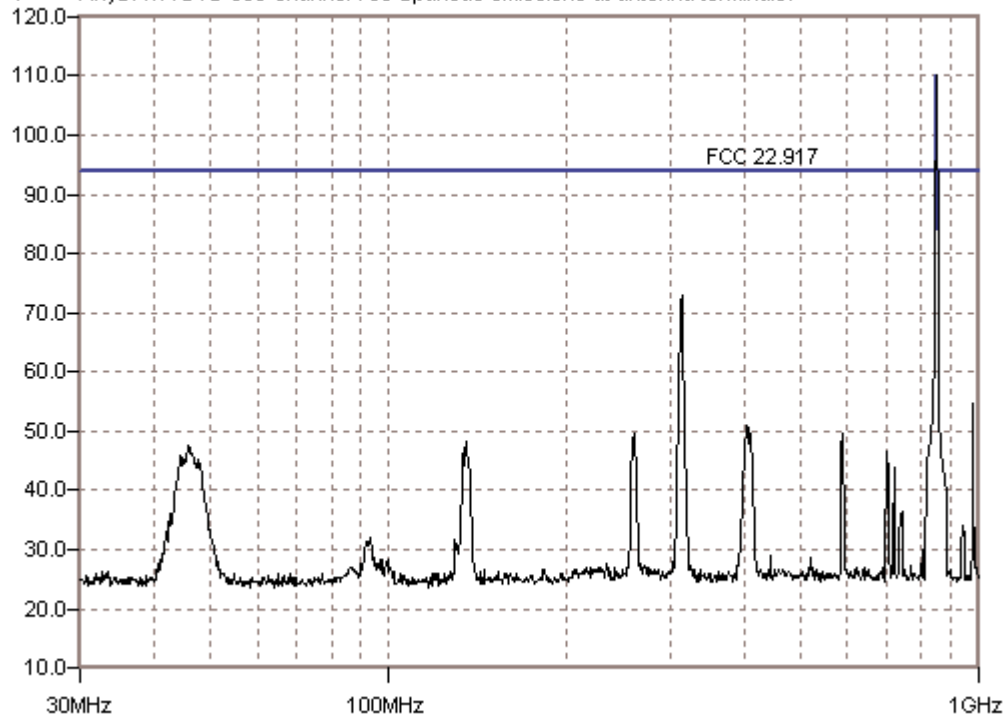
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 30-1000. MHz Carrier Channels Tested: 799. Test Mode: CDMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	314.154M	61.0	+12.0				+0.0	73.0	93.9	-20.9	Anten
2	979.545M	42.8	+12.0				+0.0	54.8	93.9	-39.1	Anten
3	406.420M	39.0	+12.0				+0.0	51.0	93.9	-42.9	Anten
4	589.703M	37.7	+12.0				+0.0	49.7	93.9	-44.2	Anten
5	411.847M	37.7	+12.0				+0.0	49.7	93.9	-44.2	Anten
6	262.025M	37.7	+12.0				+0.0	49.7	93.9	-44.2	Anten
7	259.550M	37.0	+12.0				+0.0	49.0	93.9	-44.9	Anten
8	135.330M	36.2	+12.0				+0.0	48.2	93.9	-45.7	Anten
9	45.905M	35.7	+12.0				+0.0	47.7	93.9	-46.2	Anten
10	46.238M	35.1	+12.0				+0.0	47.1	93.9	-46.8	Anten
11	701.655M	34.7	+12.0				+0.0	46.7	93.9	-47.2	Anten

12	133.643M	34.3	+12.0	+0.0	46.3	93.9	-47.6	Anten
13	44.381M	33.9	+12.0	+0.0	45.9	93.9	-48.0	Anten
14	136.863M	33.2	+12.0	+0.0	45.2	93.9	-48.7	Anten
15	47.715M	33.2	+12.0	+0.0	45.2	93.9	-48.7	Anten
16	45.096M	33.1	+12.0	+0.0	45.1	93.9	-48.8	Anten
17	48.000M	32.6	+12.0	+0.0	44.6	93.9	-49.3	Anten
18	719.355M	31.9	+12.0	+0.0	43.9	93.9	-50.0	Anten
19	741.480M	24.4	+12.0	+0.0	36.4	93.9	-57.5	Anten

CKC Laboratories, Inc. Date: 10/11/2001 Time: 10:02:32 WO#: 77559
FCC 22.917 Test Distance: None Sequence#: 15
dB μ V/m AnyDATA DTS-800 Channel 799 Spurious emissions at antenna terminals.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 22.917**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/11/2001
 Time: 9:47:52 AM
 Sequence#: 14
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124

Test Conditions / Notes:

