CORINEX COMMUNICATIONS CORP.
IN-SITU TEST REPORT

FOR THE

BPL MEDIUM VOLTAGE ACCESS GATEWAY

FCC PART 15, SUBPART G
SECTIONS 15.209 AND 15.109 CLASS A

COMPLIANCE

VOLUME 2: LOW VOLTAGE 2-30MHZ
OVERHEAD AND UNDERGROUND

DATE OF ISSUE: MAY 19, 2006

PREPARED FOR:

Corinex Communications Corp.
789 West Pender Street, Suite 670
Vancouver BC V6C 1H2 Canada

P.O. No.: 2006/SS/0018
W.O. No.: 84818

PREPARED BY:

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

Date of test: March 16 - May 2, 2006

Report No.: FC06-025 Volume 2 of 9

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LOW VOLTAGE 2-30MHZ
MEASUREMENT DATA SHEETS

Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	14:01:58
Equipment:	**BPL MV Gateway**	Sequence#:	232
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 1: 10 meters out from low voltage lines the BPL is connected directly across from the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

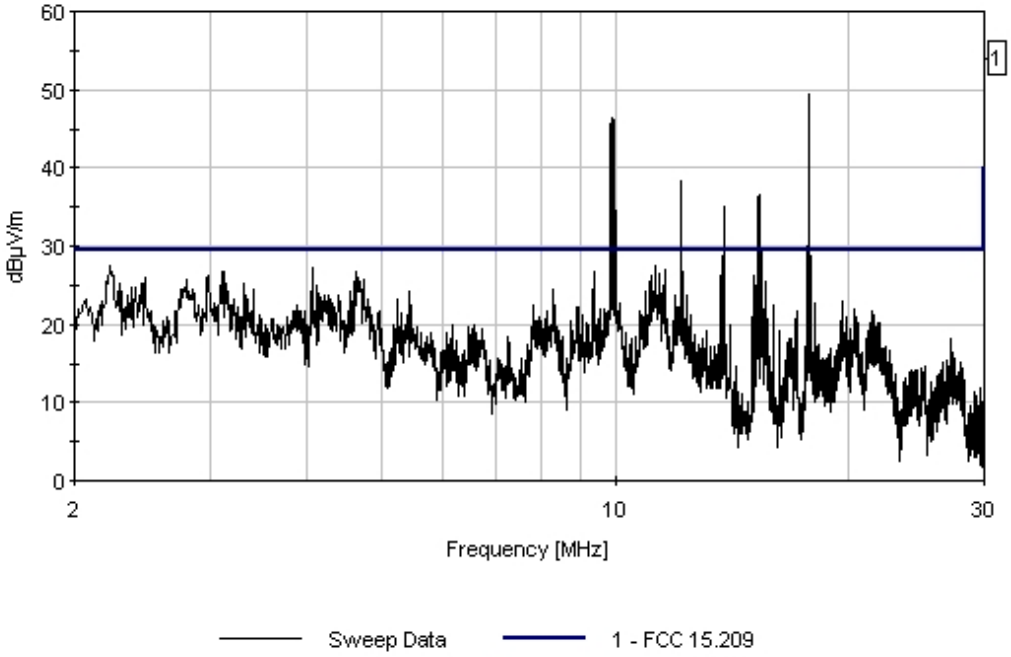
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.246M QP	32.2	+0.1	+0.2	+9.0	-15.9	+0.0	25.6	29.5	-3.9	Paral
^	11.246M	34.5	+0.1	+0.2	+9.0	-15.9	+0.0	27.9	29.5	-1.6	Paral
3	2.438M QP	31.7	+0.1	+0.1	+9.4	-15.9	+0.0	25.4	29.5	-4.1	Paral
^	2.438M	35.9	+0.1	+0.1	+9.4	-15.9	+0.0	29.6	29.5	+0.1	Paral
5	2.313M QP	31.3	+0.1	+0.1	+9.4	-15.9	+0.0	25.0	29.5	-4.5	Paral
^	2.313M	34.9	+0.1	+0.1	+9.4	-15.9	+0.0	28.6	29.5	-0.9	Paral
7	11.408M QP	31.4	+0.1	+0.2	+8.9	-15.9	+0.0	24.7	29.5	-4.8	Paral
^	11.408M	33.4	+0.1	+0.2	+8.9	-15.9	+0.0	26.7	29.5	-2.8	Paral

9 QP	3.080M	30.4	+0.1	+0.1	+9.3	-15.9	+0.0	24.0	29.5	-5.5	Paral
^	3.080M	36.3	+0.1	+0.1	+9.3	-15.9	+0.0	29.9	29.5	+0.4	Paral
11 QP	2.778M	30.0	+0.1	+0.1	+9.3	-15.9	+0.0	23.6	29.5	-5.9	Paral
^	2.778M	33.6	+0.1	+0.1	+9.3	-15.9	+0.0	27.2	29.5	-2.3	Paral
13	4.317M	29.5	+0.1	+0.2	+9.2	-15.9	+0.0	23.1	29.5	-6.4	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 14:01:58 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 232 Parallel
Overhead Site 1 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	13:52:09
Equipment:	**BPL MV Gateway**	Sequence#:	231
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 1: 10 meters out from low voltage lines the BPL is connected directly across from the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

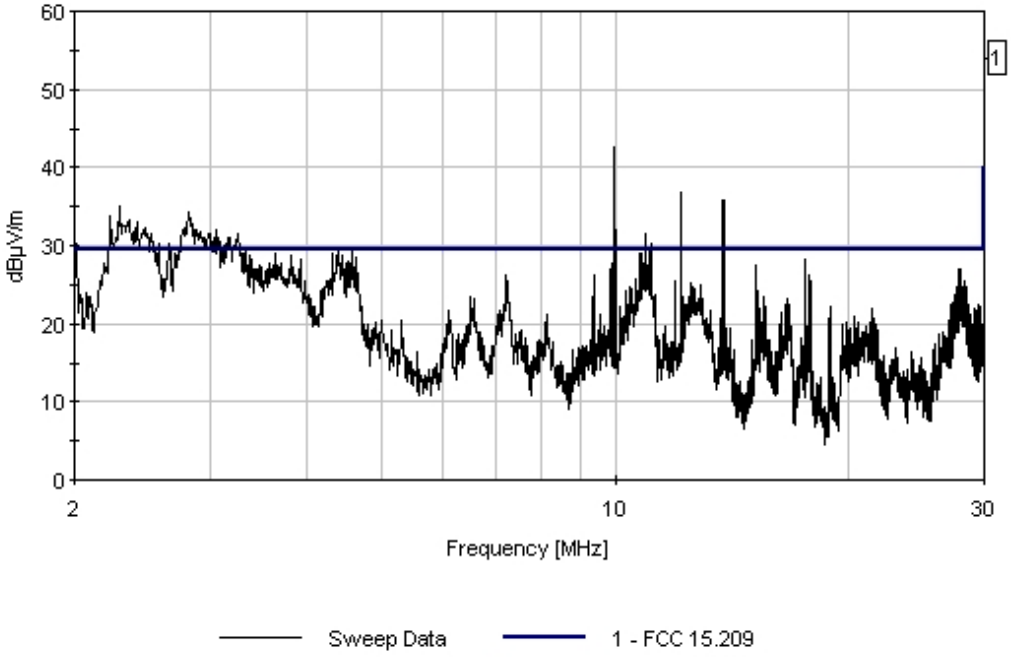
Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.937M QP	35.9	+0.1	+0.2	+9.0	-15.9	+0.0	29.3	29.5	-0.2	Perpe
^	10.937M	38.6	+0.1	+0.2	+9.0	-15.9	+0.0	32.0	29.5	+2.5	Perpe
3	2.425M QP	35.1	+0.1	+0.1	+9.4	-15.9	+0.0	28.8	29.5	-0.7	Perpe
^	2.425M	39.2	+0.1	+0.1	+9.4	-15.9	+0.0	32.9	29.5	+3.4	Perpe
5	2.897M QP	34.8	+0.1	+0.1	+9.3	-15.9	+0.0	28.4	29.5	-1.1	Perpe
^	2.897M	38.5	+0.1	+0.1	+9.3	-15.9	+0.0	32.1	29.5	+2.6	Perpe

7	2.275M QP	34.5	+0.1	+0.1	+9.4	-15.9	+0.0	28.2	29.5	-1.3	Perpe
^	2.275M	40.2	+0.1	+0.1	+9.4	-15.9	+0.0	33.9	29.5	+4.4	Perpe
9	11.101M QP	34.7	+0.1	+0.2	+9.0	-15.9	+0.0	28.1	29.5	-1.4	Perpe
^	11.101M	37.2	+0.1	+0.2	+9.0	-15.9	+0.0	30.6	29.5	+1.1	Perpe
11	2.964M QP	34.2	+0.1	+0.1	+9.3	-15.9	+0.0	27.8	29.5	-1.7	Perpe
^	2.964M	38.5	+0.1	+0.1	+9.3	-15.9	+0.0	32.1	29.5	+2.6	Perpe
13	2.763M QP	33.9	+0.1	+0.1	+9.3	-15.9	+0.0	27.5	29.5	-2.0	Perpe
^	2.763M	38.2	+0.1	+0.1	+9.3	-15.9	+0.0	31.8	29.5	+2.3	Perpe
15	2.517M QP	33.9	+0.1	+0.1	+9.3	-15.9	+0.0	27.5	29.5	-2.0	Perpe
^	2.517M	39.3	+0.1	+0.1	+9.3	-15.9	+0.0	32.9	29.5	+3.4	Perpe
17	3.133M QP	33.3	+0.1	+0.1	+9.3	-15.9	+0.0	26.8	29.5	-2.7	Perpe
^	3.133M	36.7	+0.1	+0.1	+9.3	-15.9	+0.0	30.3	29.5	+0.8	Perpe
19	10.898M QP	32.7	+0.1	+0.2	+9.0	-15.9	+0.0	26.1	29.5	-3.4	Perpe
^	10.898M	36.1	+0.1	+0.2	+9.0	-15.9	+0.0	29.5	29.5	+0.0	Perpe
21	3.249M QP	31.4	+0.1	+0.1	+9.3	-15.9	+0.0	25.0	29.5	-4.5	Perpe
^	3.249M	36.4	+0.1	+0.1	+9.3	-15.9	+0.0	30.0	29.5	+0.5	Perpe
23	11.247M	31.5	+0.1	+0.2	+9.0	-15.9	+0.0	24.9	29.5	-4.6	Perpe
24	28.441M	34.4	+0.3	+0.3	+5.6	-15.9	+0.0	24.7	29.5	-4.8	Perpe
25	27.966M QP	34.2	+0.3	+0.3	+5.7	-15.9	+0.0	24.6	29.5	-4.9	Perpe
^	27.966M	36.7	+0.3	+0.3	+5.7	-15.9	+0.0	27.1	29.5	-2.4	Perpe
27	4.584M QP	30.3	+0.1	+0.1	+9.2	-15.9	+0.0	23.8	29.5	-5.7	Perpe
^	4.584M	36.8	+0.1	+0.1	+9.2	-15.9	+0.0	30.3	29.5	+0.8	Perpe
29	4.304M QP	30.2	+0.1	+0.2	+9.2	-15.9	+0.0	23.7	29.5	-5.8	Perpe
^	4.304M	35.5	+0.1	+0.2	+9.2	-15.9	+0.0	29.1	29.5	-0.4	Perpe

31	27.809M QP	33.1	+0.3	+0.3	+5.8	-15.9	+0.0	23.6	29.5	-5.9	Perpe
^	27.809M	36.1	+0.3	+0.3	+5.8	-15.9	+0.0	26.6	29.5	-2.9	Perpe
33	3.627M QP	29.8	+0.1	+0.2	+9.3	-15.9	+0.0	23.5	29.5	-6.0	Perpe
^	3.627M	35.0	+0.1	+0.2	+9.3	-15.9	+0.0	28.7	29.5	-0.8	Perpe
35	12.654M	30.0	+0.2	+0.2	+8.8	-15.9	+0.0	23.3	29.5	-6.2	Perpe
36	7.180M	28.3	+0.1	+0.2	+9.2	-15.9	+0.0	21.9	29.5	-7.6	Perpe
37	28.755M	31.4	+0.3	+0.3	+5.4	-15.9	+0.0	21.5	29.5	-8.0	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 13:52:09 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 231 Perpendicular
Overhead Site 1 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	14:42:17
Equipment:	**BPL MV Gateway**	Sequence#:	233
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 2: 10 meters out from medium voltage lines the BPL is connected to 4.69 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

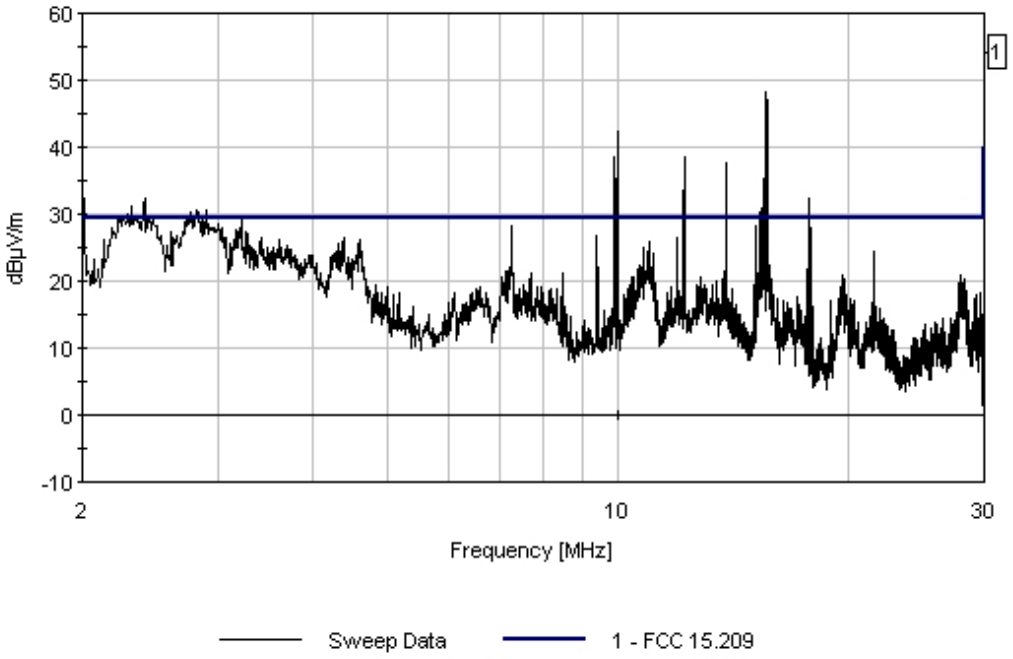
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.811M	32.0	+0.1	+0.1	+9.3	-15.9	+0.0	25.6	29.5	-3.9	Perpe
^	2.811M	42.2	+0.1	+0.1	+9.3	-15.9	+0.0	35.8	29.5	+6.3	Perpe
3	10.783M	32.1	+0.1	+0.2	+9.0	-15.9	+0.0	25.5	29.5	-4.0	Perpe
4	3.526M	31.0	+0.1	+0.2	+9.3	-15.9	+0.0	24.7	29.5	-4.8	Perpe
5 QP	10.939M	31.0	+0.1	+0.2	+9.0	-15.9	+0.0	24.4	29.5	-5.1	Perpe
^	10.939M	33.3	+0.1	+0.2	+9.0	-15.9	+0.0	26.7	29.5	-2.8	Perpe
7 QP	2.469M	29.9	+0.1	+0.1	+9.4	-15.9	+0.0	23.6	29.5	-5.9	Perpe
^	2.469M	40.4	+0.1	+0.1	+9.4	-15.9	+0.0	34.1	29.5	+4.6	Perpe

9	4.377M QP	29.6	+0.1	+0.2	+9.2	-15.9	+0.0	23.2	29.5	-6.3	Perpe
^	4.377M	35.0	+0.1	+0.2	+9.2	-15.9	+0.0	28.6	29.5	-0.9	Perpe
11	11.100M QP	28.3	+0.1	+0.2	+9.0	-15.9	+0.0	21.7	29.5	-7.8	Perpe
^	11.100M	32.3	+0.1	+0.2	+9.0	-15.9	+0.0	25.7	29.5	-3.8	Perpe
13	2.265M QP	26.8	+0.1	+0.1	+9.4	-15.9	+0.0	20.5	29.5	-9.0	Perpe
^	2.265M	32.9	+0.1	+0.1	+9.4	-15.9	+0.0	26.6	29.5	-2.9	Perpe
15	3.037M QP	26.3	+0.1	+0.1	+9.3	-15.9	+0.0	19.9	29.5	-9.6	Perpe
^	3.037M	34.2	+0.1	+0.1	+9.3	-15.9	+0.0	27.8	29.5	-1.7	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 14:42:17 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 233 Perpendicular
Overhead Site 1 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	14:58:15
Equipment:	**BPL MV Gateway**	Sequence#:	234
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 2: 10 meters out from medium voltage lines the BPL is connected to 4.69 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

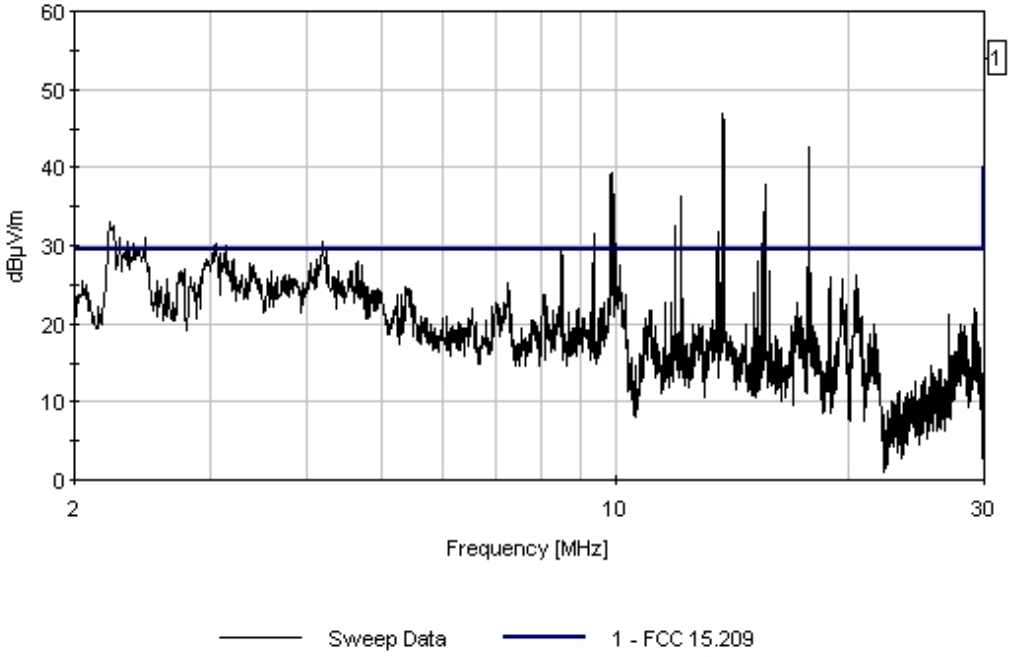
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.237M QP	35.2	+0.1	+0.1	+9.4	-15.9	+0.0	28.9	29.5	-0.6	Paral
^	2.237M	38.9	+0.1	+0.1	+9.4	-15.9	+0.0	32.6	29.5	+3.1	Paral
3	20.471M QP	32.3	+0.2	+0.3	+8.0	-15.9	+0.0	24.8	29.5	-4.7	Paral
^	20.471M	34.3	+0.2	+0.3	+8.0	-15.9	+0.0	26.9	29.5	-2.6	Paral
5	4.859M	30.5	+0.1	+0.1	+9.2	-15.9	+0.0	24.0	29.5	-5.5	Paral
6	19.690M QP	31.0	+0.2	+0.3	+8.1	-15.9	+0.0	23.7	29.5	-5.8	Paral
^	19.690M	33.8	+0.2	+0.3	+8.1	-15.9	+0.0	26.5	29.5	-3.0	Paral
8	3.415M	29.3	+0.1	+0.1	+9.3	-15.9	+0.0	22.9	29.5	-6.6	Paral

9	4.598M	28.4	+0.1	+0.1	+9.2	-15.9	+0.0	21.9	29.5	-7.6	Paral
QP											
^	4.598M	32.3	+0.1	+0.1	+9.2	-15.9	+0.0	25.8	29.5	-3.7	Paral
11	2.542M	27.0	+0.1	+0.1	+9.3	-15.9	+0.0	20.6	29.5	-8.9	Paral
QP											
^	2.542M	32.4	+0.1	+0.1	+9.3	-15.9	+0.0	26.0	29.5	-3.5	Paral
13	4.327M	26.9	+0.1	+0.2	+9.2	-15.9	+0.0	20.5	29.5	-9.0	Paral
QP											
^	4.327M	32.5	+0.1	+0.2	+9.2	-15.9	+0.0	26.1	29.5	-3.4	Paral
15	2.906M	26.9	+0.1	+0.1	+9.3	-15.9	+0.0	20.5	29.5	-9.0	Paral
QP											
^	2.906M	32.6	+0.1	+0.1	+9.3	-15.9	+0.0	26.2	29.5	-3.3	Paral
17	3.990M	23.2	+0.1	+0.2	+9.3	-15.9	+0.0	16.9	29.5	-12.6	Paral
QP											
^	3.990M	32.6	+0.1	+0.2	+9.3	-15.9	+0.0	26.3	29.5	-3.2	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 14:58:15 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 234 Parallel
Overhead Site 1 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	15:12:28
Equipment:	**BPL MV Gateway**	Sequence#:	235
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 3: 10 meters out from medium voltage lines the BPL is connected to 9.38 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