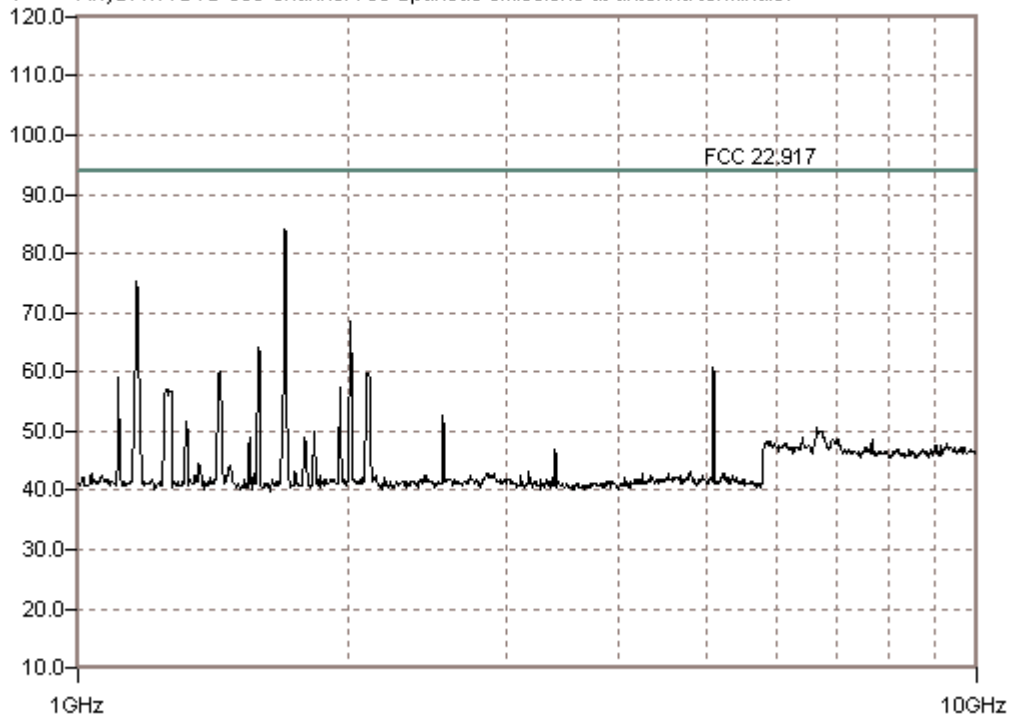
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 1-10. GHz Carrier Channels Tested: 799. Test Mode: CDMA.

Measurement Data: Reading listed by margin. Test Distance: None

#	Freq MHz	Rdng dBμV	12dB				Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Anten
			dB	dB	dB	dB					
1	1699.871M	72.2	+12.0				+0.0	84.2	93.9	-9.7	Anten
2	1162.794M	63.2	+12.0				+0.0	75.2	93.9	-18.7	Anten
3	2011.587M	56.7	+12.0				+0.0	68.7	93.9	-25.2	Anten
4	1590.015M	52.0	+12.0				+0.0	64.0	93.9	-29.9	Anten
5	5096.910M	48.8	+12.0				+0.0	60.8	93.9	-33.1	Anten
6	1440.200M	48.0	+12.0				+0.0	60.0	93.9	-33.9	Anten
7	2104.965M	47.9	+12.0				+0.0	59.9	93.9	-34.0	Anten
8	1110.401M	47.2	+12.0				+0.0	59.2	93.9	-34.7	Anten
9	1960.779M	45.3	+12.0				+0.0	57.3	93.9	-36.6	Anten
10	1253.548M	45.2	+12.0				+0.0	57.2	93.9	-36.7	Anten
11	1271.324M	44.7	+12.0				+0.0	56.7	93.9	-37.2	Anten

12	2547.120M	40.8	+12.0	+0.0	52.8	93.9	-41.1	Anten
13	1320.911M	39.7	+12.0	+0.0	51.7	93.9	-42.2	Anten
14	6651.347M	38.6	+12.0	+0.0	50.6	93.9	-43.3	Anten
15	6694.767M	38.1	+12.0	+0.0	50.1	93.9	-43.8	Anten
16	1833.758M	38.1	+12.0	+0.0	50.1	93.9	-43.8	Anten
17	6764.238M	37.4	+12.0	+0.0	49.4	93.9	-44.5	Anten
18	6395.168M	36.8	+12.0	+0.0	48.8	93.9	-45.1	Anten
19	1790.502M	36.8	+12.0	+0.0	48.8	93.9	-45.1	Anten
20	1551.565M	36.8	+12.0	+0.0	48.8	93.9	-45.1	Anten

CKC Laboratories, Inc. Date: 10/11/2001 Time: 9:47:52 A WO#: 77559
FCC 22.917 Test Distance: None Sequence#: 14
dB μ V/m AnyDATA DTS-800 Channel 799 Spurious emissions at antenna terminals.