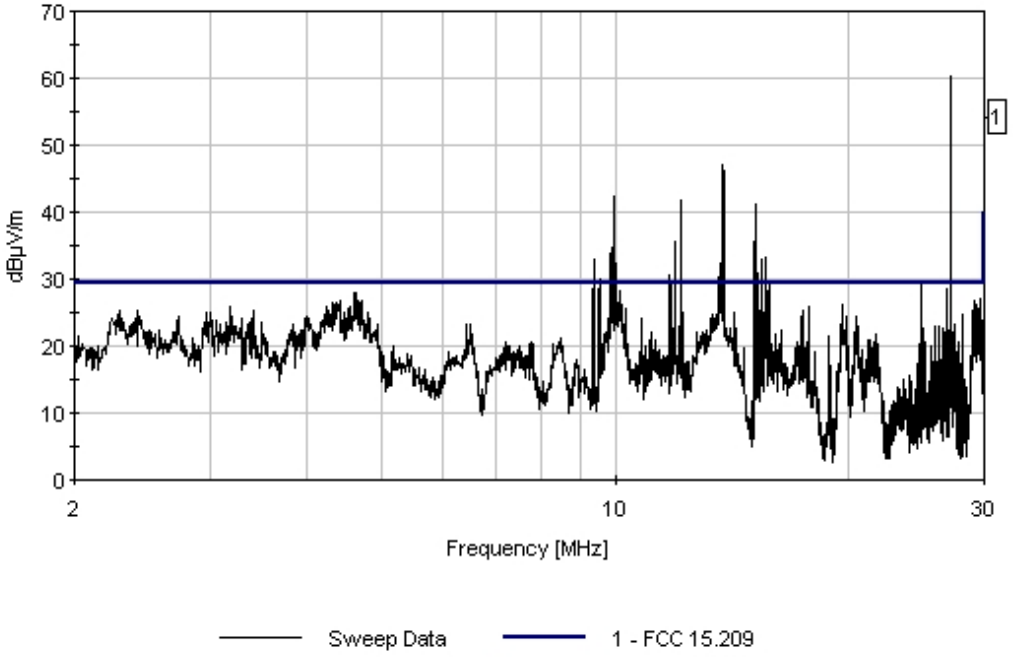
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.159M QP	32.7	+0.1	+0.2	+9.1	-15.9	+0.0	26.2	29.5	-3.3	Paral
^	10.159M	35.4	+0.1	+0.2	+9.1	-15.9	+0.0	28.9	29.5	-0.6	Paral
3	3.310M	31.4	+0.1	+0.1	+9.3	-15.9	+0.0	25.0	29.5	-4.5	Paral
4	4.691M	31.3	+0.1	+0.1	+9.2	-15.9	+0.0	24.8	29.5	-4.7	Paral
5	19.687M QP	32.0	+0.2	+0.3	+8.1	-15.9	+0.0	24.7	29.5	-4.8	Paral
^	19.687M	33.7	+0.2	+0.3	+8.1	-15.9	+0.0	26.4	29.5	-3.1	Paral
7	20.473M	31.7	+0.2	+0.3	+8.0	-15.9	+0.0	24.3	29.5	-5.2	Paral
8	13.475M	30.9	+0.2	+0.2	+8.7	-15.9	+0.0	24.1	29.5	-5.4	Paral

9	29.056M QP	33.8	+0.3	+0.3	+5.3	-15.9	+0.0	23.8	29.5	-5.7	Paral
^	29.056M	36.7	+0.3	+0.3	+5.3	-15.9	+0.0	26.7	29.5	-2.8	Paral
11	29.689M QP	33.9	+0.3	+0.3	+5.1	-15.9	+0.0	23.7	29.5	-5.8	Paral
^	29.689M	37.1	+0.3	+0.3	+5.1	-15.9	+0.0	26.9	29.5	-2.6	Paral
13	2.213M	29.6	+0.1	+0.1	+9.4	-15.9	+0.0	23.3	29.5	-6.2	Paral
14	21.722M	29.8	+0.2	+0.3	+7.7	-15.9	+0.0	22.1	29.5	-7.4	Paral
15	4.362M QP	28.1	+0.1	+0.2	+9.2	-15.9	+0.0	21.7	29.5	-7.8	Paral
^	4.362M	36.6	+0.1	+0.2	+9.2	-15.9	+0.0	30.2	29.5	+0.7	Paral
17	10.068M QP	27.9	+0.1	+0.2	+9.1	-15.9	+0.0	21.4	29.5	-8.1	Paral
^	10.068M	33.0	+0.1	+0.2	+9.1	-15.9	+0.0	26.5	29.5	-3.0	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 15:12:28 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 235 Parallel
Overhead Site 1 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	15:20:36
Equipment:	**BPL MV Gateway**	Sequence#:	236
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 3: 10 meters out from medium voltage lines the BPL is connected to 9.38 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

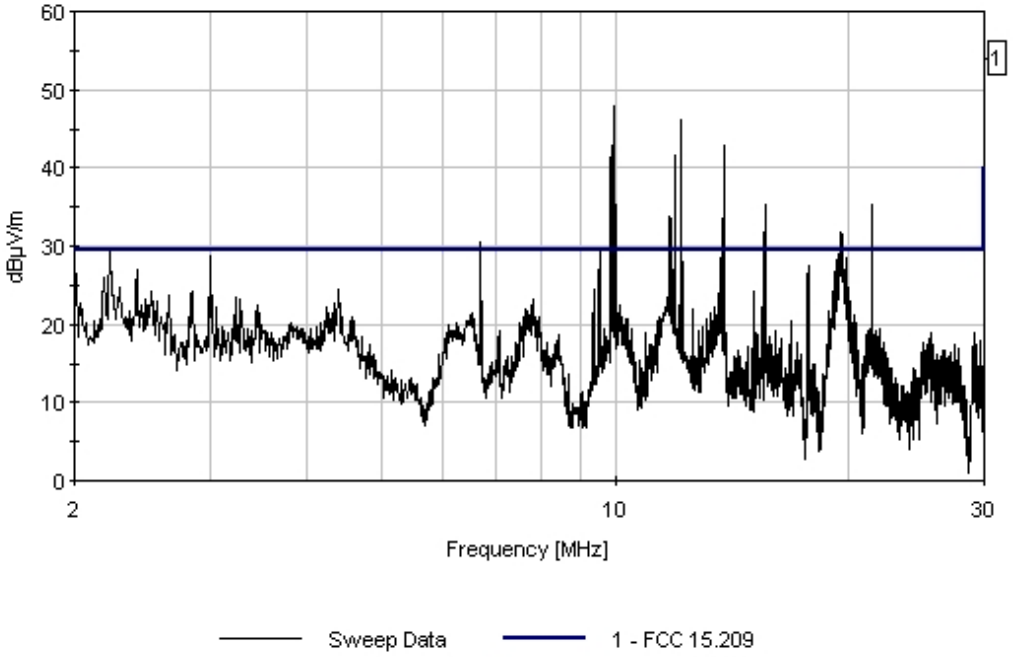
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	19.532M QP	36.7	+0.2	+0.3	+8.1	-15.9	+0.0	29.4	29.5	-0.1	Perpe
^	19.532M	39.3	+0.2	+0.3	+8.1	-15.9	+0.0	32.0	29.5	+2.5	Perpe
3	19.690M QP	36.6	+0.2	+0.3	+8.1	-15.9	+0.0	29.3	29.5	-0.2	Perpe
^	19.690M	39.3	+0.2	+0.3	+8.1	-15.9	+0.0	32.0	29.5	+2.5	Perpe
5	19.845M QP	34.0	+0.2	+0.3	+8.1	-15.9	+0.0	26.7	29.5	-2.8	Perpe
^	19.845M	36.5	+0.2	+0.3	+8.1	-15.9	+0.0	29.2	29.5	-0.3	Perpe

7	19.222M QP	32.4	+0.2	+0.3	+8.2	-15.9	+0.0	25.2	29.5	-4.3	Perpe
^	19.222M	34.8	+0.2	+0.3	+8.2	-15.9	+0.0	27.6	29.5	-1.9	Perpe
9	2.578M	27.8	+0.1	+0.1	+9.3	-15.9	+0.0	21.4	29.5	-8.1	Perpe
10	2.222M QP	27.0	+0.1	+0.1	+9.4	-15.9	+0.0	20.7	29.5	-8.8	Perpe
^	2.222M	33.7	+0.1	+0.1	+9.4	-15.9	+0.0	27.4	29.5	-2.1	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 15:20:36 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 236 Perpendicular
Overhead Site 1 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	15:26:18
Equipment:	**BPL MV Gateway**	Sequence#:	237
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 4: 10 meters out from medium voltage lines the BPL is connected to 14.06 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

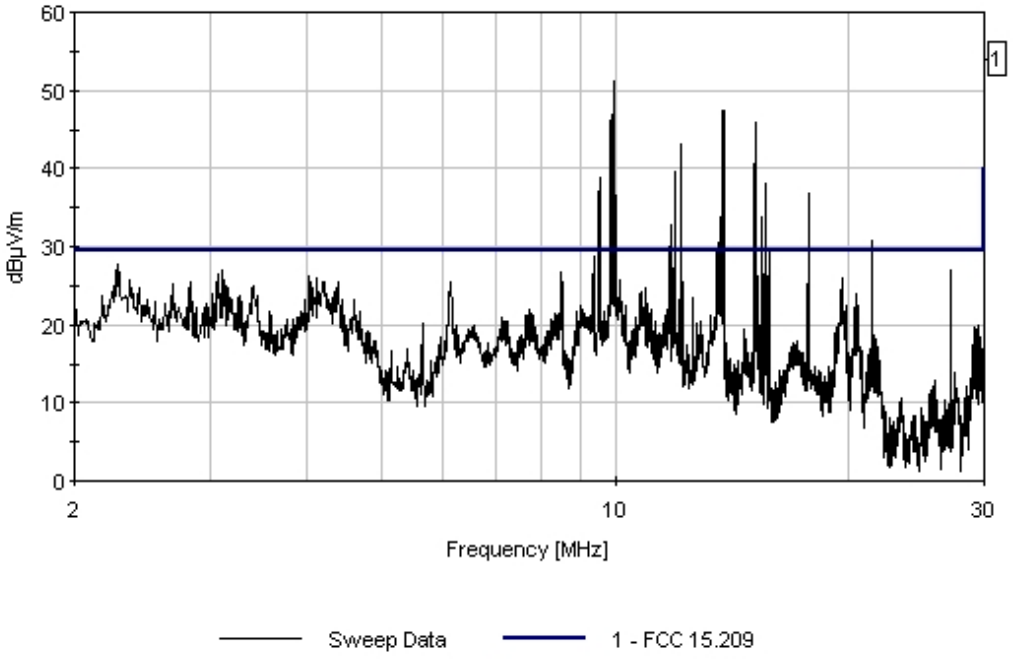
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.175M	31.7	+0.1	+0.2	+9.2	-15.9	+0.0	25.3	29.5	-4.2	Paral
2	2.280M	31.4	+0.1	+0.1	+9.4	-15.9	+0.0	25.1	29.5	-4.4	Paral
3	19.689M QP	32.0	+0.2	+0.3	+8.1	-15.9	+0.0	24.7	29.5	-4.8	Paral
^	19.689M	33.9	+0.2	+0.3	+8.1	-15.9	+0.0	26.6	29.5	-2.9	Paral
5	3.157M	31.1	+0.1	+0.1	+9.3	-15.9	+0.0	24.7	29.5	-4.8	Paral

6	20.471M	32.0	+0.2	+0.3	+8.0	-15.9	+0.0	24.6	29.5	-4.9	Paral
7	3.750M	28.2	+0.1	+0.2	+9.3	-15.9	+0.0	21.9	29.5	-7.6	Paral
8	4.403M	27.8	+0.1	+0.2	+9.2	-15.9	+0.0	21.3	29.5	-8.2	Paral
9	21.500M	25.8	+0.2	+0.3	+7.7	-15.9	+0.0	18.1	29.5	-11.4	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 15:26:18 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 237 Parallel
Overhead Site 1 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	15:33:15
Equipment:	**BPL MV Gateway**	Sequence#:	238
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 4: 10 meters out from medium voltage lines the BPL is connected to 14.06 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

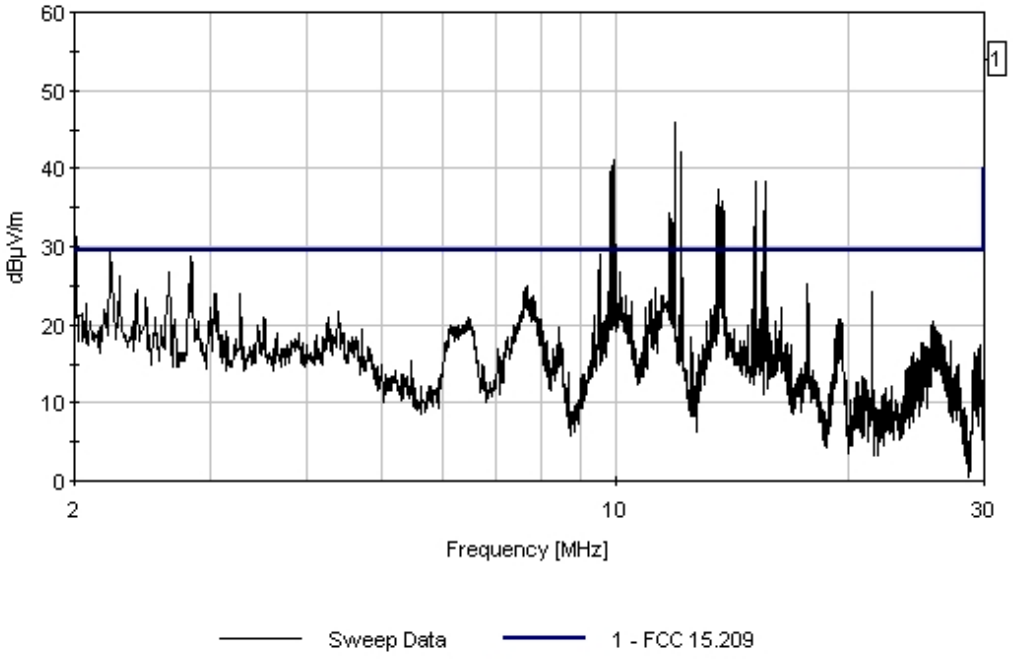
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.163M	31.2	+0.1	+0.2	+9.1	-15.9	+0.0	24.7	29.5	-4.8	Perpe
2	6.430M	30.4	+0.1	+0.1	+9.2	-15.9	+0.0	23.9	29.5	-5.6	Perpe
3	19.532M	30.9	+0.2	+0.3	+8.1	-15.9	+0.0	23.6	29.5	-5.9	Perpe
4	13.438M	29.6	+0.2	+0.2	+8.7	-15.9	+0.0	22.8	29.5	-6.7	Perpe
5	11.439M	29.4	+0.1	+0.2	+8.9	-15.9	+0.0	22.7	29.5	-6.8	Perpe
6	2.068M	28.5	+0.1	+0.1	+9.4	-15.9	+0.0	22.2	29.5	-7.3	Perpe

7 QP	7.813M	28.6	+0.1	+0.2	+9.1	-15.9	+0.0	22.1	29.5	-7.4	Perpe
^	7.813M	33.7	+0.1	+0.2	+9.1	-15.9	+0.0	27.2	29.5	-2.3	Perpe
9	2.898M	27.4	+0.1	+0.1	+9.3	-15.9	+0.0	21.0	29.5	-8.5	Perpe
10	16.410M	27.0	+0.2	+0.2	+8.4	-15.9	+0.0	19.9	29.5	-9.6	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 15:33:15 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 238 Perpendicular
Overhead Site 1 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	15:40:01
Equipment:	**BPL MV Gateway**	Sequence#:	239
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 5: 10 meters out from medium voltage lines the BPL is connected to 18.75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

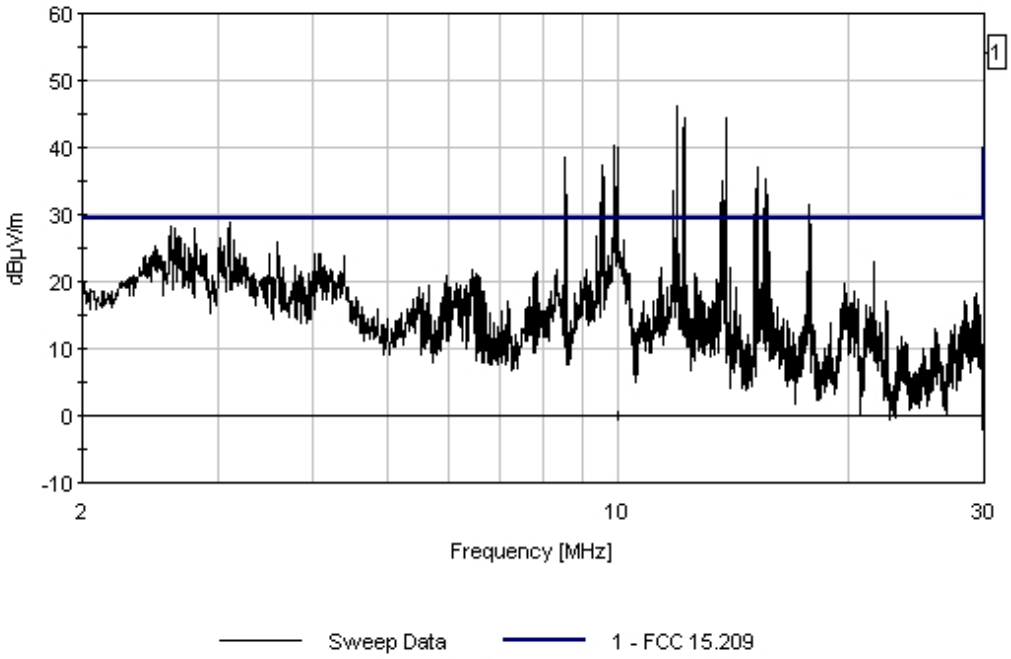
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.069M	31.5	+0.1	+0.2	+9.2	-15.9	+0.0	25.1	29.5	-4.4	Paral
2	3.194M	31.2	+0.1	+0.1	+9.3	-15.9	+0.0	24.8	29.5	-4.7	Paral
3	9.691M	30.6	+0.1	+0.2	+9.1	-15.9	+0.0	24.1	29.5	-5.4	Paral
4	10.160M QP	30.5	+0.1	+0.2	+9.1	-15.9	+0.0	24.0	29.5	-5.5	Paral
^	10.160M	33.0	+0.1	+0.2	+9.1	-15.9	+0.0	26.5	29.5	-3.0	Paral
6	2.655M QP	24.8	+0.1	+0.1	+9.3	-15.9	+0.0	18.4	29.5	-11.1	Paral
^	2.655M	35.5	+0.1	+0.1	+9.3	-15.9	+0.0	29.1	29.5	-0.4	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 15:40:01 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 239 Parallel
Overhead Site 1 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	15:48:16
Equipment:	**BPL MV Gateway**	Sequence#:	240
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 5: 10 meters out from medium voltage lines the BPL is connected to 18.75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

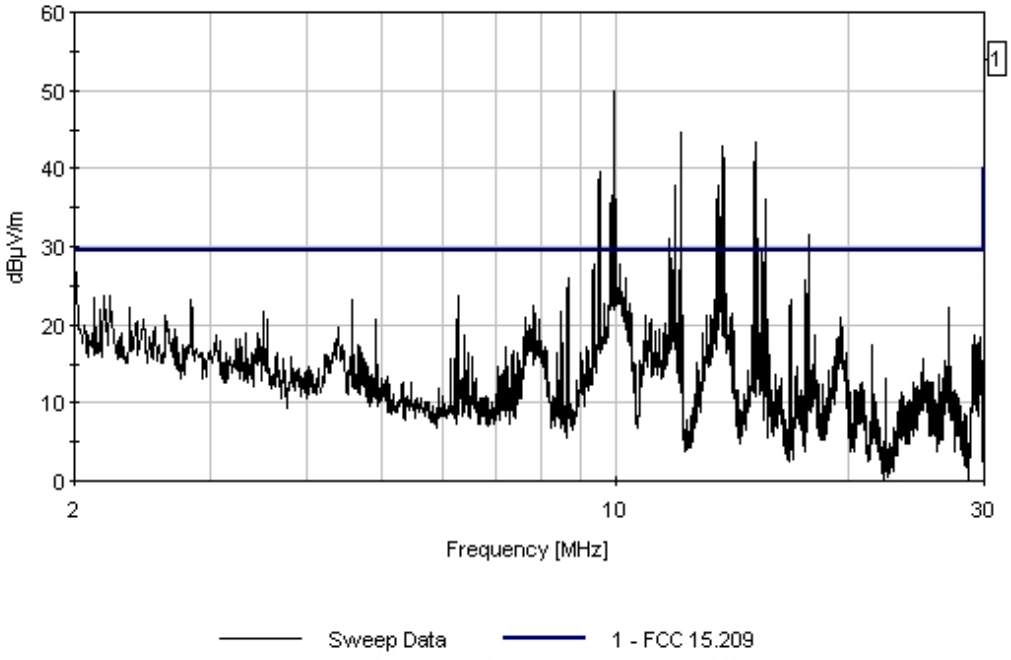
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.160M QP	32.5	+0.1	+0.2	+9.1	-15.9	+0.0	26.0	29.5	-3.5	Perpe
^	10.160M	34.9	+0.1	+0.2	+9.1	-15.9	+0.0	28.4	29.5	-1.1	Perpe
3	6.259M	30.3	+0.1	+0.1	+9.2	-15.9	+0.0	23.8	29.5	-5.7	Perpe
4	13.437M	30.6	+0.2	+0.2	+8.7	-15.9	+0.0	23.7	29.5	-5.8	Perpe
5	2.184M	29.9	+0.1	+0.1	+9.4	-15.9	+0.0	23.6	29.5	-5.9	Perpe
6	14.068M	28.2	+0.2	+0.2	+8.7	-15.9	+0.0	21.4	29.5	-8.1	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 15:48:16 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 240 Perpendicular
Overhead Site 1 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	15:56:20
Equipment:	**BPL MV Gateway**	Sequence#:	241
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 6: 10 meters out from medium voltage lines the BPL is connected to 21.13 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

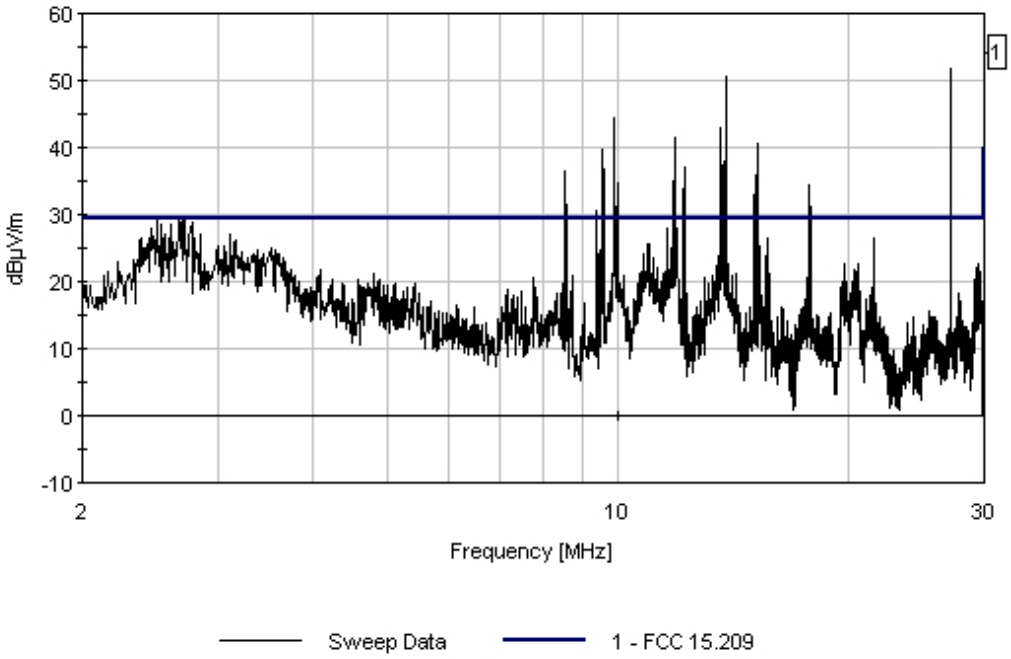
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.940M	31.7	+0.1	+0.2	+9.0	-15.9	+0.0	25.1	29.5	-4.4	Paral
2	3.271M	30.1	+0.1	+0.1	+9.3	-15.9	+0.0	23.7	29.5	-5.8	Paral
3	13.434M	30.3	+0.2	+0.2	+8.7	-15.9	+0.0	23.5	29.5	-6.0	Paral
4	11.245M	29.2	+0.1	+0.2	+9.0	-15.9	+0.0	22.6	29.5	-6.9	Paral
5	2.533M QP	28.6	+0.1	+0.1	+9.3	-15.9	+0.0	22.2	29.5	-7.3	Paral
^	2.533M	33.7	+0.1	+0.1	+9.3	-15.9	+0.0	27.3	29.5	-2.2	Paral
7	14.059M	28.6	+0.2	+0.2	+8.7	-15.9	+0.0	21.8	29.5	-7.7	Paral
8	10.619M	28.4	+0.1	+0.2	+9.0	-15.9	+0.0	21.8	29.5	-7.7	Paral
9	13.907M	28.0	+0.2	+0.2	+8.7	-15.9	+0.0	21.2	29.5	-8.3	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 15:56:20 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 241 Parallel
Overhead Site 1 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:02:02
Equipment:	**BPL MV Gateway**	Sequence#:	242
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1 Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 6: 10 meters out from medium voltage lines; the BPL is connected 21.13 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