Bandwidths used

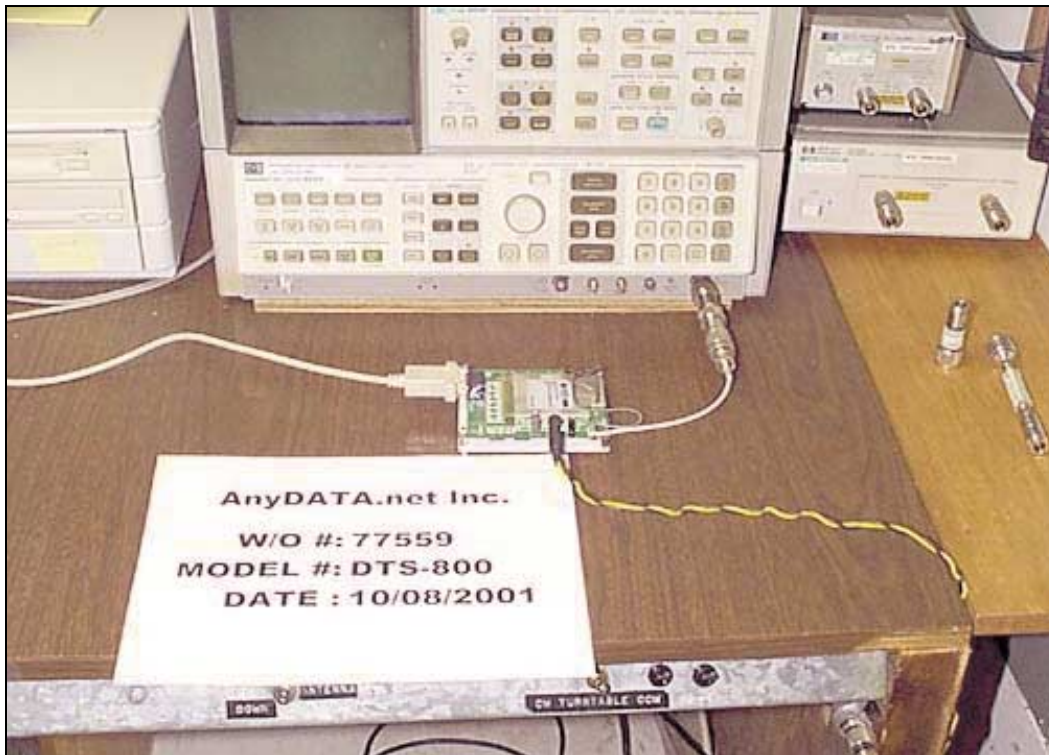
300 Hz (within ± 60 kHz of the carrier)

30 kHz (beyond ± 60 kHz of the carrier)

In accordance with FCC 22.917(h)

Antenna Conducted Test Equipment:

Equipment	Manufacturer	Model #	Serial #	Asset #	Cal Date	Cal Due
Power Supply, DC	HP	6205C	2228A01775	00762	5/31/2001	5/31/02
QP Adapter	HP	85650A	2811A01267	00478	11/03/00	11/3/01
S/A Display	HP	8566B	2403A08241	00489	11/3/00	11/3/01
Spectrum Analyzer	HP	8566B	2209A01404	00490	11/3/00	11/3/01
Attenuator	Pasternack	PE7014-40			03/29/01	3/29/02



Antenna Conducted Test Setup

2.1033(c)(14)/2.1053/22.917(c) - FIELD STRENGTH OF SPURIOUS RADIATION

Emissions masks are defined from the measured peak power output of the unmodulated carrier.
Testing was performed from 1 MHz – 10 GHz.

CFR 47 Part 2.1053 & 22.917(c) Measurements required
Radiated spurious emissions

Channel 991, 416 & 799
Tx Frequency 824.04, 837.48 & 848.97MHz

These data represent the six highest readings.

	Freq (MHz)	Reading in μWatts	Spec Limit μWatts	Pass/Fail
1	1674.52	3.567	50	Pass
2	1650.72	2.468	50	Pass
3	1675.00	1.707	50	Pass
4	2474.38	1.487	50	Pass
5	1650.60	0.938	50	Pass
6	617.325	0.896	50	Pass

Calculations:

Power Calculated from $P = (E \cdot D)^2 / 30G$

22.917(c) Emissions Limit

ERP - $43 + 10 \cdot \text{LOG}(P) = 84.4 \text{ dBuV/m}$ or 0.000050 Watts

Bandwidths used

300 Hz (within ± 60 kHz of the carrier)

30 kHz (beyond ± 60 kHz of the carrier)

In accordance with FCC 22.917(h)

OATS Test Equipment:

Equipment	Manufacturer	Model #	Serial #	Asset #	Cal Date	Cal Due
2.4GHz High Pass Filter	K&L Microwave, Inc.	91H31-3000	00001	01440	10/03/01	10/3/02
3/10 meter Cable	Andrews	Hardline	N/A	N/A	02/27/2001	2/27/02
Antenna, Bicon	A&H	SAS-200/542	156	00225	12/8/00	12/8/01
Antenna, Log	A&H	SAS-200/510	154	01330	05/07/01	5/7/02
Cable #2 (2')	Andrew	FSJ1-50A	N/A	N/A	4/16/01	4/16/02
Cable #4 (50')	Andrew	FSJ1-50A	N/A	N/A	4/16/01	4/16/02
Cable #7 (25')	Andrew	FSJ1-50A	N/A	N/A	4/16/01	4/16/02
Power Supply, DC	HP	6205C	2228A01775	00762	5/31/2001	5/31/02
Preamplifier	HP	8449B	3008A00301	02010	10/19/01	10/19/02
Preamplifier	HP	8447D	1937A02604	00099	03/29/01	3/29/02
QP Adapter	HP	85650A	2811A01267	00478	11/03/00	11/3/01
S/A Display	HP	8566B	2403A08241	00489	11/3/00	11/3/01
Spectrum Analyzer	HP	8566B	2209A01404	00490	11/3/00	11/3/01
Antenna, Mag Loop	EMCO	6502	1074	00226	5/31/01	5/31/02
Antenna, Horn	EMCO	3115	4085	00656	2/28/01	2/28/02



OATS Setup- Front View



OATS Setup- Close-up of Front View



OATS Setup- Back View

2.1033(c)(14)/2.1055/22.355- FREQUENCY TOLERANCE

Frequency Stability

Customer:	AnyDATA	
WO:	77559	
Model:	DTS-800	
FCC Part:	2.1055 / 22.355	
Test Engineer:	Randal Clark	
Ambient Temperature:	70	21.1
Relative Humidity:	35	%
Authorized Band:	821-896	MHz
CH1 Operating Frequency in MHz:	824.04	
CH2 Operating Frequency in MHz:	837.48	
CH3 Operating Frequency in MHz:	848.97	
CH1 Frequency Limit in Hz:	2060	2.5ppm
CH2 Frequency Limit in Hz:	2094	2.5ppm
CH3 Frequency Limit in Hz:	2122	2.5ppm
Nominal Operating Voltage:	6.00	VDC
85% of Nominal (V-)	5.10	VDC
115% of Nominal (V+)	6.90	VDC
Maximum Positive Deviation:	920.00	Hz
Maximum Negative Deviation:	-560.00	Hz

Temperature Stability

Channel 1			
	Frequency MHz	Frequency Error Hz	Pass/Fail
-30°	824.03958	-420	PASS
-20°C	824.03957	-430	PASS
-10°C	824.03954	-460	PASS
0°C	824.03944	-560	PASS
+10°C	824.03948	-520	PASS
+20°C	824.03972	-280	PASS
+30°C	824.03991	-90	PASS
+40°C	824.04001	10	PASS
+50°C	824.04007	70	PASS

Channel 2			
	Frequency MHz	Frequency Error Hz	Pass/Fail
-30°	837.47952	-480	PASS
-20°C	837.47966	-340	PASS
-10°C	837.47998	-20	PASS
0°C	837.48026	260	PASS
+10°C	837.48028	280	PASS
+20°C	837.48026	260	PASS
+30°C	837.48038	380	PASS
+40°C	837.48064	640	PASS
+50°C	837.48092	920	PASS

Channel 3			
	Frequency MHz	Frequency Error Hz	Pass/Fail
-30°	848.96952	-480	PASS
-20°C	848.96955	-450	PASS
-10°C	848.96956	-440	PASS
0°C	848.96954	-460	PASS
+10°C	848.96958	-420	PASS
+20°C	848.96963	-370	PASS
+30°C	848.96991	-90	PASS
+40°C	848.96995	-50	PASS
+50°C	848.96997	-30	PASS

Voltage Variations

Ambient Temperature is 21.1

Channel 1			
Voltage	Frequency MHz	Frequency Error Hz	Pass/Fail
5.1	824.039930	-70	PASS
6.0	824.039940	-60	PASS
6.9	824.039950	-50	PASS

Channel 2			
Voltage	Frequency MHz	Frequency Error Hz	Pass/Fail
5.1	837.480545	545	PASS
6.0	837.480565	565	PASS
6.9	837.480605	605	PASS

Channel 3			
Voltage	Frequency MHz	Frequency Error Hz	Pass/Fail
5.1	848.970020	20	PASS
6.0	848.970000	0	PASS
6.9	848.969970	-30	PASS

Frequency Tolerance Test Equipment:

Equipment	Manufacturer	Model #	Serial #	Asset #	Cal Date	Cal Due
Power Supply, DC	HP	6205C	2228A01775	00762	5/31/01	5/31/02
QP Adapter	HP	85650A	2811A01267	00478	11/03/00	11/3/01
S/A Display	HP	8566B	2403A08241	00489	11/3/00	11/3/01
Spectrum Analyzer	HP	8566B	2209A01404	00490	11/3/00	11/3/01
Temp Chamber	Thermotron	S-1.2 MiniMax	11899	01879	3/29/01	3/29/02
Power Supply, DC	Sorensen	DCR-60-30B	176	00765	7/17/01	7/17/02
Digital Multimeter	Radio shack	22-183		01241	8/30/01	8/30/02
Thermometer	Omega	HH-26K	T-202884	02242	7/26/01	7/26/02



Temperature Testing Setup



Voltage Testing Setup

2.1091 - MPE CALCULATIONS

This mobile device does not transmit more than 1.5 Watts ERP, therefore it is excluded from SAR evaluation. In accordance with 2.1091 MPE calculations have been provided.

Maximum Permissible Exposure Calculations

Date of Report: December 09, 2001

Calculations prepared for:

Calculations prepared by: *Randal Clark*

AnyDATA, Inc.
18023 F Skypark Circle
Irvine, CA 92614

CKC Laboratories, Inc.
5473A Clouds Rest Road
Mariposa, CA 95338

Model Number: DTS-800
FCC Identification: PZQDTS-800 CDK

Fundamental Operating Frequency: 824.04 – 848.97 MHz

Maximum Rated Output Power: 0.447 Watts
Measured Output Power: 0.378 Watts

MPE Limit in accordance with 1.1310(b): Limits for general population/uncontrolled exposure

MPE Limit = $f/1500$, where f = Frequency in MHz

MPE Limit for 824.04 MHz = $824.04/1500 = 0.5493 \text{ mW/cm}^2$

MPE Limit for 848.97 MHz = $848.97/1500 = 0.5659 \text{ mW/cm}^2$

Power Output (Watts)	Distance (Meters)	V/M	Power Density (mW/cm ²)	Result
0.378	0.2	16.84	0.075	PASS
0.378	0.1	33.67	0.301	PASS

$$\text{Power Density (W/M}^2\text{)} = (30 * P_t * G) / (d^2 * Z_o)$$

P_t = Power Delivered to the Antenna

G = Antenna Gain

d = Distance in meters

Z_o = Impedance of Free Space

Under normal operating conditions, the antenna is designed to maintain a separation distance of 0.2 meters from all persons. As can be seen from the MPE results, this device passes the limits specified in 1.1310 at a distance of 0.1 meters.