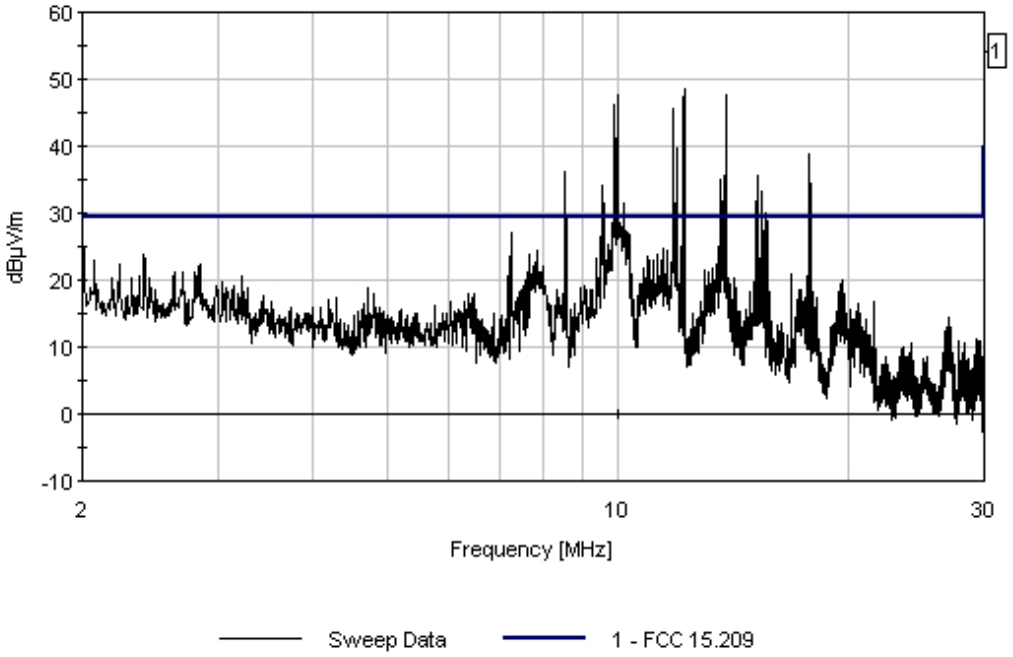
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.156M QP	35.9	+0.1	+0.2	+9.1	-15.9	+0.0	29.4	29.5	-0.1	Perpe
^	10.156M	38.1	+0.1	+0.2	+9.1	-15.9	+0.0	31.6	29.5	+2.1	Perpe
3	10.080M QP	32.9	+0.1	+0.2	+9.1	-15.9	+0.0	26.4	29.5	-3.1	Perpe
^	10.080M	34.8	+0.1	+0.2	+9.1	-15.9	+0.0	28.3	29.5	-1.2	Perpe
5	10.311M QP	31.9	+0.1	+0.2	+9.1	-15.9	+0.0	25.4	29.5	-4.1	Perpe
^	10.311M	34.7	+0.1	+0.2	+9.1	-15.9	+0.0	28.2	29.5	-1.3	Perpe

7	11.406M	31.7	+0.1	+0.2	+8.9	-15.9	+0.0	25.0	29.5	-4.5	Perpe
8	7.654M	31.4	+0.1	+0.2	+9.1	-15.9	+0.0	24.9	29.5	-4.6	Perpe
9	13.437M QP	27.9	+0.2	+0.2	+8.7	-15.9	+0.0	21.1	29.5	-8.4	Perpe
^	13.437M	32.4	+0.2	+0.2	+8.7	-15.9	+0.0	25.6	29.5	-3.9	Perpe
11	14.847M	24.6	+0.2	+0.2	+8.6	-15.9	+0.0	17.7	29.5	-11.8	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:02:02 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 242 Perpendicular
Overhead Site 1 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:17:44
Equipment:	**BPL MV Gateway**	Sequence#:	243
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 7: 10 meters out from medium voltage lines the BPL is connected to 37.5 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

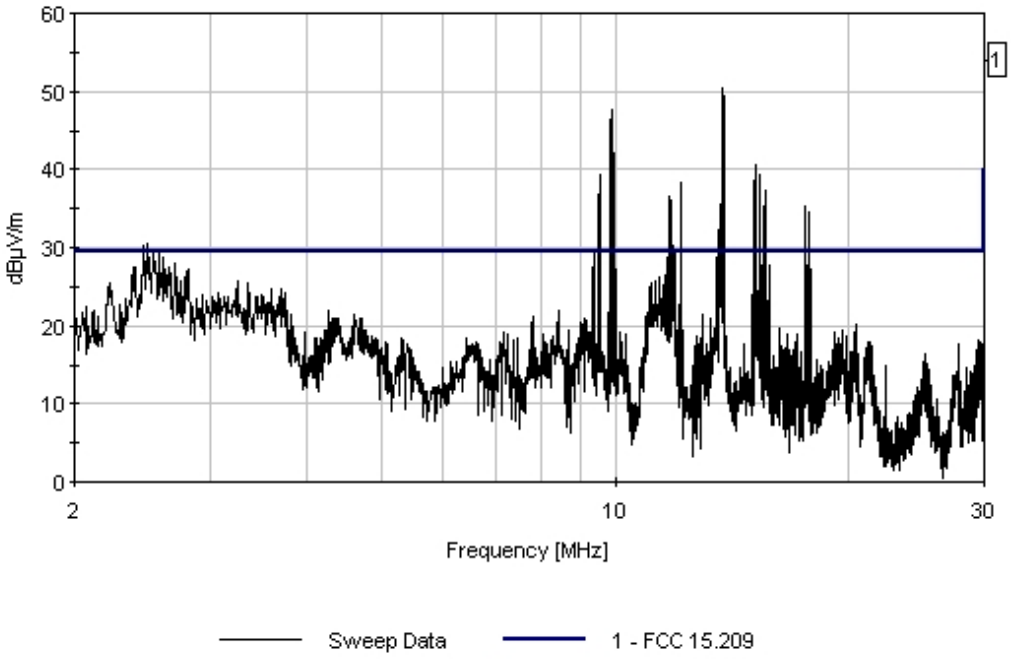
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.410M QP	31.4	+0.1	+0.2	+8.9	-15.9	+0.0	24.7	29.5	-4.8	Paral
^	11.410M	35.2	+0.1	+0.2	+8.9	-15.9	+0.0	28.5	29.5	-1.0	Paral
3	11.100M QP	30.3	+0.1	+0.2	+9.0	-15.9	+0.0	23.7	29.5	-5.8	Paral
^	11.100M	33.7	+0.1	+0.2	+9.0	-15.9	+0.0	27.1	29.5	-2.4	Paral
5	2.491M QP	28.8	+0.1	+0.1	+9.4	-15.9	+0.0	22.5	29.5	-7.0	Paral
^	2.491M	35.7	+0.1	+0.1	+9.4	-15.9	+0.0	29.4	29.5	-0.1	Paral
7	2.803M QP	26.2	+0.1	+0.1	+9.3	-15.9	+0.0	19.8	29.5	-9.7	Paral
^	2.803M	35.4	+0.1	+0.1	+9.3	-15.9	+0.0	29.0	29.5	-0.5	Paral
9	16.478M	25.1	+0.2	+0.2	+8.4	-15.9	+0.0	17.9	29.5	-11.6	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:17:44 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 243 Parallel
Overhead Site 1 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:25:12
Equipment:	**BPL MV Gateway**	Sequence#:	244
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 7: 10 meters out from medium voltage lines the BPL is connected to 37.5 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

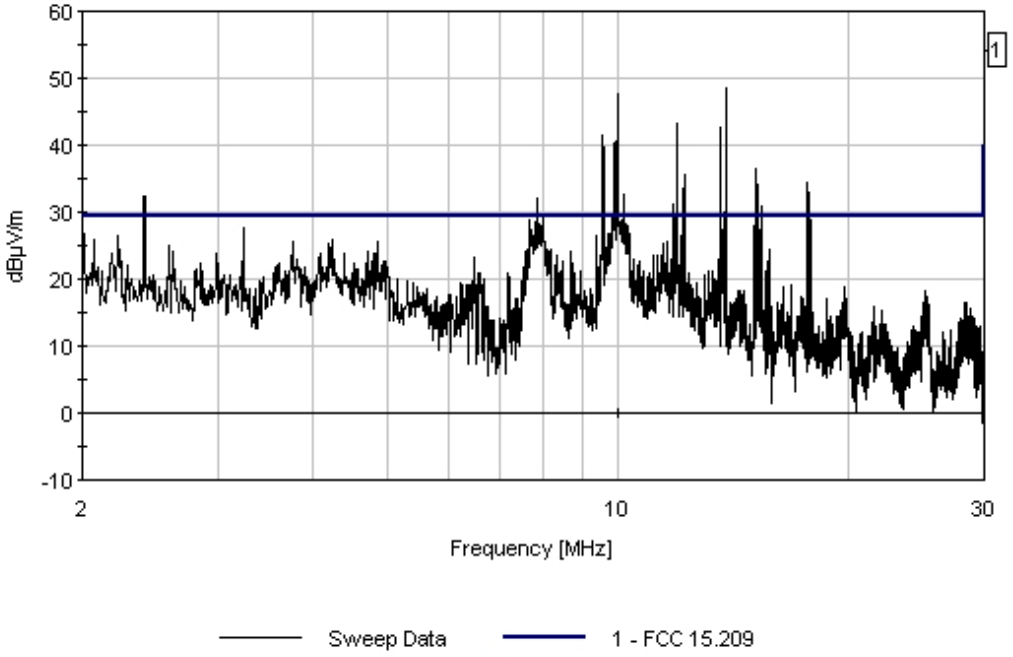
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.157M QP	35.9	+0.1	+0.2	+9.1	-15.9	+0.0	29.4	29.5	-0.1	Perpe
^	10.157M	38.6	+0.1	+0.2	+9.1	-15.9	+0.0	32.1	29.5	+2.6	Perpe
3	7.812M QP	35.9	+0.1	+0.2	+9.1	-15.9	+0.0	29.4	29.5	-0.1	Perpe
^	7.812M	38.7	+0.1	+0.2	+9.1	-15.9	+0.0	32.2	29.5	+2.7	Perpe
5	7.657M QP	32.9	+0.1	+0.2	+9.1	-15.9	+0.0	26.4	29.5	-3.1	Perpe
^	7.657M	35.6	+0.1	+0.2	+9.1	-15.9	+0.0	29.1	29.5	-0.4	Perpe
7	10.311M QP	31.7	+0.1	+0.2	+9.1	-15.9	+0.0	25.2	29.5	-4.3	Perpe
^	10.311M	34.4	+0.1	+0.2	+9.1	-15.9	+0.0	27.9	29.5	-1.6	Perpe

9	9.692M QP	31.1	+0.1	+0.2	+9.1	-15.9	+0.0	24.5	29.5	-5.0	Perpe
^	9.692M	33.9	+0.1	+0.2	+9.1	-15.9	+0.0	27.4	29.5	-2.1	Perpe
11	11.408M QP	30.6	+0.1	+0.2	+8.9	-15.9	+0.0	23.9	29.5	-5.6	Perpe
^	11.408M	33.5	+0.1	+0.2	+8.9	-15.9	+0.0	26.8	29.5	-2.7	Perpe
13	4.533M	27.1	+0.1	+0.1	+9.2	-15.9	+0.0	20.6	29.5	-8.9	Perpe
14	2.420M	26.7	+0.1	+0.1	+9.4	-15.9	+0.0	20.4	29.5	-9.1	Perpe
15	3.693M	25.6	+0.1	+0.2	+9.3	-15.9	+0.0	19.3	29.5	-10.2	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:25:12 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 244 Perpendicular
Overhead Site 1 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:31:44
Equipment:	**BPL MV Gateway**	Sequence#:	245
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 8: 10 meters out from medium voltage lines the BPL is connected to 46.88 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

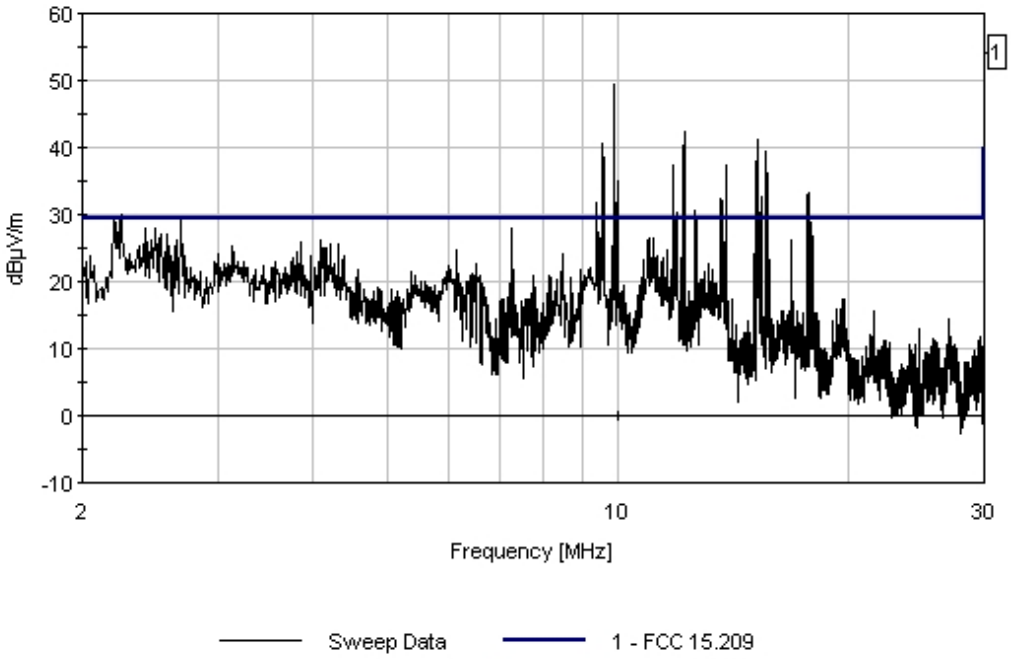
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.938M QP	31.6	+0.1	+0.2	+9.0	-15.9	+0.0	25.0	29.5	-4.5	Paral
^	10.938M	34.1	+0.1	+0.2	+9.0	-15.9	+0.0	27.5	29.5	-2.0	Paral
3	4.310M	30.5	+0.1	+0.2	+9.2	-15.9	+0.0	24.1	29.5	-5.4	Paral
4	10.985M	28.8	+0.1	+0.2	+9.0	-15.9	+0.0	22.2	29.5	-7.3	Paral
5	2.240M QP	28.1	+0.1	+0.1	+9.4	-15.9	+0.0	21.8	29.5	-7.7	Paral
^	2.240M	33.0	+0.1	+0.1	+9.4	-15.9	+0.0	26.7	29.5	-2.8	Paral
7	2.484M QP	27.9	+0.1	+0.1	+9.4	-15.9	+0.0	21.6	29.5	-7.9	Paral
^	2.484M	38.1	+0.1	+0.1	+9.4	-15.9	+0.0	31.8	29.5	+2.3	Paral
9	3.395M	27.9	+0.1	+0.1	+9.3	-15.9	+0.0	21.5	29.5	-8.0	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:31:44 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 245 Parallel
Overhead Site 1 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:40:46
Equipment:	**BPL MV Gateway**	Sequence#:	246
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 8: 10 meters out from medium voltage lines the BPL is connected to 46.88 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

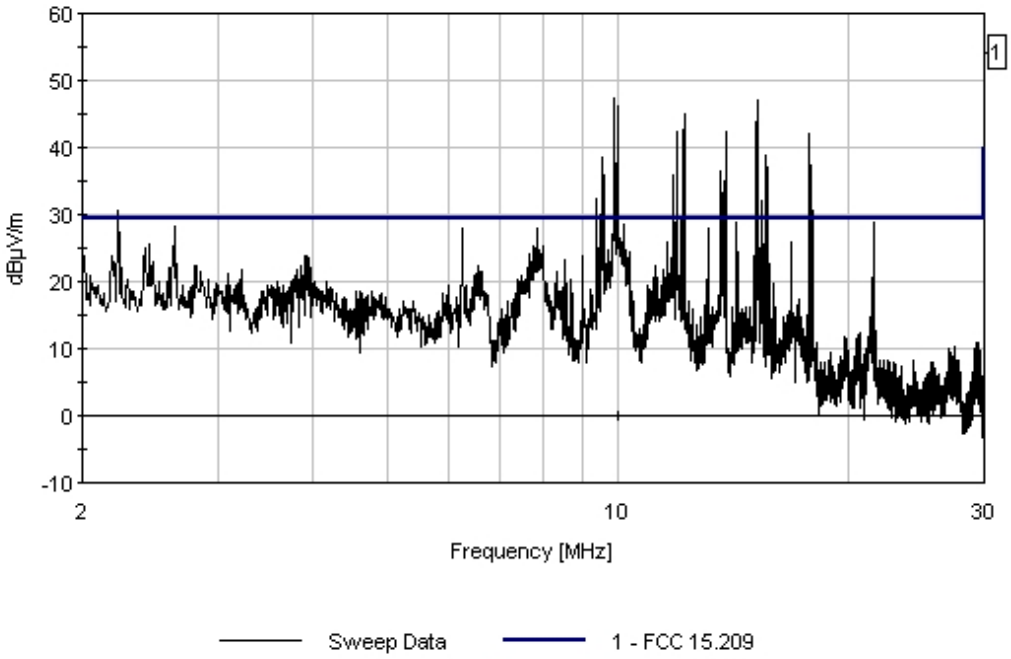
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.038M	31.0	+0.1	+0.2	+9.1	-15.9	+0.0	24.5	29.5	-5.0	Perpe
2	10.038M	31.0	+0.1	+0.2	+9.1	-15.9	+0.0	24.5	29.5	-5.0	Perpe
3 QP	7.811M	30.8	+0.1	+0.2	+9.1	-15.9	+0.0	24.3	29.5	-5.2	Perpe
^	7.811M	35.6	+0.1	+0.2	+9.1	-15.9	+0.0	29.1	29.5	-0.4	Perpe
^	7.811M	35.6	+0.1	+0.2	+9.1	-15.9	+0.0	29.1	29.5	-0.4	Perpe
6 QP	7.811M	30.8	+0.1	+0.2	+9.1	-15.9	+0.0	24.3	29.5	-5.2	Perpe
7	7.638M	29.3	+0.1	+0.2	+9.1	-15.9	+0.0	22.8	29.5	-6.7	Perpe
8	7.638M	29.3	+0.1	+0.2	+9.1	-15.9	+0.0	22.8	29.5	-6.7	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:40:46 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 246 Perpendicular
Overhead Site 1 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:50:18
Equipment:	**BPL MV Gateway**	Sequence#:	247
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 9: 10 meters out from medium voltage lines the BPL is connected to 56.25 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

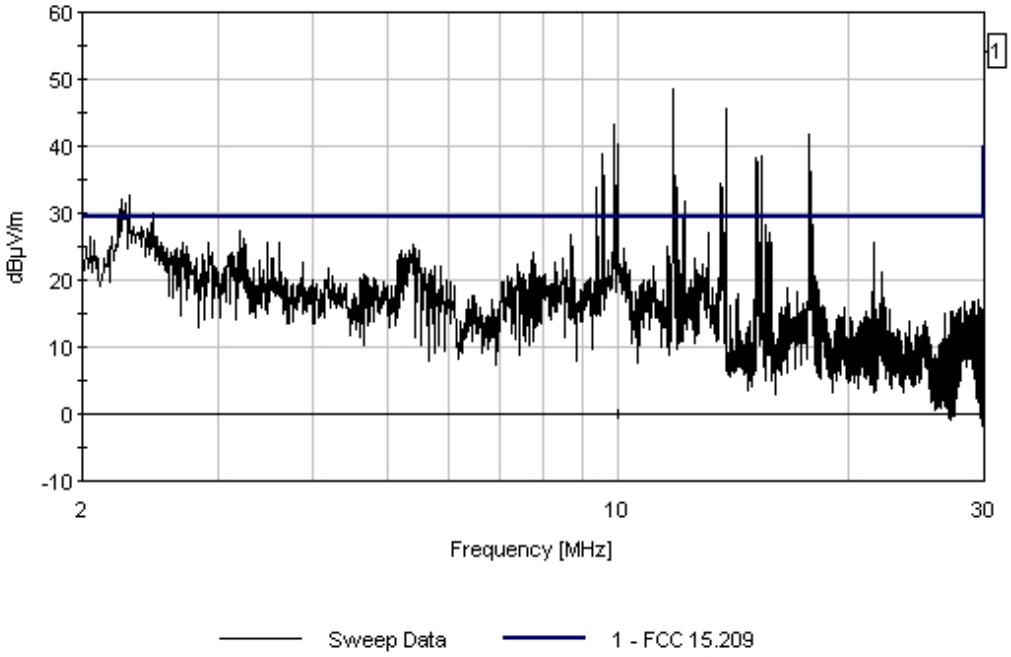
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.315M	31.5	+0.1	+0.1	+9.4	-15.9	+0.0	25.2	29.5	-4.3	Paral
^	2.315M	37.7	+0.1	+0.1	+9.4	-15.9	+0.0	31.4	29.5	+1.9	Paral
3	3.423M	29.9	+0.1	+0.1	+9.3	-15.9	+0.0	23.5	29.5	-6.0	Paral
4	7.393M	29.8	+0.1	+0.2	+9.2	-15.9	+0.0	23.4	29.5	-6.1	Paral
5 QP	2.709M	28.4	+0.1	+0.1	+9.3	-15.9	+0.0	22.0	29.5	-7.5	Paral
^	2.709M	34.1	+0.1	+0.1	+9.3	-15.9	+0.0	27.7	29.5	-1.8	Paral