15.107 – AC CONDUCTED EMISSIONS - RECEIVER

Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 15.107 Class B**
 Work Order #: **77559**
 Test Type: **Conducted Emissions**
 Equipment: **DTS**
 Manufacturer: **AnyDATA**
 Model: **DTS-800**
 S/N: **10052001-01**

Date: 10/16/2001
 Time: 10:48:11 AM
 Sequence#: 19
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124
Power Supply			2000.12.7C2

Test Conditions / Notes:

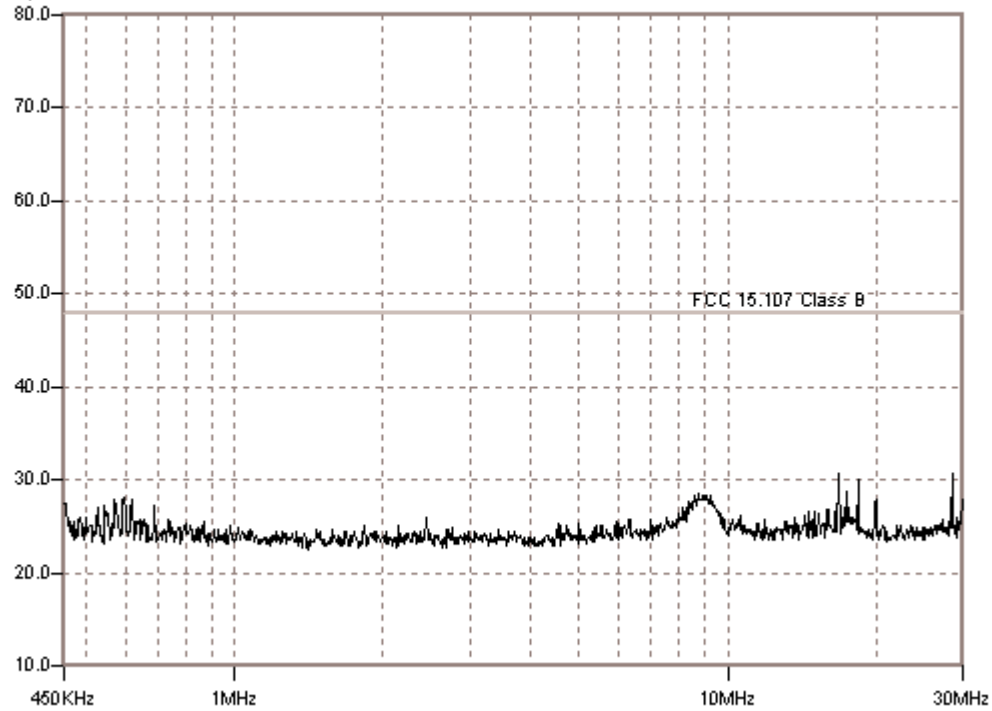
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 450kHz - 30MHz. Test Mode: Receive Mode Only. Channels 991,416,799.

Measurement Data: Reading listed by margin. Test Lead: Black

#	Freq MHz	Rdng dBμV	Cable LISN				Dist Table	Corr dBμV	Spec dBμV	Margin dB	Polar Ant
			dB	dB	dB	dB					
1	28.673M	29.8	+0.4	+0.6			+0.0	30.8	48.0	-17.2	Black
2	16.831M	29.5	+0.3	+0.8			+0.0	30.6	48.0	-17.4	Black
3	18.450M	29.0	+0.3	+0.7			+0.0	30.0	48.0	-18.0	Black
4	17.514M	27.6	+0.3	+0.8			+0.0	28.7	48.0	-19.3	Black
5	8.710M	24.1	+0.2	+4.3			+0.0	28.6	48.0	-19.4	Black
6	8.560M	24.4	+0.2	+3.8			+0.0	28.4	48.0	-19.6	Black
7	9.215M	23.8	+0.2	+4.3			+0.0	28.3	48.0	-19.7	Black
8	8.901M	23.3	+0.2	+4.8			+0.0	28.3	48.0	-19.7	Black
9	30.000M	27.3	+0.3	+0.6			+0.0	28.2	48.0	-19.8	Black
10	598.772k	27.7	+0.1	+0.4			+0.0	28.2	48.0	-19.8	Black

11	20.011M	27.1	+0.3	+0.6	+0.0	28.0	48.0	-20.0	Black
12	618.832k	27.3	+0.1	+0.4	+0.0	27.8	48.0	-20.2	Black
13	572.027k	27.3	+0.1	+0.4	+0.0	27.8	48.0	-20.2	Black
14	8.464M	24.0	+0.2	+3.5	+0.0	27.7	48.0	-20.3	Black
15	8.328M	24.3	+0.2	+3.1	+0.0	27.6	48.0	-20.4	Black

CKC Laboratories, Inc. Date: 10/16/2001 Time: 10:48:11 AM W/O#: 77559
FCC 15.107 Class B Test Lead: Black Sequence#: 19
dB μ V AnyDATA DTS-800 powered by 6VDC thru 120VAC power supply.



Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **FCC 15.107 Class B**
 Work Order #: **77559**
 Test Type: **Conducted Emissions**
 Equipment: **DTS**
 Manufacturer: **AnyDATA**
 Model: **DTS-800**
 S/N: **10052001-01**

Date: 10/16/2001
 Time: 10:51:45 AM
 Sequence#: 20
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124
Power Supply			2000.12.7C2

Test Conditions / Notes:

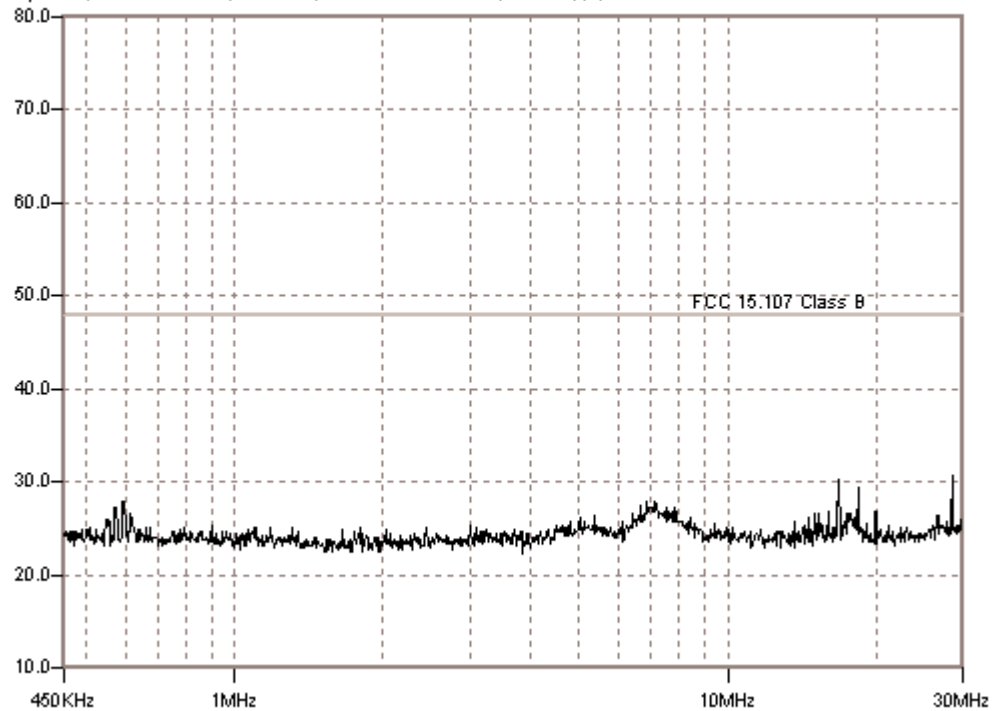
EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 450kHz - 30MHz. Test Mode: Receive Mode Only. Channels 991,416,799.

Measurement Data: Reading listed by margin. Test Lead: White

#	Freq MHz	Rdng dBμV	Cable		LISN		Dist Table	Corr dBμV	Spec dBμV	Margin dB	Polar Ant
			dB	dB	dB	dB					
1	28.673M	29.6	+0.4		+0.8		+0.0	30.8	48.0	-17.2	White
2	16.889M	29.5	+0.3		+0.5		+0.0	30.3	48.0	-17.7	White
3	18.450M	28.8	+0.3		+0.4		+0.0	29.5	48.0	-18.5	White
4	594.593k	27.4	+0.1		+0.5		+0.0	28.0	48.0	-20.0	White
5	7.113M	23.9	+0.2		+3.7		+0.0	27.8	48.0	-20.2	White
6	6.881M	24.0	+0.2		+3.6		+0.0	27.8	48.0	-20.2	White
7	7.209M	23.9	+0.2		+3.5		+0.0	27.6	48.0	-20.4	White
8	6.704M	24.1	+0.2		+3.1		+0.0	27.4	48.0	-20.6	White
9	7.796M	24.7	+0.2		+2.4		+0.0	27.3	48.0	-20.7	White
10	6.950M	23.3	+0.2		+3.8		+0.0	27.3	48.0	-20.7	White
11	572.027k	26.7	+0.1		+0.5		+0.0	27.3	48.0	-20.7	White

12	7.495M	24.0	+0.2	+3.0	+0.0	27.2	48.0	-20.8	White
13	19.991M	26.2	+0.3	+0.4	+0.0	26.9	48.0	-21.1	White
14	7.905M	24.4	+0.2	+2.3	+0.0	26.9	48.0	-21.1	White
15	7.632M	23.9	+0.2	+2.7	+0.0	26.8	48.0	-21.2	White

CKC Laboratories, Inc. Date: 10/16/2001 Time: 10:51:45 AM W/O#: 77559
FCC 15.107 Class B Test Lead: White Sequence#: 20
dBµV AnyDATA DTS-800 powered by 6VDC thru 120VAC power supply.