7	5.440M QP	27.4	+0.1	+0.1	+9.2	-15.9	+0.0	20.9	29.5	-8.6	Paral
^	5.440M	32.7	+0.1	+0.1	+9.2	-15.9	+0.0	26.2	29.5	-3.3	Paral
9	12.915M	27.3	+0.2	+0.2	+8.8	-15.9	+0.0	20.6	29.5	-8.9	Paral
10	10.920M	25.8	+0.1	+0.2	+9.0	-15.9	+0.0	19.2	29.5	-10.3	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:50:18 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 247 Parallel
Overhead Site 1 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:52:25
Equipment:	**BPL MV Gateway**	Sequence#:	248
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 9: 10 meters out from medium voltage lines the BPL is connected to 56.25 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

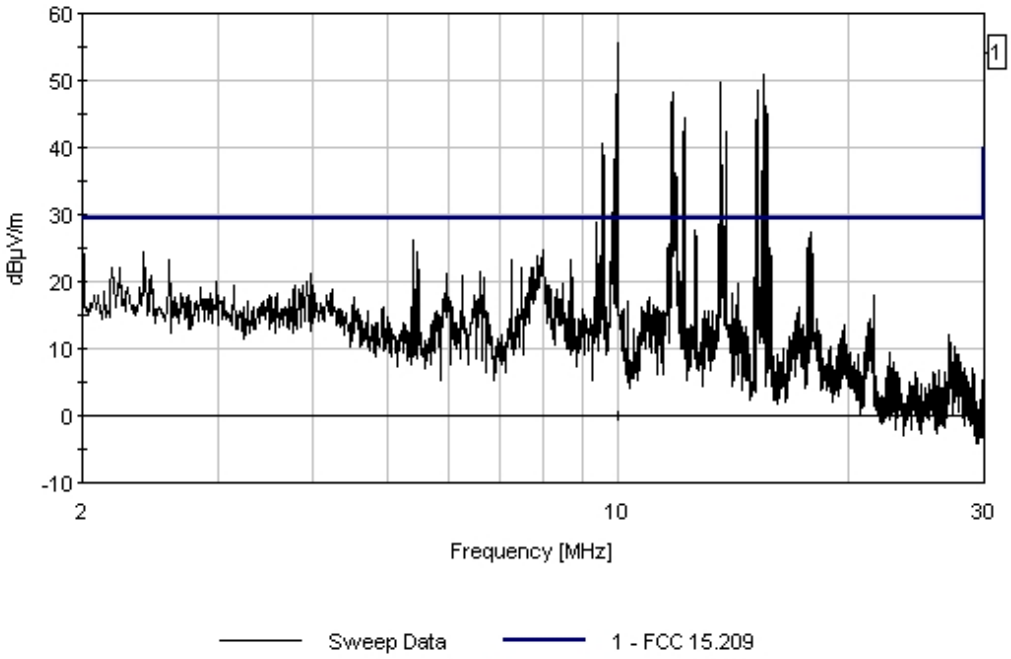
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	15.787M	32.1	+0.2	+0.2	+8.5	-15.9	+0.0	25.1	29.5	-4.4	Perpe
2	7.988M	31.2	+0.1	+0.2	+9.1	-15.9	+0.0	24.7	29.5	-4.8	Perpe
3	9.505M	31.2	+0.1	+0.2	+9.1	-15.9	+0.0	24.7	29.5	-4.8	Perpe
4	11.586M	31.0	+0.1	+0.2	+8.9	-15.9	+0.0	24.3	29.5	-5.2	Perpe
5	7.835M	28.7	+0.1	+0.2	+9.1	-15.9	+0.0	22.2	29.5	-7.3	Perpe
6	6.601M	27.2	+0.1	+0.2	+9.2	-15.9	+0.0	20.8	29.5	-8.7	Perpe
7	5.936M	23.3	+0.1	+0.1	+9.2	-15.9	+0.0	16.8	29.5	-12.7	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:52:25 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 248 Perpendicular
Overhead Site 1 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:56:40
Equipment:	**BPL MV Gateway**	Sequence#:	249
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 10: 10 meters out from medium voltage lines the BPL is connected to 65.63 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

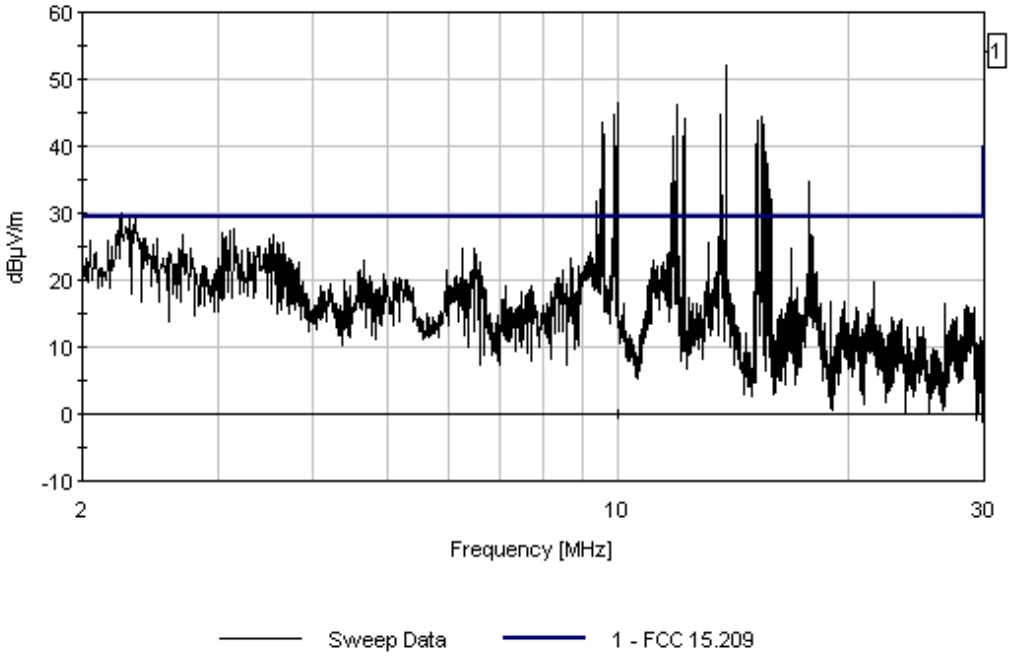
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.298M	34.6	+0.1	+0.1	+9.4	-15.9	+0.0	28.3	29.5	-1.2	Paral
^	2.298M	40.1	+0.1	+0.1	+9.4	-15.9	+0.0	33.8	29.5	+4.3	Paral
3	3.762M	30.1	+0.1	+0.2	+9.3	-15.9	+0.0	23.8	29.5	-5.7	Paral
4 QP	3.547M	28.7	+0.1	+0.2	+9.3	-15.9	+0.0	22.4	29.5	-7.1	Paral
^	3.547M	33.8	+0.1	+0.2	+9.3	-15.9	+0.0	27.5	29.5	-2.0	Paral
6	9.222M	27.4	+0.1	+0.2	+9.1	-15.9	+0.0	20.9	29.5	-8.6	Paral

7 QP	2.677M	26.7	+0.1	+0.1	+9.3	-15.9	+0.0	20.3	29.5	-9.2	Paral
^	2.677M	32.0	+0.1	+0.1	+9.3	-15.9	+0.0	25.6	29.5	-3.9	Paral
9	6.440M	24.5	+0.1	+0.1	+9.2	-15.9	+0.0	18.0	29.5	-11.5	Paral
10	11.575M	19.7	+0.1	+0.2	+8.9	-15.9	+0.0	13.0	29.5	-16.5	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:56:40 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 249 Parallel
Overhead Site 1 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	16:58:54
Equipment:	**BPL MV Gateway**	Sequence#:	250
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 10: 10 meters out from medium voltage lines the BPL is connected to 65.63 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

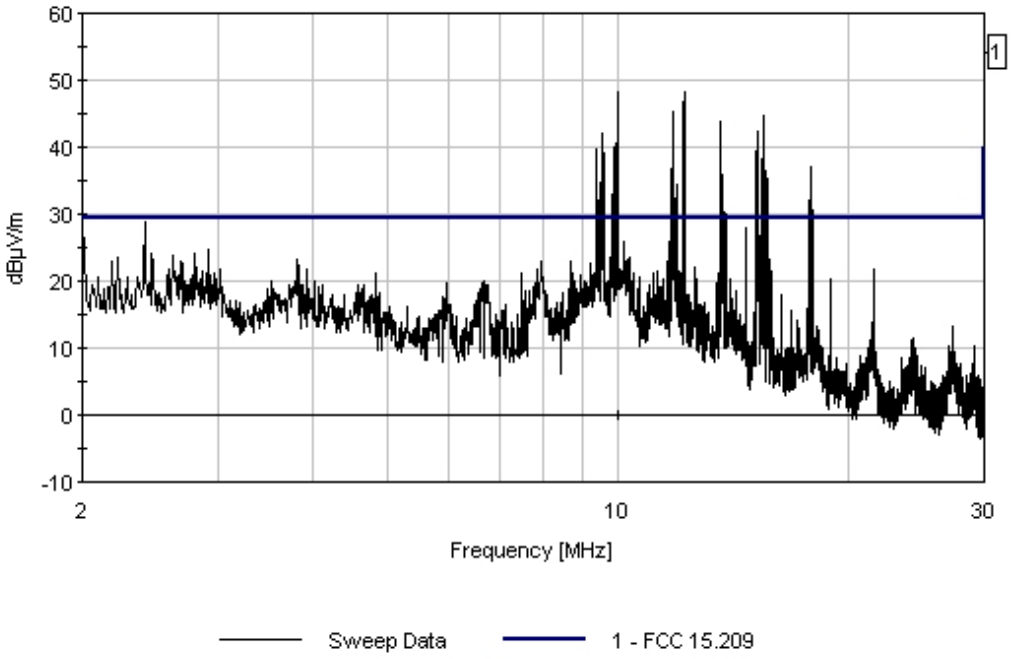
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.138M	31.1	+0.1	+0.2	+9.1	-15.9	+0.0	24.6	29.5	-4.9	Perpe
2	11.563M	28.6	+0.1	+0.2	+8.9	-15.9	+0.0	21.9	29.5	-7.6	Perpe
3	2.233M	27.3	+0.1	+0.1	+9.4	-15.9	+0.0	21.0	29.5	-8.5	Perpe
4	9.070M	27.3	+0.1	+0.2	+9.1	-15.9	+0.0	20.8	29.5	-8.7	Perpe
5	7.870M	26.5	+0.1	+0.2	+9.1	-15.9	+0.0	20.0	29.5	-9.5	Perpe
6	6.670M	25.2	+0.1	+0.2	+9.2	-15.9	+0.0	18.8	29.5	-10.7	Perpe
7	14.300M	24.3	+0.2	+0.2	+8.7	-15.9	+0.0	17.4	29.5	-12.1	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 16:58:54 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 250 Perpendicular
Overhead Site 1 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	17:04:36
Equipment:	**BPL MV Gateway**	Sequence#:	251
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1: Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is 40*LOG(30/12) = -15.9dB. Test Position 11: 10 meters out from medium voltage lines the BPL is connected to 75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

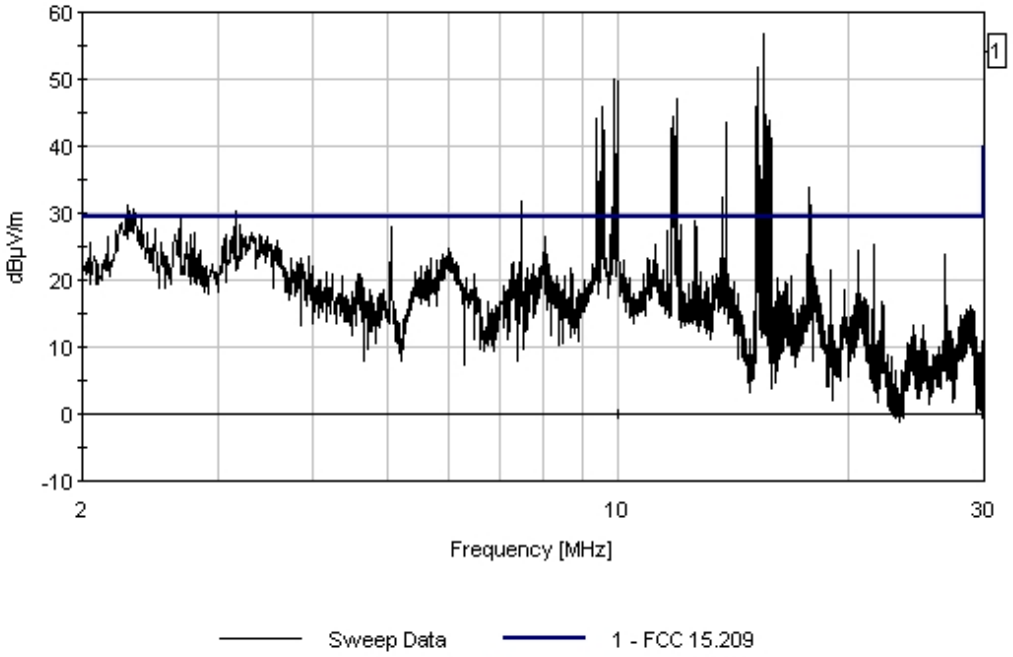
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.260M	31.9	+0.1	+0.1	+9.4	-15.9	+0.0	25.6	29.5	-3.9	Paral
^	2.260M	37.2	+0.1	+0.1	+9.4	-15.9	+0.0	30.9	29.5	+1.4	Paral
3	3.610M	31.3	+0.1	+0.2	+9.3	-15.9	+0.0	24.9	29.5	-4.6	Paral
4	11.238M	29.7	+0.1	+0.2	+9.0	-15.9	+0.0	23.1	29.5	-6.4	Paral
5	13.513M	29.8	+0.2	+0.2	+8.7	-15.9	+0.0	23.0	29.5	-6.5	Paral
6	5.950M	28.6	+0.1	+0.1	+9.2	-15.9	+0.0	22.1	29.5	-7.4	Paral
7	7.940M	27.7	+0.1	+0.2	+9.1	-15.9	+0.0	21.2	29.5	-8.3	Paral

8 QP	3.144M	26.9	+0.1	+0.1	+9.3	-15.9	+0.0	20.5	29.5	-9.0	Paral
^	3.144M	35.7	+0.1	+0.1	+9.3	-15.9	+0.0	29.3	29.5	-0.2	Paral
10 QP	2.630M	25.7	+0.1	+0.1	+9.3	-15.9	+0.0	19.3	29.5	-10.2	Paral
^	2.630M	34.2	+0.1	+0.1	+9.3	-15.9	+0.0	27.8	29.5	-1.7	Paral
12	9.885M	25.6	+0.1	+0.2	+9.1	-15.9	+0.0	19.1	29.5	-10.4	Paral

LV Overhead Test Site #1 Date: 4/27/2006 Time: 17:04:36 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 251 Parallel
Overhead Site 1 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #1 •Frisco Street west of Winchell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/27/2006
Test Type:	**Radiated Scan**	Time:	17:08:19
Equipment:	**BPL MV Gateway**	Sequence#:	252
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Test Equipment*:**

Function	S/N	Calibration Date	Cal Due Date	Asset #
SA HP 8596E	3346A00209	11/22/2004	11/22/2006	00784
Cable	none	12/02/2005	12/02/2007	P05440
Cable	none	07/07/2004	06/07/2006	P02410
Mag Loop EMCO 6502	2078	05/13/2005	05/13/2007	00432

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #1 Frisco Street west of Winchell Street, Houston, TX. Unit on pole one pole west of streetlight pole # 289600. Low voltage wires are 25 feet above the street or 7.62 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 12 meters. Slant Distance and Test Distance correction factor is -20*LOG(10/12) = 1.6dB Test Position 11: 10 meters out from medium voltage lines the BPL is connected 75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

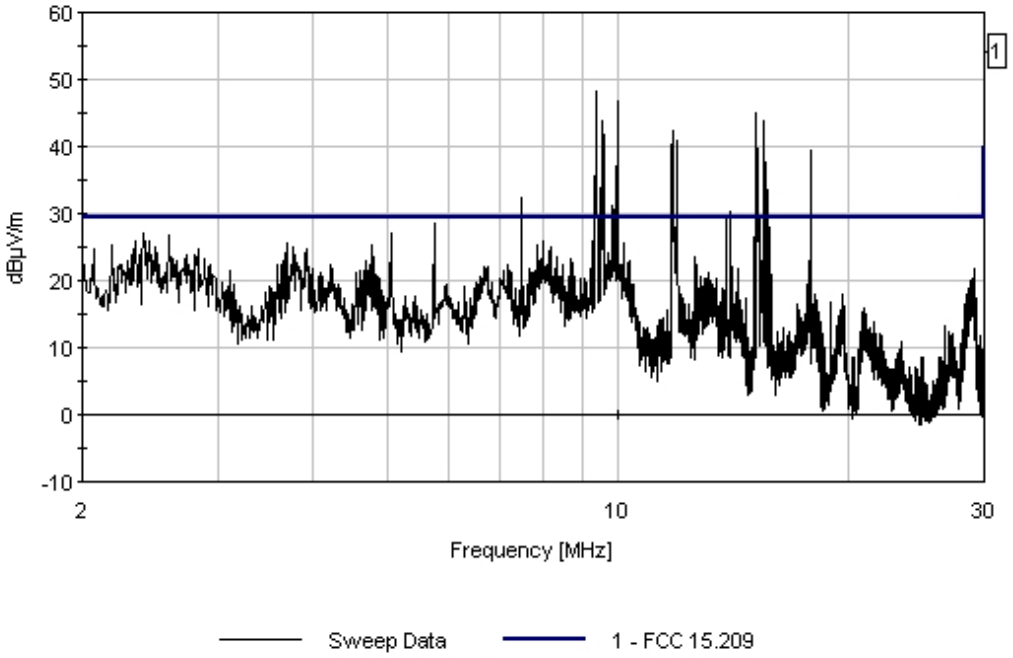
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=Slant Distance S1 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.158M	32.2	+0.1	+0.2	+9.1	-15.9	+0.0	25.7	29.5	-3.8	Perpe
2	7.833M	31.6	+0.1	+0.2	+9.1	-15.9	+0.0	25.1	29.5	-4.4	Perpe
3	3.804M	31.4	+0.1	+0.2	+9.3	-15.9	+0.0	25.1	29.5	-4.4	Perpe
4	2.435M	31.4	+0.1	+0.1	+9.4	-15.9	+0.0	25.1	29.5	-4.4	Perpe
5	8.282M	31.1	+0.1	+0.2	+9.1	-15.9	+0.0	24.6	29.5	-4.9	Perpe
6	10.150M	30.8	+0.1	+0.2	+9.1	-15.9	+0.0	24.3	29.5	-5.2	Perpe

7	13.300M	28.4	+0.2	+0.2	+8.7	-15.9	+0.0	21.6	29.5	-7.9	Perpe
8	28.950M	30.1	+0.3	+0.3	+5.4	-15.9	+0.0	20.2	29.5	-9.3	Perpe
9	14.113M	26.6	+0.2	+0.2	+8.7	-15.9	+0.0	19.8	29.5	-9.7	Perpe
10	2.718M QP	25.8	+0.1	+0.1	+9.3	-15.9	+0.0	19.4	29.5	-10.1	Perpe
^	2.718M	37.9	+0.1	+0.1	+9.3	-15.9	+0.0	31.5	29.5	+2.0	Perpe
12	9.650M	25.8	+0.1	+0.2	+9.1	-15.9	+0.0	19.3	29.5	-10.2	Perpe

LV Overhead Test Site #1 Date: 4/27/2006 Time: 17:08:19 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 252 Perpendicular
Overhead Site 1 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	12:39:59
Equipment:	**BPL MV Gateway**	Sequence#:	268
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 1: 10 meters out from low voltage lines the BPL is connected directly across from the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

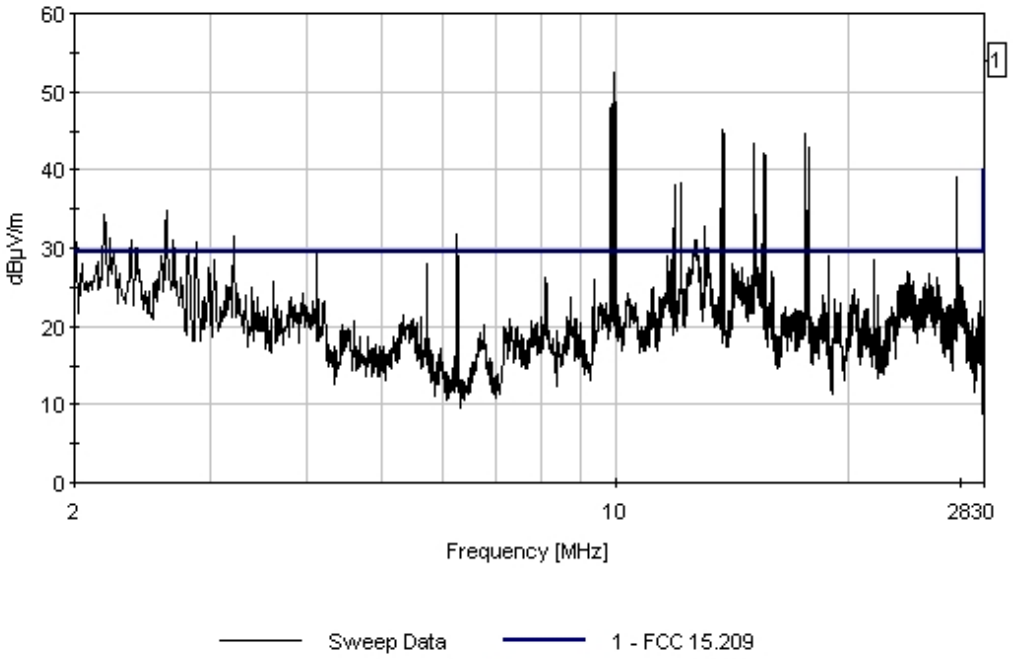
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	12.675M QP	29.9	+0.6	+8.8	-13.9		+0.0	25.4	29.5	-4.1	Perpe
^	12.675M	35.7	+0.6	+8.8	-13.9		+0.0	31.2	29.5	+1.7	Perpe
3	23.280M	31.0	+0.7	+7.3	-13.9		+0.0	25.1	29.5	-4.4	Perpe
4	26.098M QP	31.6	+0.7	+6.5	-13.9		+0.0	24.9	29.5	-4.6	Perpe
^	26.098M	34.4	+0.7	+6.5	-13.9		+0.0	27.7	29.5	-1.8	Perpe
6	27.980M	32.3	+0.8	+5.7	-13.9		+0.0	24.9	29.5	-4.6	Perpe