VIDEO BANDWIDTH AND RESOLUTION BANDWIDTH SETTINGS:

BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
450 kHz	30 MHz	9 kHz

AC Conducted Test Equipment:

Equipment	Manufacturer	Model #	Serial #	Asset #	Cal Date	Cal Due
LISN's set	Solar	8028-50-TS-24-BNC	814493, 474	02056	5/22/01	5/22/02
QP Adapter	HP	85650A	2811A01267	00478	11/03/00	11/3/01
S/A Display	HP	8566B	2403A08241	00489	11/3/00	11/3/01
Spectrum Analyzer	HP	8566B	2209A01404	00490	11/3/00	11/3/01



AC Conducted Test Setup - Front View



AC Conducted Test Setup - Close-up

15.109 – RADIATED EMISSIONS - RECEIVER

Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **15.109 CLASS B**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: **AnyDATA**
 Model: **DTS-800**
 S/N: **10052001-01**

Date: 10/16/2001
 Time: 16:43:55
 Sequence#: 21
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124
Power Supply			2000.12.7C2

Test Conditions / Notes:

EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 30 MHz - 1000 MHz. Test Mode: Receive Mode Only. Channels 991,416,799.

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	Amp dB	Bicon dB	Log 1 dB	Cable dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	54.758M	49.9	-27.1	+10.5	+0.0	+1.4	+0.0	34.7	40.0	-5.3	Vert
2	86.440M	51.2	-27.1	+8.4	+0.0	+1.8	+0.0	34.3	40.0	-5.7	Vert
3	84.590M	51.5	-27.0	+8.0	+0.0	+1.7	+0.0	34.2	40.0	-5.8	Vert
4	69.095M	51.4	-27.1	+8.2	+0.0	+1.6	+0.0	34.1	40.0	-5.9	Vert
5	72.088M	51.7	-27.1	+7.7	+0.0	+1.6	+0.0	33.9	40.0	-6.1	Vert
QP											
^	72.080M	54.0	-27.1	+7.7	+0.0	+1.6	+0.0	36.2	40.0	-3.8	Vert
^	72.060M	54.0	-27.1	+7.7	+0.0	+1.6	+0.0	36.2	40.0	-3.8	Vert
8	66.970M	50.7	-27.1	+8.6	+0.0	+1.6	+0.0	33.8	40.0	-6.2	Vert
QP											
^	66.970M	53.5	-27.1	+8.6	+0.0	+1.6	+0.0	36.6	40.0	-3.4	Vert
10	72.085M	51.5	-27.1	+7.7	+0.0	+1.6	+0.0	33.7	40.0	-6.3	Vert
QP											

11	912.118M	36.3	-27.4	+0.0	+23.7	+6.8	+0.0	39.4	46.0	-6.6	Horiz
12	56.510M	48.6	-27.1	+10.3	+0.0	+1.5	+0.0	33.3	40.0	-6.7	Vert
13	55.760M	48.5	-27.1	+10.4	+0.0	+1.5	+0.0	33.3	40.0	-6.7	Vert
14	54.335M	48.4	-27.1	+10.5	+0.0	+1.4	+0.0	33.2	40.0	-6.8	Vert
^	54.335M	51.2	-27.1	+10.6	+0.0	+1.4	+0.0	36.1	40.0	-3.9	Vert
16	63.153M	47.9	-27.1	+9.3	+0.0	+1.5	+0.0	31.6	40.0	-8.4	Vert
17	207.145M	40.9	-26.6	+17.6	+0.0	+2.9	+0.0	34.8	43.5	-8.7	Horiz
18	208.105M	40.5	-26.6	+17.5	+0.0	+2.9	+0.0	34.3	43.5	-9.2	Horiz
19	912.120M	33.6	-27.4	+0.0	+23.7	+6.8	+0.0	36.7	46.0	-9.3	Vert
20	81.565M	48.8	-27.0	+7.2	+0.0	+1.7	+0.0	30.7	40.0	-9.3	Vert
21	80.665M	48.0	-27.0	+7.0	+0.0	+1.7	+0.0	29.7	40.0	-10.3	Vert
22	204.775M	39.3	-26.7	+17.7	+0.0	+2.9	+0.0	33.2	43.5	-10.3	Horiz
23	77.725M	47.2	-27.0	+7.1	+0.0	+1.7	+0.0	29.0	40.0	-11.0	Vert
24	78.760M	47.1	-27.0	+6.9	+0.0	+1.7	+0.0	28.7	40.0	-11.3	Vert
25	79.675M	46.8	-27.0	+6.8	+0.0	+1.7	+0.0	28.3	40.0	-11.7	Vert
26	493.818M	38.2	-27.8	+0.0	+17.7	+4.7	+0.0	32.8	46.0	-13.2	Horiz
27	344.396M	36.9	-26.7	+0.0	+18.6	+3.9	+0.0	32.7	46.0	-13.3	Horiz
28	206.772M	35.5	-26.6	+17.6	+0.0	+2.9	+0.0	29.4	43.5	-14.1	Vert
29	205.884M	35.3	-26.7	+17.6	+0.0	+2.9	+0.0	29.1	43.5	-14.4	Vert
30	344.392M	35.4	-26.7	+0.0	+18.6	+3.9	+0.0	31.2	46.0	-14.8	Vert
31	222.460M	37.1	-26.5	+16.9	+0.0	+3.0	+0.0	30.5	46.0	-15.5	Horiz
32	54.942M	39.2	-27.1	+10.5	+0.0	+1.5	+0.0	24.1	40.0	-15.9	Horiz
33	472.395M	35.7	-27.6	+0.0	+17.3	+4.6	+0.0	30.0	46.0	-16.0	Horiz
34	80.840M	41.4	-27.0	+7.0	+0.0	+1.7	+0.0	23.1	40.0	-16.9	Horiz
35	432.068M	35.6	-27.4	+0.0	+16.4	+4.4	+0.0	29.0	46.0	-17.0	Horiz
36	109.881M	38.2	-27.1	+13.2	+0.0	+2.1	+0.0	26.4	43.5	-17.1	Vert