7	2.315M	25.6	+0.2	+9.4	-13.9	+0.0	21.3	29.5	-8.2	Perpe
8 QP	14.332M	25.7	+0.6	+8.7	-13.9	+0.0	21.1	29.5	-8.4	Perpe
^	14.332M	30.9	+0.6	+8.7	-13.9	+0.0	26.3	29.5	-3.2	Perpe
10	2.628M	24.7	+0.2	+9.3	-13.9	+0.0	20.3	29.5	-9.2	Perpe
11	3.208M	22.1	+0.3	+9.3	-13.9	+0.0	17.8	29.5	-11.7	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 12:39:59 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 268 Perpendicular
Overhead Site 2 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	12:33:42
Equipment:	**BPL MV Gateway**	Sequence#:	267
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 1: 10 meters out from low voltage lines the BPL is connected directly across from the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

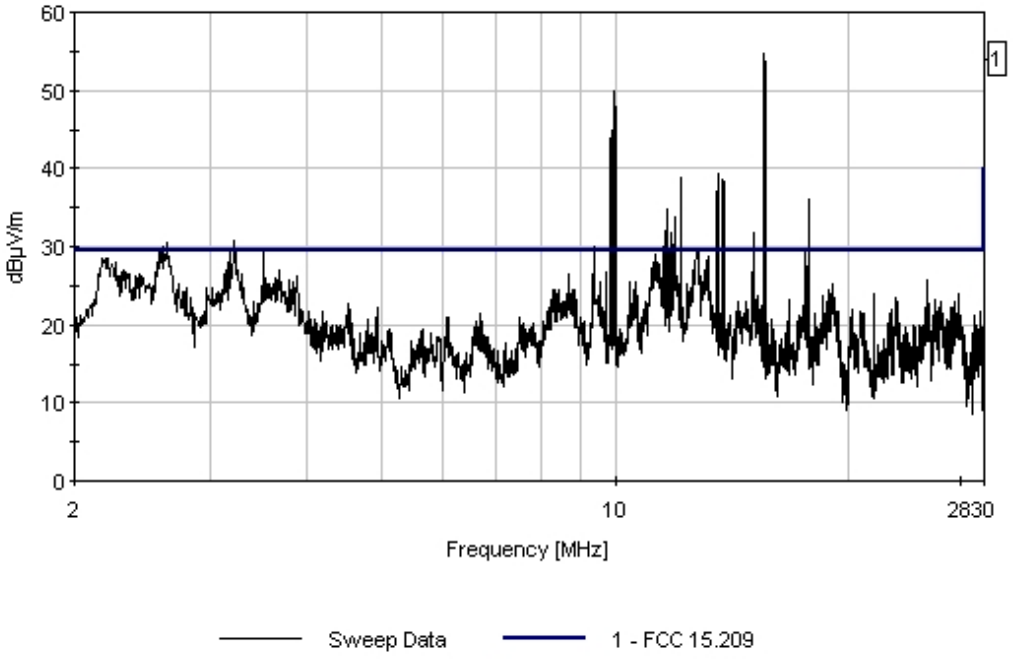
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.189M	29.6	+0.1	+9.4	-13.9		+0.0	25.2	29.5	-4.3	Paral
^	2.189M	36.0	+0.1	+9.4	-13.9		+0.0	31.6	29.5	+2.1	Paral
3	12.976M	29.4	+0.6	+8.8	-13.9		+0.0	24.9	29.5	-4.6	Paral
4	8.907M	27.5	+0.5	+9.1	-13.9		+0.0	23.2	29.5	-6.3	Paral
5 QP	11.358M	26.5	+0.5	+8.9	-13.9		+0.0	22.0	29.5	-7.5	Paral
^	11.358M	32.2	+0.5	+8.9	-13.9		+0.0	27.7	29.5	-1.8	Paral

7 QP	2.502M	26.4	+0.2	+9.3	-13.9	+0.0	22.0	29.5	-7.5	Paral
^	2.502M	32.7	+0.2	+9.3	-13.9	+0.0	28.3	29.5	-1.2	Paral
9 QP	3.192M	22.4	+0.3	+9.3	-13.9	+0.0	18.1	29.5	-11.4	Paral
^	3.192M	35.1	+0.3	+9.3	-13.9	+0.0	30.8	29.5	+1.3	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 12:33:42 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 267 Parallel
Overhead Site 2 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	12:52:25
Equipment:	**BPL MV Gateway**	Sequence#:	269
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 2: 10 meters out from medium voltage lines the BPL is connected to 4.69 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

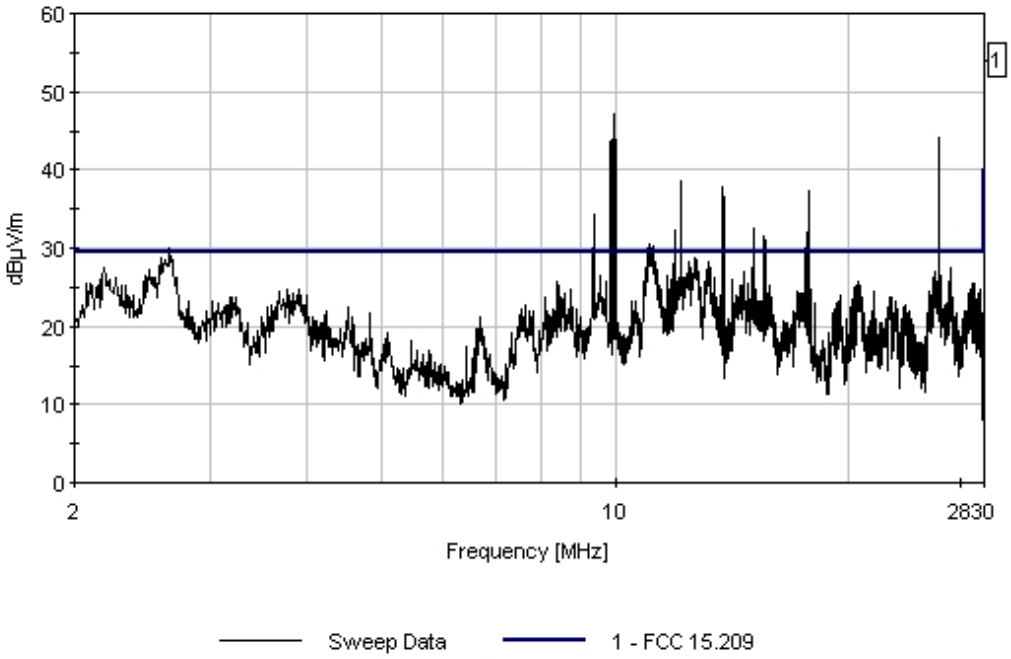
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.163M QP	30.4	+0.5	+9.0	-13.9		+0.0	26.0	29.5	-3.5	Paral
^	11.163M	35.1	+0.5	+9.0	-13.9		+0.0	30.6	29.5	+1.1	Paral
3	12.698M QP	28.9	+0.6	+8.8	-13.9		+0.0	24.4	29.5	-5.1	Paral
^	12.698M	34.2	+0.6	+8.8	-13.9		+0.0	29.7	29.5	+0.2	Paral
5	25.909M QP	30.9	+0.7	+6.5	-13.9		+0.0	24.2	29.5	-5.3	Paral
^	25.909M	35.1	+0.7	+6.5	-13.9		+0.0	28.4	29.5	-1.1	Paral

7	27.184M QP	31.3	+0.7	+6.0	-13.9	+0.0	24.1	29.5	-5.4	Paral
^	27.184M	35.2	+0.7	+6.0	-13.9	+0.0	28.0	29.5	-1.5	Paral
9	28.910M QP	31.3	+0.8	+5.4	-13.9	+0.0	23.6	29.5	-5.9	Paral
^	28.910M	33.3	+0.8	+5.4	-13.9	+0.0	25.6	29.5	-3.9	Paral
11	8.600M	27.1	+0.5	+9.1	-13.9	+0.0	22.8	29.5	-6.7	Paral
12	2.705M	27.1	+0.2	+9.3	-13.9	+0.0	22.7	29.5	-6.8	Paral
13	3.215M	26.7	+0.3	+9.3	-13.9	+0.0	22.3	29.5	-7.2	Paral
14	19.387M	26.9	+0.6	+8.2	-13.9	+0.0	21.8	29.5	-7.7	Paral
15	2.173M	26.1	+0.1	+9.4	-13.9	+0.0	21.7	29.5	-7.8	Paral
16	3.640M	25.8	+0.3	+9.3	-13.9	+0.0	21.5	29.5	-8.0	Paral
17	14.667M QP	25.1	+0.6	+8.6	-13.9	+0.0	20.4	29.5	-9.1	Paral
^	14.667M	31.9	+0.6	+8.6	-13.9	+0.0	27.2	29.5	-2.3	Paral
19	9.590M	24.0	+0.5	+9.1	-13.9	+0.0	19.7	29.5	-9.8	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 12:52:25 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 269 Parallel
Overhead Site 2 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	12:59:25
Equipment:	**BPL MV Gateway**	Sequence#:	270
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 2: 10 meters out from medium voltage lines the BPL is connected to 4.69 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

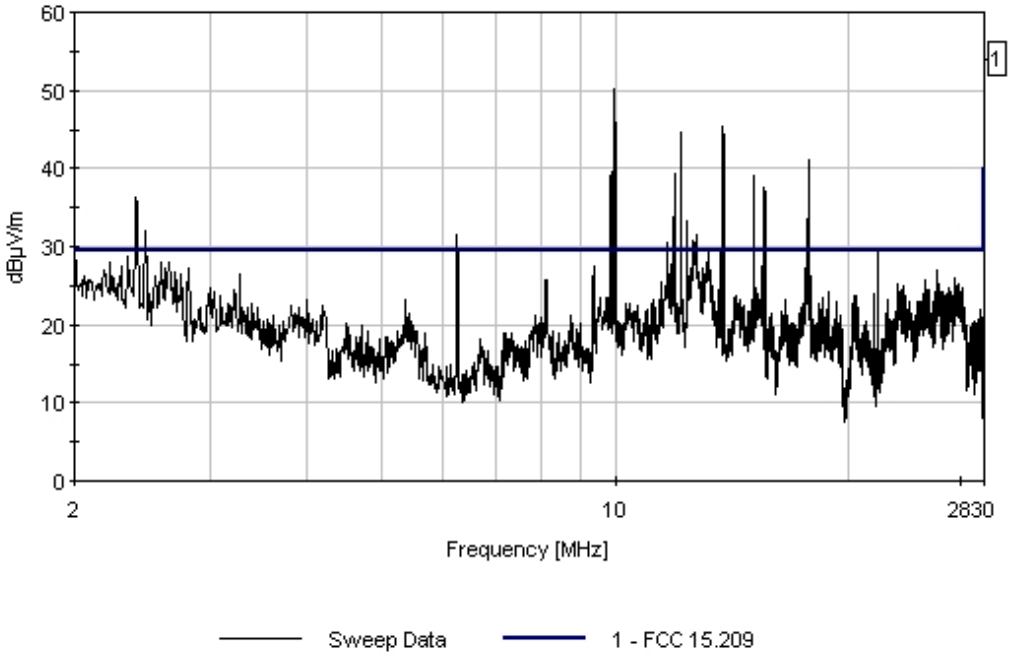
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	27.630M	32.5	+0.8	+5.9	-13.9		+0.0	25.3	29.5	-4.2	Perpe
2	12.763M QP	29.6	+0.6	+8.8	-13.9		+0.0	25.1	29.5	-4.4	Perpe
^	12.763M	34.7	+0.6	+8.8	-13.9		+0.0	30.2	29.5	+0.7	Perpe
4	11.775M	29.2	+0.5	+8.9	-13.9		+0.0	24.7	29.5	-4.8	Perpe
5	26.150M	30.9	+0.7	+6.4	-13.9		+0.0	24.1	29.5	-5.4	Perpe
6	2.295M	26.9	+0.2	+9.4	-13.9		+0.0	22.6	29.5	-6.9	Perpe
7	18.590M	27.4	+0.6	+8.2	-13.9		+0.0	22.3	29.5	-7.2	Perpe
8	15.274M	26.9	+0.6	+8.6	-13.9		+0.0	22.2	29.5	-7.3	Perpe

9	23.730M	28.1	+0.7	+7.2	-13.9	+0.0	22.1	29.5	-7.4	Perpe
10	17.509M	27.0	+0.6	+8.3	-13.9	+0.0	22.0	29.5	-7.5	Perpe
11	2.990M	26.2	+0.3	+9.3	-13.9	+0.0	21.9	29.5	-7.6	Perpe
12	9.605M	22.3	+0.5	+9.1	-13.9	+0.0	17.9	29.5	-11.6	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 12:59:25 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 270 Perpendicular
Overhead Site 2 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	13:08:12
Equipment:	**BPL MV Gateway**	Sequence#:	271
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 3: 10 meters out from medium voltage lines the BPL is connected to 9.38 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

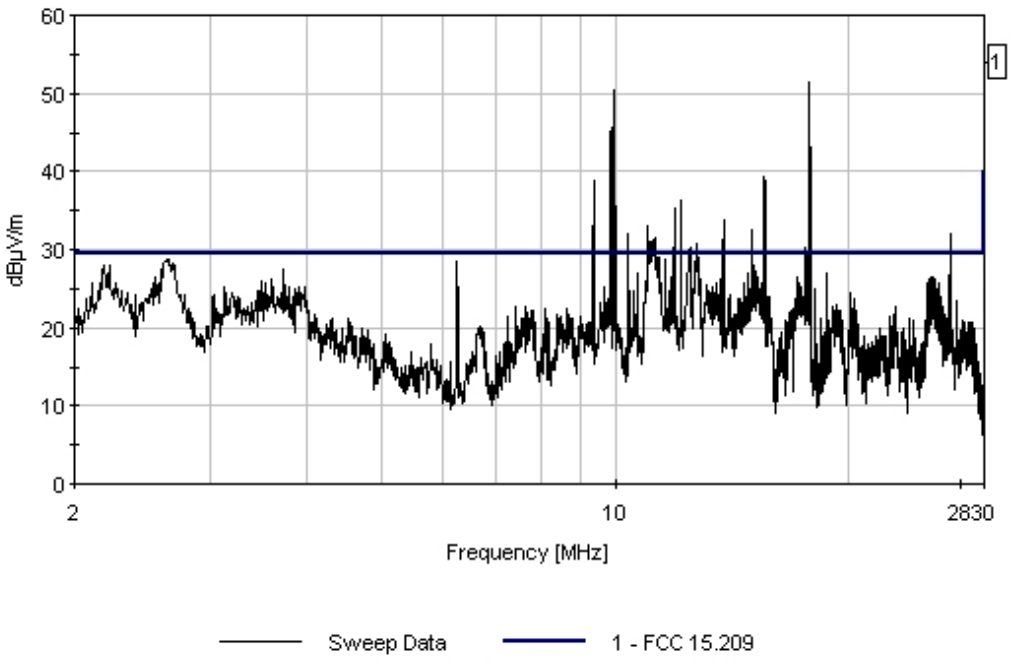
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.200M QP	31.8	+0.5	+9.0	-13.9		+0.0	27.4	29.5	-2.1	Paral
^	11.200M	36.3	+0.5	+9.0	-13.9		+0.0	31.9	29.5	+2.4	Paral
3	15.401M	30.0	+0.6	+8.6	-13.9		+0.0	25.3	29.5	-4.2	Paral
4	12.737M QP	29.7	+0.6	+8.8	-13.9		+0.0	25.2	29.5	-4.3	Paral
^	12.737M	35.4	+0.6	+8.8	-13.9		+0.0	30.9	29.5	+1.4	Paral

6	2.195M QP	28.7	+0.1	+9.4	-13.9	+0.0	24.3	29.5	-5.2	Paral
^	2.195M	32.9	+0.1	+9.4	-13.9	+0.0	28.5	29.5	-1.0	Paral
8	17.342M QP	29.2	+0.6	+8.3	-13.9	+0.0	24.2	29.5	-5.3	Paral
^	17.342M	31.0	+0.6	+8.3	-13.9	+0.0	26.0	29.5	-3.5	Paral
10	25.790M QP	30.6	+0.7	+6.6	-13.9	+0.0	24.0	29.5	-5.5	Paral
^	25.790M	32.8	+0.7	+6.6	-13.9	+0.0	26.2	29.5	-3.3	Paral
12	14.841M QP	28.1	+0.6	+8.6	-13.9	+0.0	23.4	29.5	-6.1	Paral
^	14.841M	31.9	+0.6	+8.6	-13.9	+0.0	27.2	29.5	-2.3	Paral
14	19.369M	26.8	+0.6	+8.2	-13.9	+0.0	21.7	29.5	-7.8	Paral
15	13.517M QP	26.2	+0.6	+8.7	-13.9	+0.0	21.6	29.5	-7.9	Paral
^	13.517M	34.2	+0.6	+8.7	-13.9	+0.0	29.6	29.5	+0.1	Paral
17	26.379M	28.2	+0.7	+6.3	-13.9	+0.0	21.3	29.5	-8.2	Paral
18	2.503M QP	24.8	+0.2	+9.3	-13.9	+0.0	20.4	29.5	-9.1	Paral
^	2.503M	31.1	+0.2	+9.3	-13.9	+0.0	26.7	29.5	-2.8	Paral
20	3.349M	24.5	+0.3	+9.3	-13.9	+0.0	20.2	29.5	-9.3	Paral
21	28.284M	26.6	+0.8	+5.6	-13.9	+0.0	19.0	29.5	-10.5	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 13:08:12 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 271 Parallel
Overhead Site 2 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	13:12:02
Equipment:	**BPL MV Gateway**	Sequence#:	272
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 3: 10 meters out from medium voltage lines the BPL is connected to 9.38 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

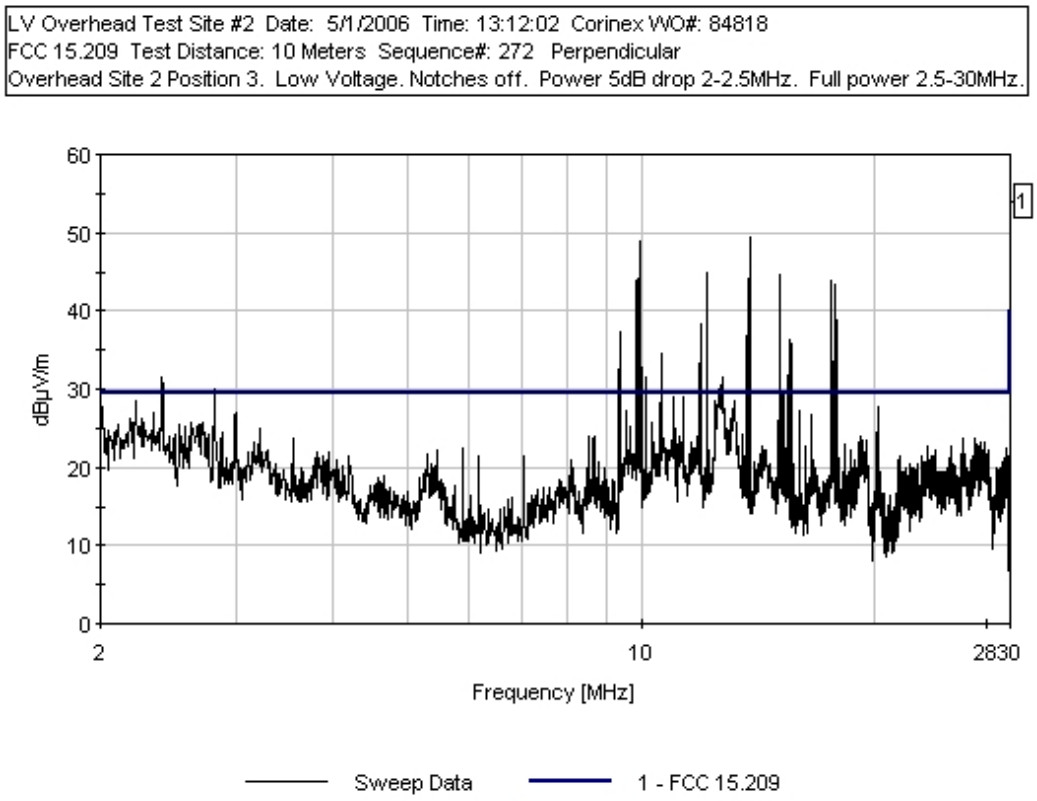
Transducer Legend:

T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	12.728M QP	30.6	+0.6	+8.8	-13.9		+0.0	26.1	29.5	-3.4	Perpe
^	12.728M	35.7	+0.6	+8.8	-13.9		+0.0	31.2	29.5	+1.7	Perpe
3	19.327M	27.6	+0.6	+8.2	-13.9		+0.0	22.5	29.5	-7.0	Perpe
4	29.680M	29.9	+0.8	+5.1	-13.9		+0.0	21.9	29.5	-7.6	Perpe
5	27.830M	29.2	+0.8	+5.8	-13.9		+0.0	21.9	29.5	-7.6	Perpe
6	26.280M	28.6	+0.7	+6.4	-13.9		+0.0	21.8	29.5	-7.7	Perpe
7	23.280M	27.7	+0.7	+7.3	-13.9		+0.0	21.8	29.5	-7.7	Perpe
8	11.300M	26.3	+0.5	+8.9	-13.9		+0.0	21.8	29.5	-7.7	Perpe

9	3.265M	25.3	+0.3	+9.3	-13.9	+0.0	21.0	29.5	-8.5	Perpe
10	2.925M	22.6	+0.3	+9.3	-13.9	+0.0	18.3	29.5	-11.2	Perpe
11	2.465M	22.6	+0.2	+9.4	-13.9	+0.0	18.3	29.5	-11.2	Perpe



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	13:20:41
Equipment:	**BPL MV Gateway**	Sequence#:	273
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 4: 10 meters out from medium voltage lines the BPL is connected to 14.06 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

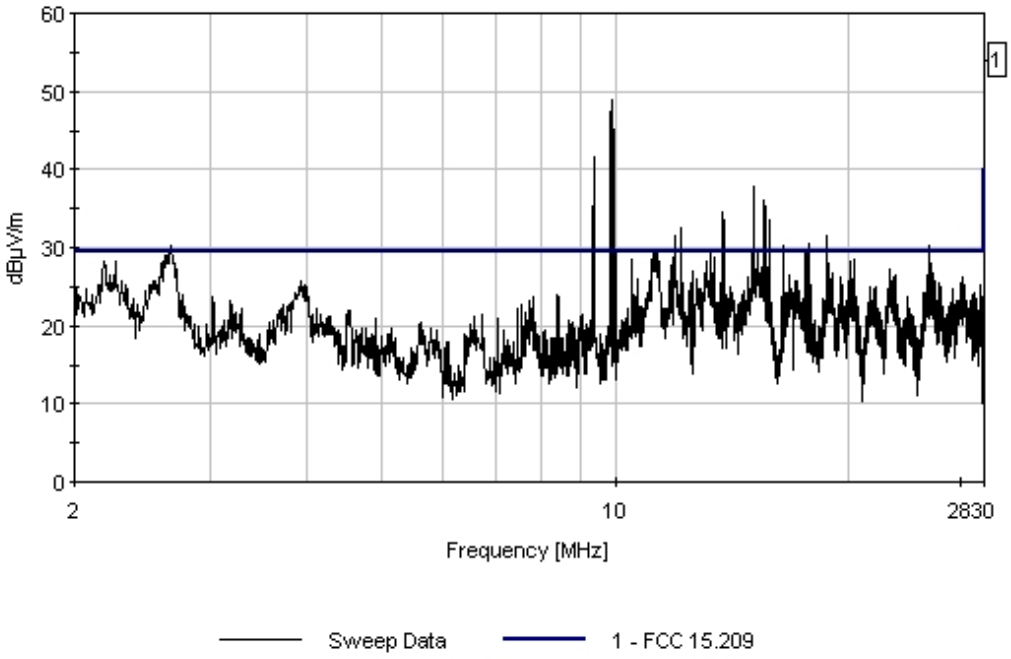
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.250M QP	30.2	+0.5	+9.0	-13.9		+0.0	25.8	29.5	-3.7	Paral
^	11.250M	35.9	+0.5	+9.0	-13.9		+0.0	31.4	29.5	+1.9	Paral
3	20.157M QP	30.9	+0.6	+8.1	-13.9		+0.0	25.7	29.5	-3.8	Paral
^	20.157M	34.5	+0.6	+8.1	-13.9		+0.0	29.3	29.5	-0.2	Paral
5	15.003M QP	30.4	+0.6	+8.6	-13.9		+0.0	25.7	29.5	-3.8	Paral
^	15.003M	34.2	+0.6	+8.6	-13.9		+0.0	29.5	29.5	+0.0	Paral

7	22.660M QP	31.0	+0.7	+7.4	-13.9	+0.0	25.2	29.5	-4.3	Paral
^	22.660M	32.5	+0.7	+7.4	-13.9	+0.0	26.7	29.5	-2.8	Paral
9	17.201M	29.9	+0.6	+8.4	-13.9	+0.0	25.0	29.5	-4.5	Paral
10	29.697M	32.9	+0.8	+5.1	-13.9	+0.0	24.9	29.5	-4.6	Paral
11	28.126M QP	32.3	+0.8	+5.7	-13.9	+0.0	24.9	29.5	-4.6	Paral
^	28.126M	34.8	+0.8	+5.7	-13.9	+0.0	27.4	29.5	-2.1	Paral
13	25.789M QP	31.4	+0.7	+6.6	-13.9	+0.0	24.8	29.5	-4.7	Paral
^	25.789M	33.9	+0.7	+6.6	-13.9	+0.0	27.3	29.5	-2.2	Paral
15	18.902M QP	29.6	+0.6	+8.2	-13.9	+0.0	24.5	29.5	-5.0	Paral
^	18.902M	33.3	+0.6	+8.2	-13.9	+0.0	28.2	29.5	-1.3	Paral
17	2.225M	28.4	+0.2	+9.4	-13.9	+0.0	24.1	29.5	-5.4	Paral
18	13.178M QP	26.3	+0.6	+8.8	-13.9	+0.0	21.8	29.5	-7.7	Paral
^	13.178M	32.1	+0.6	+8.8	-13.9	+0.0	27.6	29.5	-1.9	Paral
20	2.970M	22.5	+0.3	+9.3	-13.9	+0.0	18.2	29.5	-11.3	Paral
21	3.625M	21.9	+0.3	+9.3	-13.9	+0.0	17.6	29.5	-11.9	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 13:20:41 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 273 Parallel
Overhead Site 2 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	13:46:01
Equipment:	**BPL MV Gateway**	Sequence#:	274
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 4: 10 meters out from medium voltage lines the BPL is connected to 14.06 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

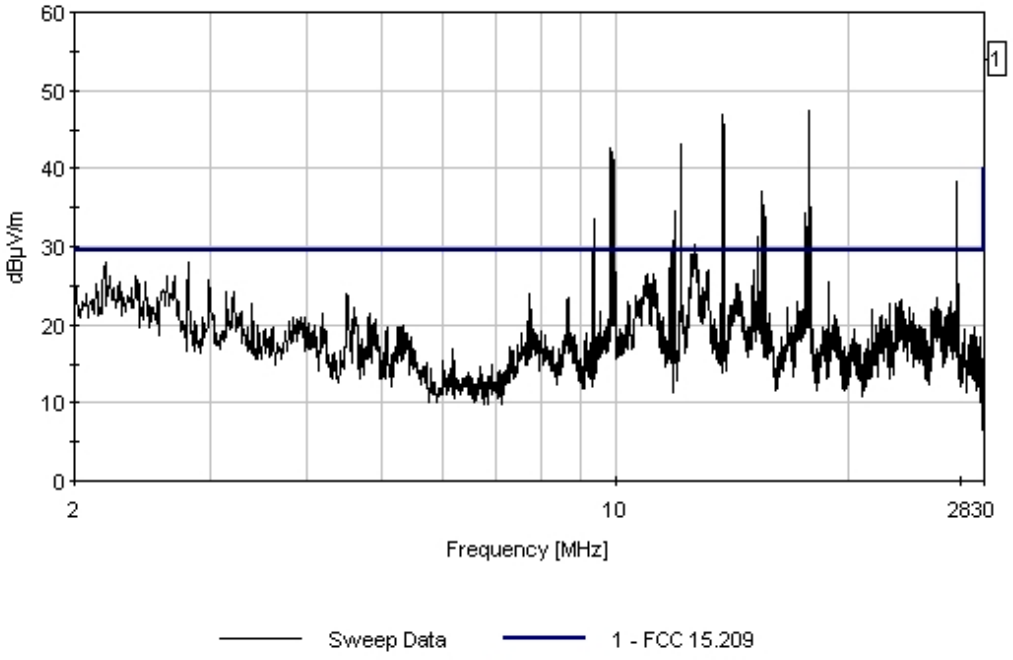
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	12.633M QP	29.8	+0.6	+8.8	-13.9		+0.0	25.3	29.5	-4.2	Perpe
^	12.633M	34.6	+0.6	+8.8	-13.9		+0.0	30.1	29.5	+0.6	Perpe
3	25.930M	28.1	+0.7	+6.5	-13.9		+0.0	21.4	29.5	-8.1	Perpe
4	2.235M	25.7	+0.2	+9.4	-13.9		+0.0	21.4	29.5	-8.1	Perpe
5	23.380M	27.2	+0.7	+7.3	-13.9		+0.0	21.2	29.5	-8.3	Perpe
6	17.398M	26.0	+0.6	+8.3	-13.9		+0.0	21.0	29.5	-8.5	Perpe

7	10.838M	25.4	+0.5	+9.0	-13.9	+0.0	21.0	29.5	-8.5	Perpe
8	19.293M	24.9	+0.6	+8.2	-13.9	+0.0	19.8	29.5	-9.7	Perpe
9	14.213M	24.2	+0.6	+8.7	-13.9	+0.0	19.6	29.5	-9.9	Perpe
10	2.940M	23.5	+0.3	+9.3	-13.9	+0.0	19.2	29.5	-10.3	Perpe
11	29.350M	25.8	+0.8	+5.2	-13.9	+0.0	17.9	29.5	-11.6	Perpe
12	3.445M	19.4	+0.3	+9.3	-13.9	+0.0	15.1	29.5	-14.4	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 13:46:01 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 274 Perpendicular
Overhead Site 2 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	13:57:38
Equipment:	**BPL MV Gateway**	Sequence#:	275
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 5: 10 meters out from medium voltage lines the BPL is connected to 18.75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

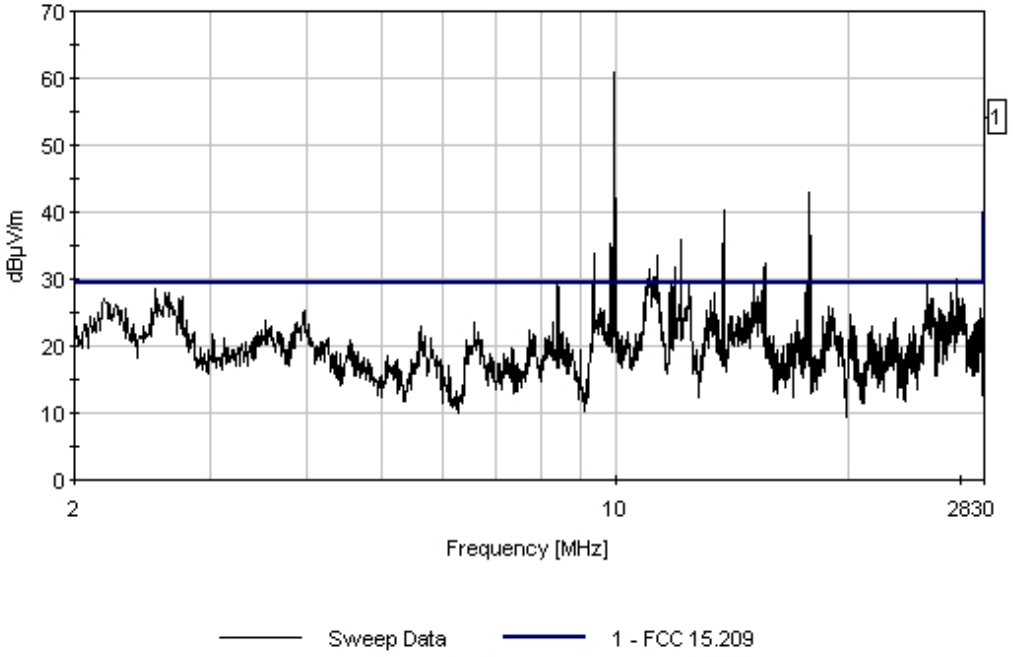
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.225M QP	30.3	+0.5	+9.0	-13.9		+0.0	25.9	29.5	-3.6	Paral
^	11.225M	35.4	+0.5	+9.0	-13.9		+0.0	30.9	29.5	+1.4	Paral
3	9.610M	29.5	+0.5	+9.1	-13.9		+0.0	25.2	29.5	-4.3	Paral
4	25.800M	31.7	+0.7	+6.6	-13.9		+0.0	25.1	29.5	-4.4	Paral
5	2.215M	28.9	+0.2	+9.4	-13.9		+0.0	24.6	29.5	-4.9	Paral

6 QP	12.414M	28.7	+0.6	+8.8	-13.9	+0.0	24.2	29.5	-5.3	Paral
^	12.414M	33.6	+0.6	+8.8	-13.9	+0.0	29.1	29.5	-0.4	Paral
8	29.650M	32.1	+0.8	+5.1	-13.9	+0.0	24.1	29.5	-5.4	Paral
9	15.152M	28.4	+0.6	+8.6	-13.9	+0.0	23.7	29.5	-5.8	Paral
10	19.074M	28.3	+0.6	+8.2	-13.9	+0.0	23.2	29.5	-6.3	Paral
11 QP	13.358M	25.6	+0.6	+8.7	-13.9	+0.0	21.0	29.5	-8.5	Paral
^	13.358M	30.9	+0.6	+8.7	-13.9	+0.0	26.3	29.5	-3.2	Paral
13	2.595M	24.4	+0.2	+9.3	-13.9	+0.0	20.0	29.5	-9.5	Paral
14	17.145M	24.8	+0.6	+8.4	-13.9	+0.0	19.8	29.5	-9.7	Paral
15	3.735M	20.9	+0.3	+9.3	-13.9	+0.0	16.6	29.5	-12.9	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 13:57:38 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 275 Parallel
Overhead Site 2 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:03:08
Equipment:	**BPL MV Gateway**	Sequence#:	276
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 5: 10 meters out from medium voltage lines the BPL is connected to 18.75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

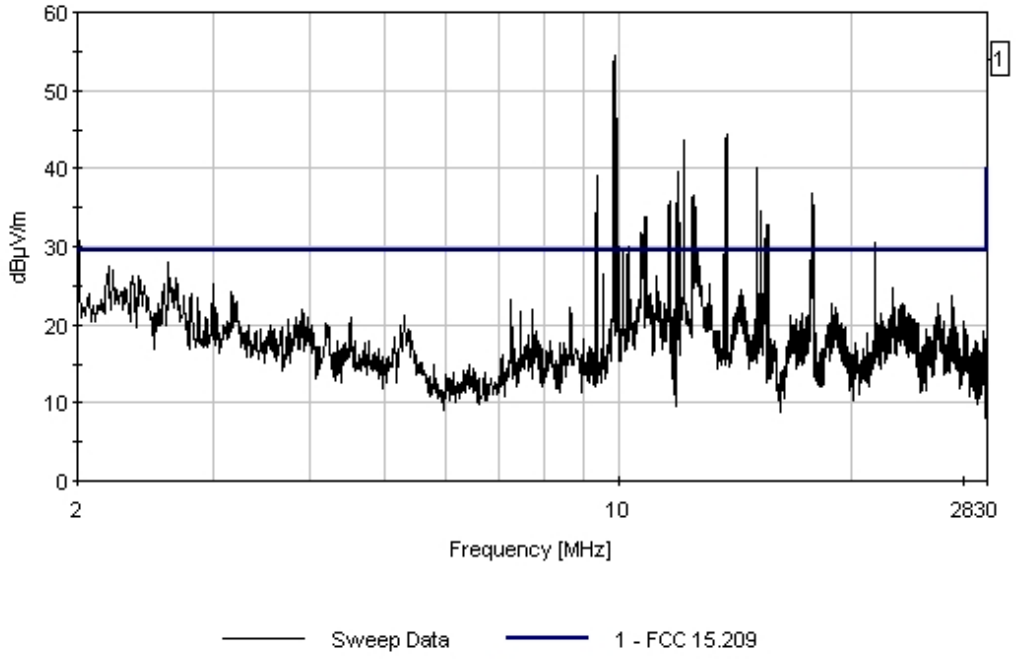
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	12.695M QP	28.4	+0.6	+8.8	-13.9		+0.0	23.9	29.5	-5.6	Perpe
^	12.695M	32.9	+0.6	+8.8	-13.9		+0.0	28.3	29.5	-1.2	Perpe
3	23.430M	28.2	+0.7	+7.2	-13.9		+0.0	22.2	29.5	-7.3	Perpe
4	13.163M	26.0	+0.6	+8.8	-13.9		+0.0	21.5	29.5	-8.0	Perpe
5	10.638M	25.9	+0.5	+9.0	-13.9		+0.0	21.5	29.5	-8.0	Perpe
6	2.265M	25.5	+0.2	+9.4	-13.9		+0.0	21.2	29.5	-8.3	Perpe

7	28.130M	27.5	+0.8	+5.7	-13.9	+0.0	20.1	29.5	-9.4	Perpe
8	25.900M	26.8	+0.7	+6.5	-13.9	+0.0	20.1	29.5	-9.4	Perpe
9	14.525M	24.2	+0.6	+8.6	-13.9	+0.0	19.5	29.5	-10.0	Perpe
10	19.238M	24.1	+0.6	+8.2	-13.9	+0.0	19.0	29.5	-10.5	Perpe
11	3.115M	21.4	+0.3	+9.3	-13.9	+0.0	17.1	29.5	-12.4	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:03:08 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 276 Perpendicular
Overhead Site 2 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:12:52
Equipment:	**BPL MV Gateway**	Sequence#:	277
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 6: 10 meters out from medium voltage lines the BPL is connected to 28.13 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

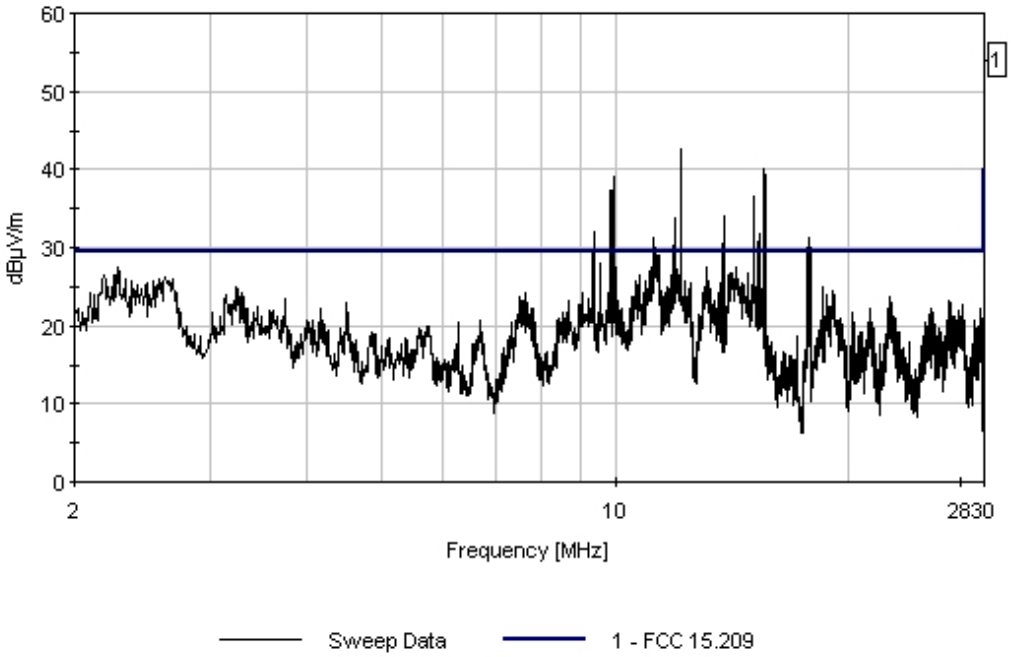
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	15.013M	30.2	+0.6	+8.6	-13.9		+0.0	25.5	29.5	-4.0	Paral
2	7.652M	29.4	+0.4	+9.1	-13.9		+0.0	25.0	29.5	-4.5	Paral
3	2.330M	29.2	+0.2	+9.4	-13.9		+0.0	24.9	29.5	-4.6	Paral
4	11.288M QP	28.9	+0.5	+9.0	-13.9		+0.0	24.5	29.5	-5.0	Paral
^	11.288M	33.8	+0.5	+9.0	-13.9		+0.0	29.4	29.5	-0.1	Paral
6	19.141M	29.4	+0.6	+8.2	-13.9		+0.0	24.3	29.5	-5.2	Paral

7	3.220M	27.3	+0.3	+9.3	-13.9	+0.0	23.0	29.5	-6.5	Paral
8	18.756M	27.7	+0.6	+8.2	-13.9	+0.0	22.6	29.5	-6.9	Paral
9	14.297M QP	27.0	+0.6	+8.7	-13.9	+0.0	22.4	29.5	-7.1	Paral
^	14.297M	32.0	+0.6	+8.7	-13.9	+0.0	27.4	29.5	-2.1	Paral
11	27.830M	29.2	+0.8	+5.8	-13.9	+0.0	21.9	29.5	-7.6	Paral
12	22.500M	27.4	+0.7	+7.5	-13.9	+0.0	21.7	29.5	-7.8	Paral
13	29.680M	29.4	+0.8	+5.1	-13.9	+0.0	21.4	29.5	-8.1	Paral
14	19.689M	25.5	+0.6	+8.1	-13.9	+0.0	20.3	29.5	-9.2	Paral
15	3.690M	24.5	+0.3	+9.3	-13.9	+0.0	20.2	29.5	-9.3	Paral
16	13.174M QP	24.4	+0.6	+8.8	-13.9	+0.0	19.9	29.5	-9.6	Paral
^	13.174M	36.4	+0.6	+8.8	-13.9	+0.0	31.9	29.5	+2.4	Paral
18	25.300M	25.9	+0.7	+6.8	-13.9	+0.0	19.5	29.5	-10.0	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:12:52 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 277 Parallel
Overhead Site 2 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:16:15
Equipment:	**BPL MV Gateway**	Sequence#:	278
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 6: 10 meters out from medium voltage lines the BPL is connected to 28.13 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

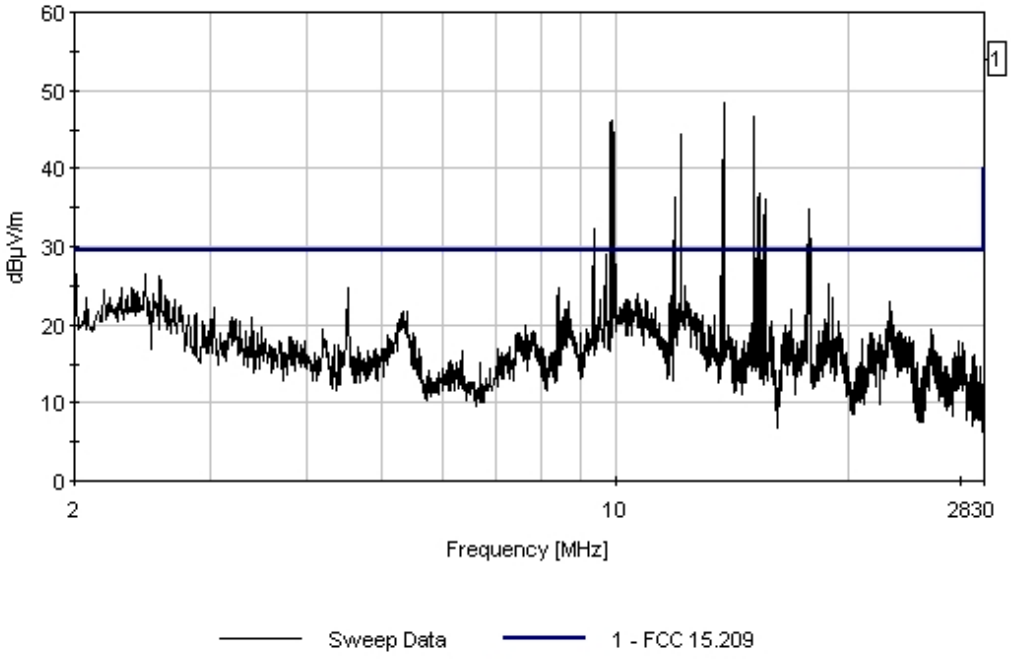
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	8.440M	29.0	+0.4	+9.1	-13.9		+0.0	24.6	29.5	-4.9	Perpe
2	2.413M	27.9	+0.2	+9.4	-13.9		+0.0	23.6	29.5	-5.9	Perpe
3	22.650M	27.0	+0.7	+7.4	-13.9		+0.0	21.2	29.5	-8.3	Perpe
4	10.575M	25.3	+0.5	+9.0	-13.9		+0.0	20.9	29.5	-8.6	Perpe
5	2.598M	24.8	+0.2	+9.3	-13.9		+0.0	20.4	29.5	-9.1	Perpe
6	2.138M	24.8	+0.1	+9.4	-13.9		+0.0	20.4	29.5	-9.1	Perpe