37	114.782M	37.6	-27.0	+13.7	+0.0	+2.1	+0.0	26.4	43.5	-17.1	Vert
38	439.764M	34.7	-27.4	+0.0	+16.6	+4.5	+0.0	28.4	46.0	-17.6	Horiz
39	79.480M	40.5	-27.0	+6.9	+0.0	+1.7	+0.0	22.1	40.0	-17.9	Horiz
40	170.810M	34.1	-26.8	+15.3	+0.0	+2.6	+0.0	25.2	43.5	-18.3	Horiz
41	170.829M	34.0	-26.8	+15.3	+0.0	+2.6	+0.0	25.1	43.5	-18.4	Vert
42	58.999M	36.8	-27.1	+10.1	+0.0	+1.5	+0.0	21.3	40.0	-18.7	Horiz
43	119.849M	34.8	-27.0	+14.2	+0.0	+2.2	+0.0	24.2	43.5	-19.3	Vert
44	432.116M	32.4	-27.4	+0.0	+16.4	+4.4	+0.0	25.8	46.0	-20.2	Vert
45	227.320M	31.8	-26.5	+16.6	+0.0	+3.0	+0.0	24.9	46.0	-21.1	Vert
46	109.887M	34.1	-27.1	+13.2	+0.0	+2.1	+0.0	22.3	43.5	-21.2	Horiz

Test Location: CKC Laboratories, Inc. • 5473A Clouds Rest • Mariposa, CA 95338 • 800-500-4362

Customer: **AnyDATA.net**
 Specification: **15.109 CLASS B**
 Work Order #: **77559**
 Test Type: **Maximized Emissions**
 Equipment: **DTS**
 Manufacturer: AnyDATA
 Model: DTS-800
 S/N: 10052001-01

Date: 10/16/2001
 Time: 17:44:05
 Sequence#: 22
 Tested By: Randal Clark

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
DTS*	AnyDATA	DTS-800	10052001-01

Support Devices:

Function	Manufacturer	Model #	S/N
DTSS	AnyDATA	V.04	
Mouse	Microsoft	Serial Mouse 2.0	03763521
Power Supply	Samsung	AD-6019	
Computer	Samsung	SENS 680	558791ANB00124
Power Supply			2000.12.7C2

Test Conditions / Notes:

EUT is a CDMA transmitter powered by 6VDC. The DTSS is host to the EUT supplying RS232 communications through the computer and DC power from an external source. Frequency Range Tested: 1-10 GHz. Test Mode: Receive Mode Only. Channels 991,416,799.

Measurement Data: Reading listed by margin. Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	Amp Cable dB	Horn dB	Cable dB	Cable dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
1	2941.120M	43.9	-34.7 +3.3	+29.6	+1.4	+4.9	+0.0	48.4	54.0	-5.6	Vert
2	2903.390M	41.2	-34.7 +3.3	+29.6	+1.3	+5.0	+0.0	45.7	54.0	-8.3	Vert
3	2866.260M	41.2	-34.6 +3.2	+29.3	+1.2	+5.0	+0.0	45.3	54.0	-8.7	Vert
4	1147.660M	44.2	-35.5 +1.6	+24.7	+0.1	+3.4	+0.0	38.5	54.0	-15.5	Vert

VIDEO BANDWIDTH AND RESOLUTION BANDWIDTH SETTINGS:

BEGINNING FREQUENCY	ENDING FREQUENCY	BANDWIDTH SETTING
30 MHz	1000 MHz	120 kHz
1000 MHz	10 GHz	1 MHz

Radiated Test Equipment:

Equipment	Manufacturer	Model #	Serial #	Asset #	Cal Date	Cal Due
2.4GHz High Pass Filter	K&L Microwave, Inc.	91H31-3000	00001	01440	10/03/01	10/3/02
3/10 meter Cable	Andrews	Hardline	N/A	N/A	02/27/2001	2/27/02
Antenna, Bicon	A&H	SAS-200/542	156	00225	12/8/00	12/8/01
Antenna, Log	A&H	SAS-200/510	154	01330	05/07/01	5/7/02
Cable #2 (2')	Andrew	FSJ1-50A	N/A	N/A	4/16/01	4/16/02
Cable #4 (50')	Andrew	FSJ1-50A	N/A	N/A	4/16/01	4/16/02
Cable #7 (25')	Andrew	FSJ1-50A	N/A	N/A	4/16/01	4/16/02
Power Supply, DC	HP	6205C	2228A01775	00762	5/31/2001	5/31/02
Preamplifier	HP	8449B	3008A00301	02010	10/19/01	10/19/02
Preamplifier	HP	8447D	1937A02604	00099	03/29/01	3/29/02
QP Adapter	HP	85650A	2811A01267	00478	11/03/00	11/3/01
S/A Display	HP	8566B	2403A08241	00489	11/3/00	11/3/01
Spectrum Analyzer	HP	8566B	2209A01404	00490	11/3/00	11/3/01
Antenna, Mag Loop	EMCO	6502	1074	00226	5/31/01	5/31/02
Antenna, Horn	EMCO	3115	4085	00656	2/28/01	2/28/02



OATS Setup- Front View



OATS Setup- Close-up of Front View



OATS Setup- Back View