7	12.720M	23.4	+0.6	+8.8	-13.9	+0.0	18.9	29.5	-10.6	Perpe
8	9.465M	23.0	+0.5	+9.1	-13.9	+0.0	18.7	29.5	-10.8	Perpe
9	25.800M	24.0	+0.7	+6.6	-13.9	+0.0	17.4	29.5	-12.1	Perpe
10	28.180M	22.0	+0.8	+5.7	-13.9	+0.0	14.6	29.5	-14.9	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:16:15 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 278 Perpendicular
Overhead Site 2 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:21:29
Equipment:	**BPL MV Gateway**	Sequence#:	279
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 7: 10 meters out from medium voltage lines the BPL is connected to 37.5 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

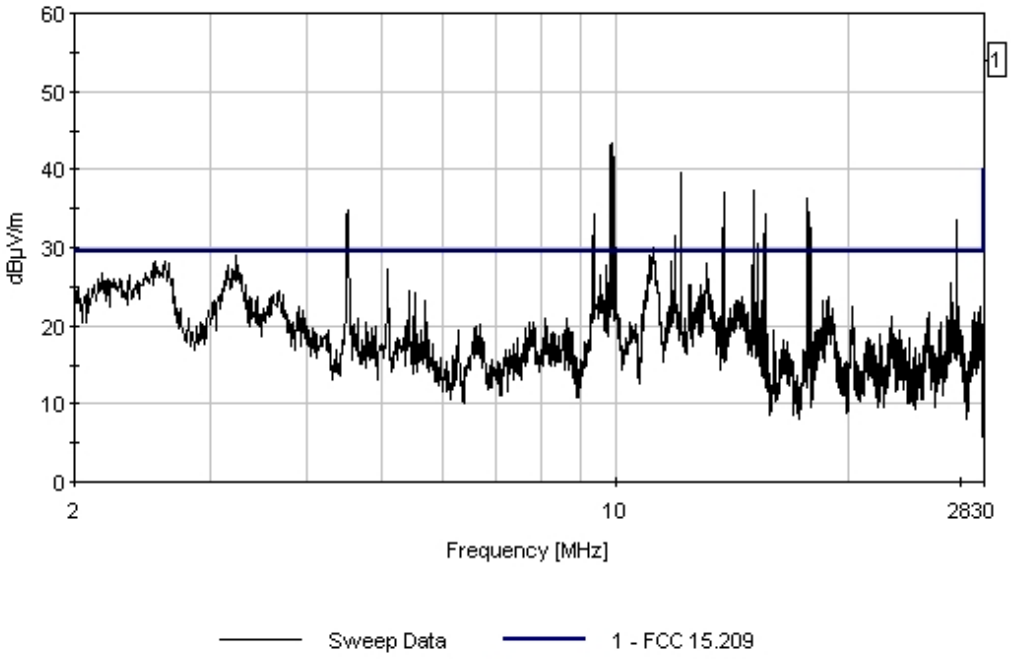
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.190M QP	29.4	+0.5	+9.0	-13.9		+0.0	25.0	29.5	-4.5	Paral
^	11.190M	34.4	+0.5	+9.0	-13.9		+0.0	30.0	29.5	+0.5	Paral
3	3.175M	28.9	+0.3	+9.3	-13.9		+0.0	24.6	29.5	-4.9	Paral
4	9.510M	28.7	+0.5	+9.1	-13.9		+0.0	24.4	29.5	-5.1	Paral
5	12.628M	28.3	+0.6	+8.8	-13.9		+0.0	23.8	29.5	-5.7	Paral
6	27.250M	28.4	+0.7	+6.0	-13.9		+0.0	21.2	29.5	-8.3	Paral

7	2.090M	25.3	+0.1	+9.4	-13.9	+0.0	20.9	29.5	-8.6	Paral
8	18.388M	25.8	+0.6	+8.2	-13.9	+0.0	20.7	29.5	-8.8	Paral
9	3.685M	25.0	+0.3	+9.3	-13.9	+0.0	20.7	29.5	-8.8	Paral
10	29.600M	28.6	+0.8	+5.1	-13.9	+0.0	20.6	29.5	-8.9	Paral
11	19.075M	25.3	+0.6	+8.2	-13.9	+0.0	20.2	29.5	-9.3	Paral
12	2.740M	24.0	+0.3	+9.3	-13.9	+0.0	19.7	29.5	-9.8	Paral
13	14.209M	23.6	+0.6	+8.7	-13.9	+0.0	19.0	29.5	-10.5	Paral
14	22.800M	22.8	+0.7	+7.4	-13.9	+0.0	17.0	29.5	-12.5	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:21:29 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 279 Parallel
Overhead Site 2 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:24:42
Equipment:	**BPL MV Gateway**	Sequence#:	280
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 7: 10 meters out from medium voltage lines the BPL is connected to 37.5 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

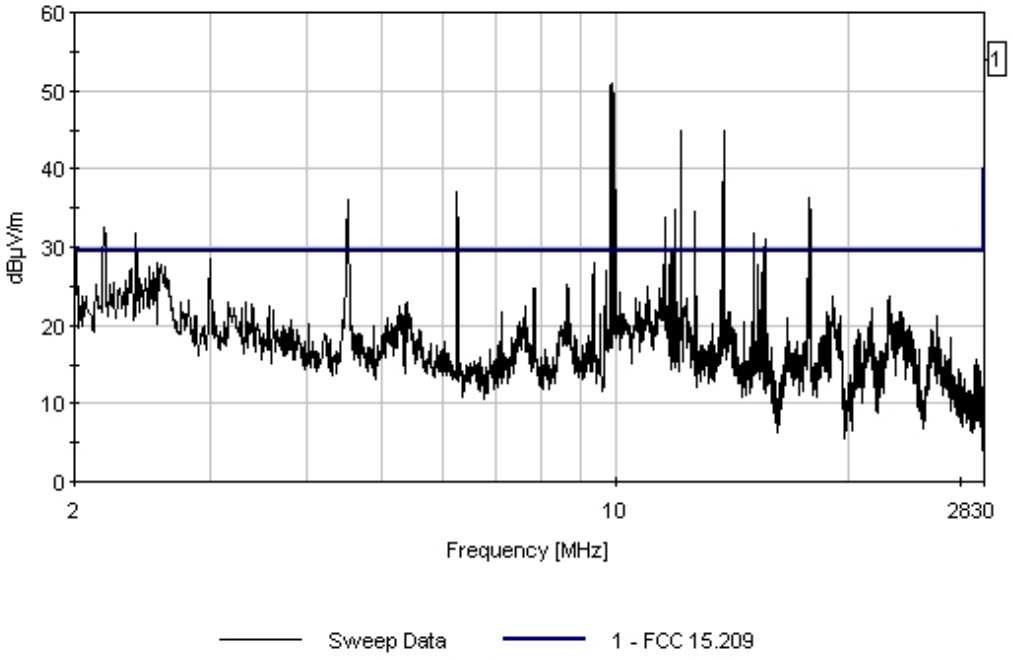
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.380M	28.0	+0.2	+9.4	-13.9		+0.0	23.7	29.5	-5.8	Perpe
2	11.000M	26.9	+0.5	+9.0	-13.9		+0.0	22.5	29.5	-7.0	Perpe
3	23.430M	27.9	+0.7	+7.2	-13.9		+0.0	21.9	29.5	-7.6	Perpe
4	22.650M	27.1	+0.7	+7.4	-13.9		+0.0	21.3	29.5	-8.2	Perpe
5	19.050M	25.6	+0.6	+8.2	-13.9		+0.0	20.5	29.5	-9.0	Perpe
6	3.680M	23.3	+0.3	+9.3	-13.9		+0.0	19.0	29.5	-10.5	Perpe

7	3.000M	22.8	+0.3	+9.3	-13.9	+0.0	18.5	29.5	-11.0	Perpe
8	25.650M	25.1	+0.7	+6.6	-13.9	+0.0	18.4	29.5	-11.1	Perpe
9	14.230M	22.0	+0.6	+8.7	-13.9	+0.0	17.4	29.5	-12.1	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:24:42 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 280 Perpendicular
Overhead Site 2 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:31:19
Equipment:	**BPL MV Gateway**	Sequence#:	281
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 8: 10 meters out from medium voltage lines the BPL is connected to 46.88 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

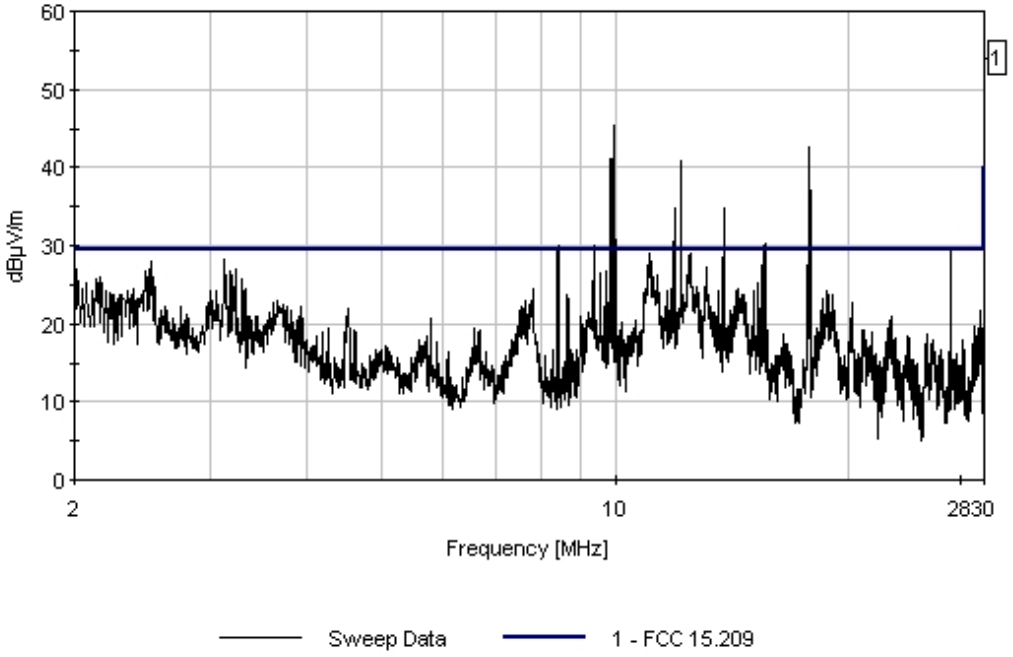
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.130M	29.9	+0.5	+9.0	-13.9		+0.0	25.5	29.5	-4.0	Paral
2 QP	12.445M	28.2	+0.6	+8.8	-13.9		+0.0	23.7	29.5	-5.8	Paral
^	12.445M	33.5	+0.6	+8.8	-13.9		+0.0	29.0	29.5	-0.5	Paral
4	7.693M	27.8	+0.4	+9.1	-13.9		+0.0	23.4	29.5	-6.1	Paral
5	2.220M	27.4	+0.2	+9.4	-13.9		+0.0	23.1	29.5	-6.4	Paral
6	19.102M	27.1	+0.6	+8.2	-13.9		+0.0	22.0	29.5	-7.5	Paral

7	22.650M	27.1	+0.7	+7.4	-13.9	+0.0	21.3	29.5	-8.2	Paral
8	18.680M	25.5	+0.6	+8.2	-13.9	+0.0	20.4	29.5	-9.1	Paral
9	14.438M	24.8	+0.6	+8.6	-13.9	+0.0	20.1	29.5	-9.4	Paral
10	3.125M	24.3	+0.3	+9.3	-13.9	+0.0	19.9	29.5	-9.6	Paral
11	29.180M	26.5	+0.8	+5.3	-13.9	+0.0	18.7	29.5	-10.8	Paral
12	13.326M	23.3	+0.6	+8.7	-13.9	+0.0	18.7	29.5	-10.8	Paral
13	3.735M	22.7	+0.3	+9.3	-13.9	+0.0	18.4	29.5	-11.1	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:31:19 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 281 Parallel
Overhead Site 2 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:34:41
Equipment:	**BPL MV Gateway**	Sequence#:	282
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 8: 10 meters out from medium voltage lines the BPL is connected to 46.88 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

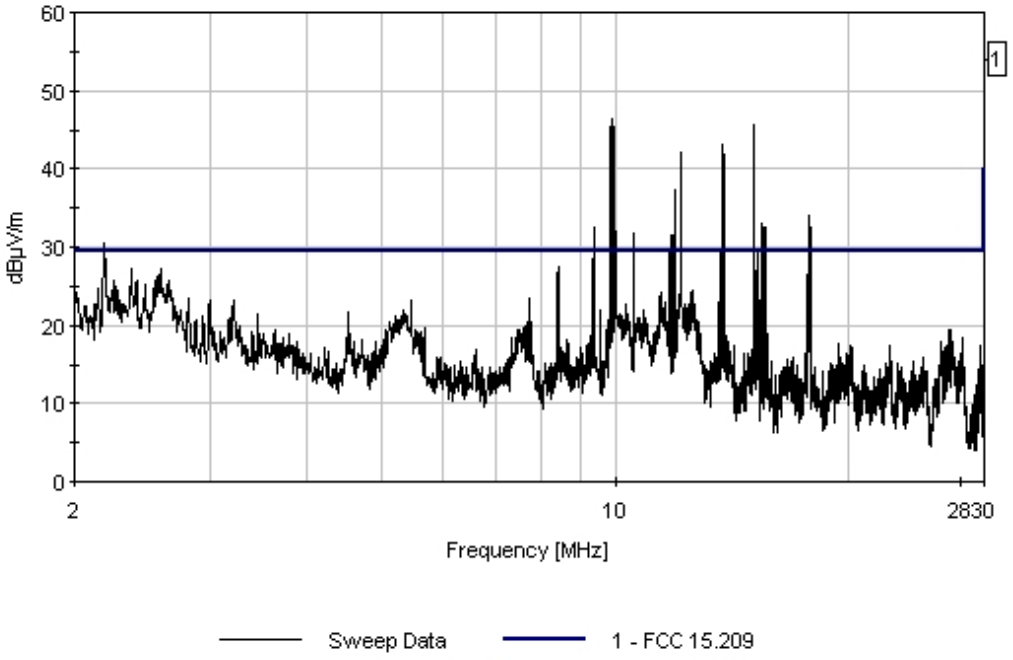
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.413M	28.6	+0.2	+9.4	-13.9		+0.0	24.3	29.5	-5.2	Perpe
2	12.580M	28.4	+0.6	+8.8	-13.9		+0.0	23.9	29.5	-5.6	Perpe
3	11.480M	27.5	+0.5	+8.9	-13.9		+0.0	23.0	29.5	-6.5	Perpe
4	2.655M	26.0	+0.2	+9.3	-13.9		+0.0	21.6	29.5	-7.9	Perpe
5	5.473M	22.8	+0.3	+9.2	-13.9		+0.0	18.4	29.5	-11.1	Perpe
6	28.130M	24.3	+0.8	+5.7	-13.9		+0.0	16.8	29.5	-12.7	Perpe

7	26.580M	22.3	+0.7	+6.3	-13.9	+0.0	15.4	29.5	-14.1	Perpe
8	19.430M	20.1	+0.6	+8.2	-13.9	+0.0	15.0	29.5	-14.5	Perpe
9	16.280M	19.3	+0.6	+8.5	-13.9	+0.0	14.5	29.5	-15.0	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:34:41 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 282 Perpendicular
Overhead Site 2 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:41:53
Equipment:	**BPL MV Gateway**	Sequence#:	283
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 9: 10 meters out from medium voltage lines the BPL is connected to 56.25 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

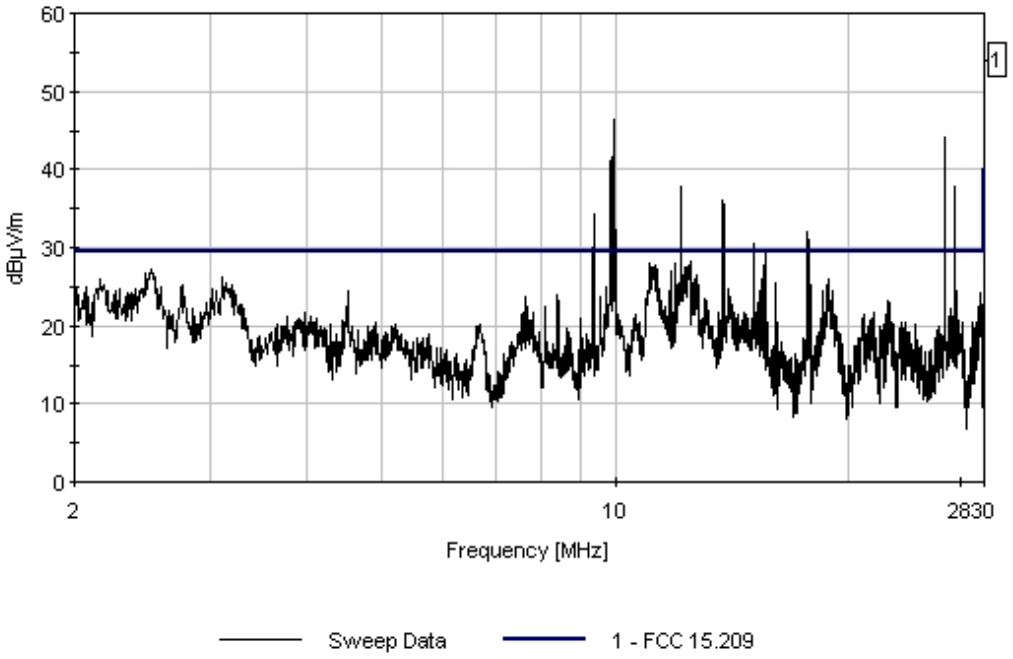
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	18.903M	30.1	+0.6	+8.2	-13.9		+0.0	25.0	29.5	-4.5	Paral
2 QP	11.173M	28.7	+0.5	+9.0	-13.9		+0.0	24.3	29.5	-5.2	Paral
^	11.173M	33.8	+0.5	+9.0	-13.9		+0.0	29.4	29.5	-0.1	Paral
4	2.325M	27.2	+0.2	+9.4	-13.9		+0.0	22.9	29.5	-6.6	Paral
5 QP	12.421M	27.2	+0.6	+8.8	-13.9		+0.0	22.7	29.5	-6.8	Paral
^	12.421M	33.1	+0.6	+8.8	-13.9		+0.0	28.6	29.5	-0.9	Paral

7	29.700M	30.6	+0.8	+5.1	-13.9	+0.0	22.6	29.5	-6.9	Paral
8	18.746M	27.5	+0.6	+8.2	-13.9	+0.0	22.4	29.5	-7.1	Paral
9	19.069M	27.4	+0.6	+8.2	-13.9	+0.0	22.3	29.5	-7.2	Paral
10	13.988M	25.3	+0.6	+8.7	-13.9	+0.0	20.7	29.5	-8.8	Paral
11	22.650M	26.1	+0.7	+7.4	-13.9	+0.0	20.3	29.5	-9.2	Paral
12	27.380M	27.4	+0.7	+6.0	-13.9	+0.0	20.2	29.5	-9.3	Paral
13	3.030M	23.5	+0.3	+9.3	-13.9	+0.0	19.2	29.5	-10.3	Paral
14	3.440M	22.1	+0.3	+9.3	-13.9	+0.0	17.8	29.5	-11.7	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:41:53 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 283 Parallel
Overhead Site 2 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:45:52
Equipment:	**BPL MV Gateway**	Sequence#:	284
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 9: 10 meters out from medium voltage lines the BPL is connected to 56.25 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

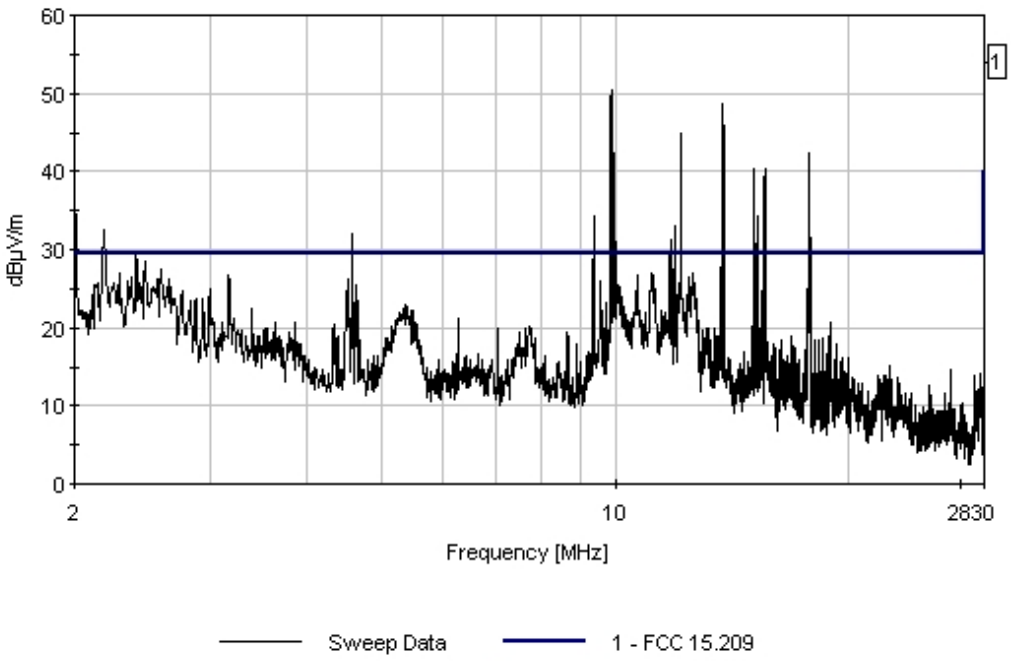
Transducer Legend:

T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	5.383M	27.9	+0.3	+9.2	-13.9		+0.0	23.5	29.5	-6.0	Perpe
2	11.238M	26.8	+0.5	+9.0	-13.9		+0.0	22.4	29.5	-7.1	Perpe
3	10.213M	25.7	+0.5	+9.1	-13.9		+0.0	21.4	29.5	-8.1	Perpe
4	2.315M	25.7	+0.2	+9.4	-13.9		+0.0	21.4	29.5	-8.1	Perpe
5	12.613M	25.6	+0.6	+8.8	-13.9		+0.0	21.1	29.5	-8.4	Perpe
6	3.395M	24.2	+0.3	+9.3	-13.9		+0.0	19.9	29.5	-9.6	Perpe
7	2.875M	23.0	+0.3	+9.3	-13.9		+0.0	18.7	29.5	-10.8	Perpe
8	29.220M	19.5	+0.8	+5.3	-13.9		+0.0	11.7	29.5	-17.8	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:45:52 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 284 Perpendicular
Overhead Site 2 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:52:02
Equipment:	**BPL MV Gateway**	Sequence#:	285
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 10: 10 meters out from medium voltage lines the BPL is connected to 65.63 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

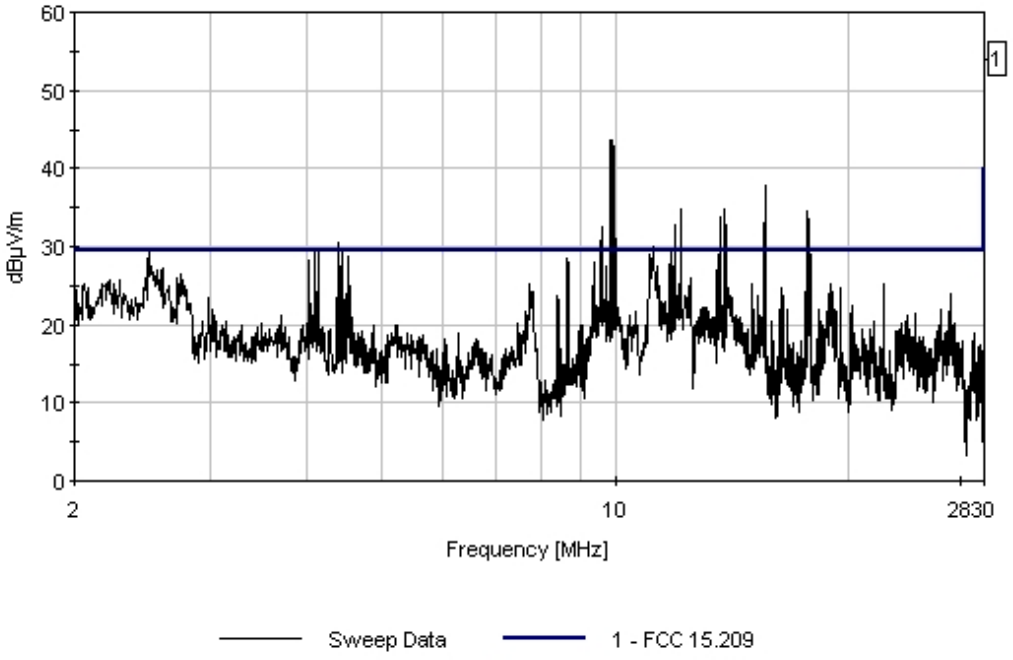
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.200M QP	29.3	+0.5	+9.0	-13.9		+0.0	24.9	29.5	-4.6	Paral
^	11.200M	34.1	+0.5	+9.0	-13.9		+0.0	29.6	29.5	+0.1	Paral
3	12.454M	29.3	+0.6	+8.8	-13.9		+0.0	24.8	29.5	-4.7	Paral
4	2.628M	28.8	+0.2	+9.3	-13.9		+0.0	24.4	29.5	-5.1	Paral
5	2.183M	27.9	+0.1	+9.4	-13.9		+0.0	23.5	29.5	-6.0	Paral
6	7.798M	27.0	+0.4	+9.1	-13.9		+0.0	22.6	29.5	-6.9	Paral

7	2.490M	26.6	+0.2	+9.4	-13.9	+0.0	22.3	29.5	-7.2	Paral
8	14.136M	25.9	+0.6	+8.7	-13.9	+0.0	21.3	29.5	-8.2	Paral
9	19.088M	26.1	+0.6	+8.2	-13.9	+0.0	21.0	29.5	-8.5	Paral
10	27.080M	27.5	+0.7	+6.1	-13.9	+0.0	20.4	29.5	-9.1	Paral
11	13.243M	24.5	+0.6	+8.8	-13.9	+0.0	20.0	29.5	-9.5	Paral
12	23.830M	23.8	+0.7	+7.2	-13.9	+0.0	17.8	29.5	-11.7	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:52:02 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 285 Parallel
Overhead Site 2 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	14:56:12
Equipment:	**BPL MV Gateway**	Sequence#:	286
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 10: 10 meters out from medium voltage lines the BPL is connected to 65.63 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

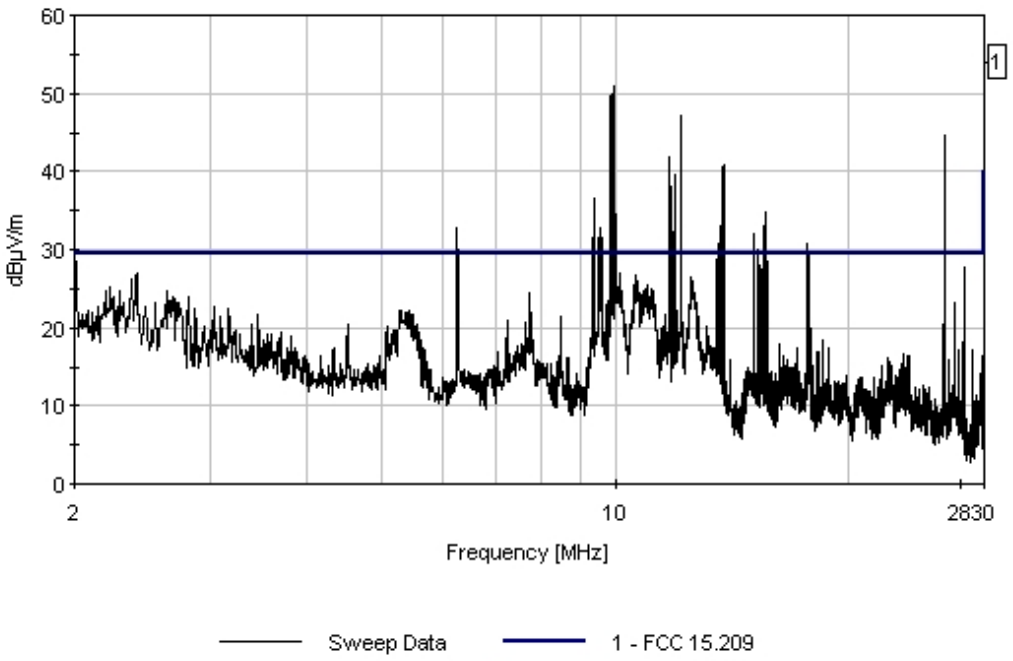
Transducer Legend:

T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.925M	28.8	+0.5	+9.0	-13.9		+0.0	24.4	29.5	-5.1	Perpe
2	2.595M	26.7	+0.2	+9.3	-13.9		+0.0	22.3	29.5	-7.2	Perpe
3	12.558M QP	26.7	+0.6	+8.8	-13.9		+0.0	22.2	29.5	-7.3	Perpe
^	12.558M	31.3	+0.6	+8.8	-13.9		+0.0	26.8	29.5	-2.7	Perpe
5	2.786M	25.7	+0.3	+9.3	-13.9		+0.0	21.4	29.5	-8.1	Perpe
6	2.140M	24.5	+0.1	+9.4	-13.9		+0.0	20.1	29.5	-9.4	Perpe
7	13.193M	23.0	+0.6	+8.8	-13.9		+0.0	18.5	29.5	-11.0	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 14:56:12 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 286 Perpendicular
Overhead Site 2 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	15:05:17
Equipment:	**BPL MV Gateway**	Sequence#:	287
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 11: 10 meters out from medium voltage lines the BPL is connected to 75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

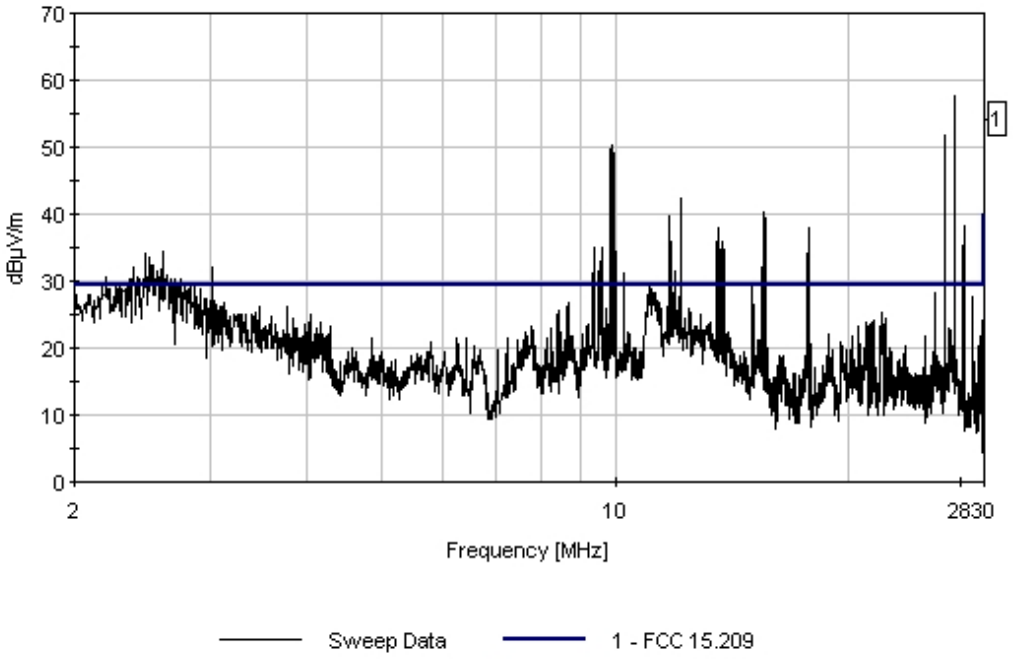
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	11.175M QP	29.7	+0.5	+9.0	-13.9		+0.0	25.3	29.5	-4.2	Paral
^	11.175M	34.3	+0.5	+9.0	-13.9		+0.0	29.9	29.5	+0.4	Paral
3	2.194M QP	27.5	+0.1	+9.4	-13.9		+0.0	23.1	29.5	-6.4	Paral
^	2.194M	31.8	+0.1	+9.4	-13.9		+0.0	27.4	29.5	-2.1	Paral
5	12.504M QP	26.5	+0.6	+8.8	-13.9		+0.0	22.0	29.5	-7.5	Paral
^	12.504M	31.9	+0.6	+8.8	-13.9		+0.0	27.4	29.5	-2.1	Paral

7	13.977M	26.2	+0.6	+8.7	-13.9	+0.0	21.6	29.5	-7.9	Paral
8	18.925M	25.5	+0.6	+8.2	-13.9	+0.0	20.4	29.5	-9.1	Paral
9	7.750M	24.3	+0.4	+9.1	-13.9	+0.0	19.9	29.5	-9.6	Paral
10	27.350M	26.9	+0.7	+6.0	-13.9	+0.0	19.7	29.5	-9.8	Paral
11	8.747M	23.0	+0.5	+9.1	-13.9	+0.0	18.7	29.5	-10.8	Paral
12	2.582M	22.9	+0.2	+9.3	-13.9	+0.0	18.5	29.5	-11.0	Paral
13	23.230M	23.0	+0.7	+7.3	-13.9	+0.0	17.1	29.5	-12.4	Paral
14	3.395M	8.5	+0.3	+9.3	-13.9	+0.0	4.2	29.5	-25.3	Paral

LV Overhead Test Site #2 Date: 5/1/2006 Time: 15:05:17 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 287 Parallel
Overhead Site 2 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #2 •Squatty Lyons Park on East Hardy Streetlight Pole #488951 • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/1/2006
Test Type:	**Radiated Scan**	Time:	15:10:52
Equipment:	**BPL MV Gateway**	Sequence#:	288
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #2. Squatty Lyons Park on East Hardy Street. Unit on streetlight Pole # 488951. Low voltage wires are 10 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 10 meters. Slant Distance is 13.5 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.5) = -13.9dB. Test Position 11: 10 meters out from medium voltage lines the BPL is connected to 75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

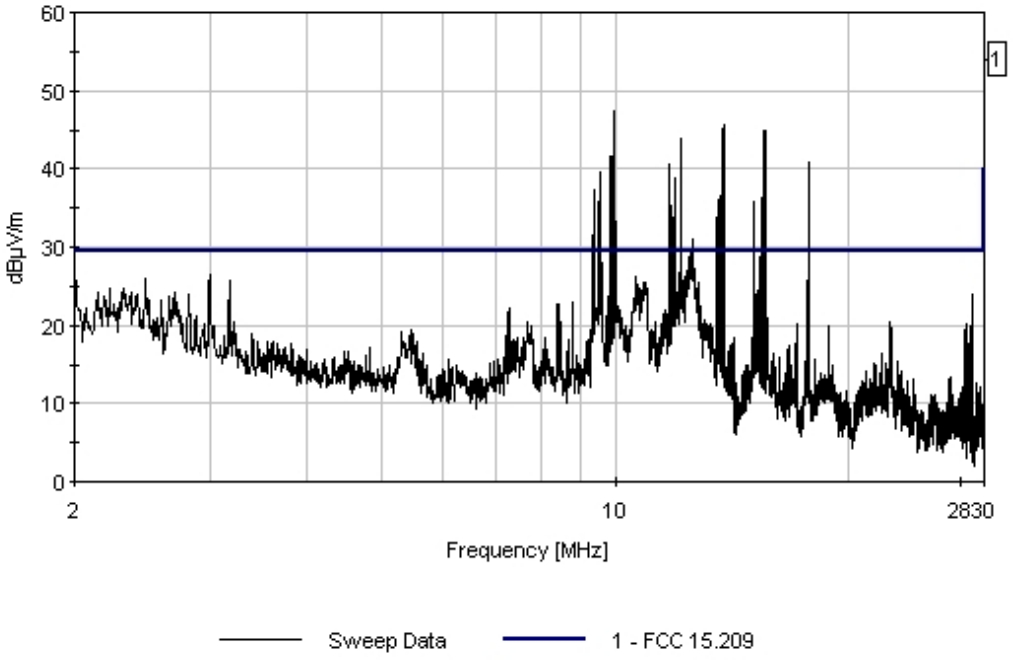
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S2 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	12.520M	28.9	+0.6	+8.8	-13.9		+0.0	24.4	29.5	-5.1	Perpe
2	10.850M	25.8	+0.5	+9.0	-13.9		+0.0	21.4	29.5	-8.1	Perpe
3	2.425M	25.2	+0.2	+9.4	-13.9		+0.0	20.9	29.5	-8.6	Perpe
4	2.150M	24.4	+0.1	+9.4	-13.9		+0.0	20.0	29.5	-9.5	Perpe
5	2.773M	19.8	+0.3	+9.3	-13.9		+0.0	15.5	29.5	-14.0	Perpe
6	14.212M	17.4	+0.6	+8.7	-13.9		+0.0	12.8	29.5	-16.7	Perpe

7	9.477M	14.8	+0.5	+9.1	-13.9	+0.0	10.5	29.5	-19.0	Perpe
8	22.330M	15.6	+0.6	+7.5	-13.9	+0.0	9.8	29.5	-19.7	Perpe
9	27.180M	14.1	+0.7	+6.0	-13.9	+0.0	6.9	29.5	-22.6	Perpe

LV Overhead Test Site #2 Date: 5/1/2006 Time: 15:10:52 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 288 Perpendicular
Overhead Site 2 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	10:36:56
Equipment:	**BPL MV Gateway**	Sequence#:	306
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 1: 12 meters out from low voltage lines the BPL is connected directly across from the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

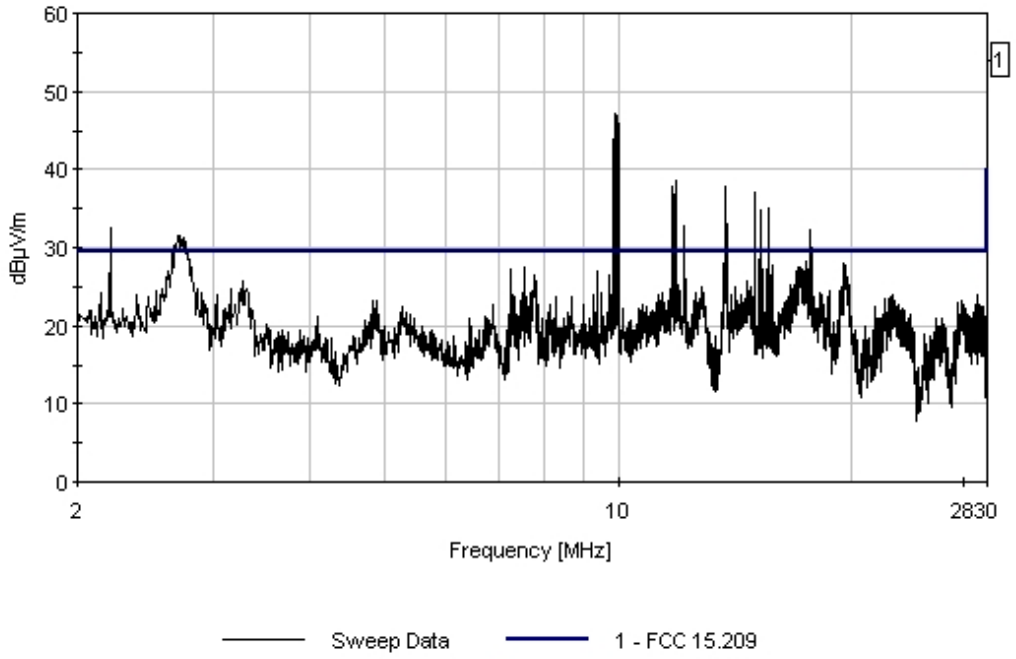
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	19.690M QP	30.8	+0.6	+8.1	-13.4		+0.0	26.1	29.5	-3.4	Perpe
^	19.690M	33.0	+0.6	+8.1	-13.4		+0.0	28.3	29.5	-1.2	Perpe
3	22.710M	30.2	+0.7	+7.4	-13.4		+0.0	24.9	29.5	-4.6	Perpe
4	29.120M	29.8	+0.8	+5.3	-13.4		+0.0	22.5	29.5	-7.0	Perpe
5	27.810M	29.1	+0.8	+5.8	-13.4		+0.0	22.3	29.5	-7.2	Perpe
6	12.688M	26.3	+0.6	+8.8	-13.4		+0.0	22.3	29.5	-7.2	Perpe

7	2.613M	26.1	+0.2	+9.3	-13.4	+0.0	22.2	29.5	-7.3	Perpe
8	14.663M	25.7	+0.6	+8.6	-13.4	+0.0	21.5	29.5	-8.0	Perpe
9	10.600M	25.1	+0.5	+9.0	-13.4	+0.0	21.2	29.5	-8.3	Perpe
10	17.350M QP	24.3	+0.6	+8.3	-13.4	+0.0	19.8	29.5	-9.7	Perpe
^	17.350M	32.6	+0.6	+8.3	-13.4	+0.0	28.0	29.5	-1.5	Perpe
12	2.340M	23.2	+0.2	+9.4	-13.4	+0.0	19.4	29.5	-10.1	Perpe
13	2.155M	22.7	+0.1	+9.4	-13.4	+0.0	18.8	29.5	-10.7	Perpe
14	7.950M	19.6	+0.4	+9.1	-13.4	+0.0	15.6	29.5	-13.9	Perpe
15	7.195M	18.6	+0.4	+9.2	-13.4	+0.0	14.8	29.5	-14.7	Perpe
16	7.445M	17.7	+0.4	+9.1	-13.4	+0.0	13.8	29.5	-15.7	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 10:36:56 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 306 Perpendicular
Overhead Site 3 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:03:23
Equipment:	**BPL MV Gateway**	Sequence#:	307
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 1: 12 meters out from low voltage lines the BPL is connected directly across from the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

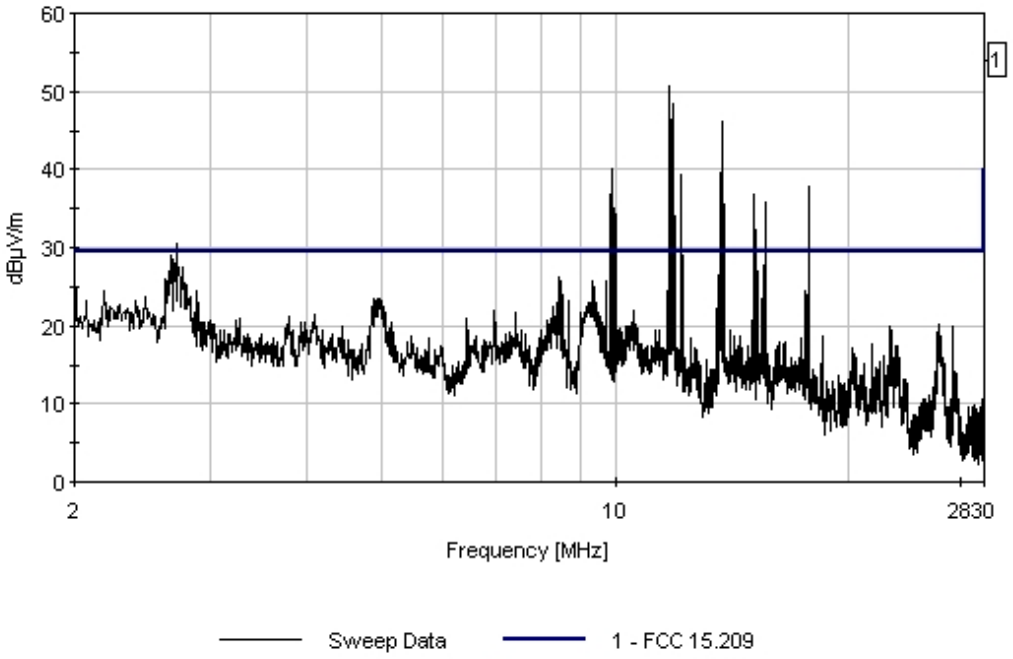
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.848M	26.9	+0.3	+9.2	-13.4		+0.0	23.0	29.5	-6.5	Paral
2	2.658M	24.6	+0.2	+9.3	-13.4		+0.0	20.7	29.5	-8.8	Paral
3	2.368M	23.7	+0.2	+9.4	-13.4		+0.0	19.8	29.5	-9.7	Paral
4	26.280M	26.0	+0.7	+6.4	-13.4		+0.0	19.7	29.5	-9.8	Paral
5	22.630M	24.8	+0.7	+7.4	-13.4		+0.0	19.5	29.5	-10.0	Paral
6	8.365M	22.8	+0.4	+9.1	-13.4		+0.0	18.9	29.5	-10.6	Paral

7	9.045M	21.5	+0.5	+9.1	-13.4	+0.0	17.7	29.5	-11.8	Paral
8	10.600M	21.4	+0.5	+9.0	-13.4	+0.0	17.5	29.5	-12.0	Paral
9	14.230M	20.7	+0.6	+8.7	-13.4	+0.0	16.6	29.5	-12.9	Paral
10	18.480M	19.0	+0.6	+8.2	-13.4	+0.0	14.4	29.5	-15.1	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:03:23 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 307 Parallel
Overhead Site 3 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	10:48:14
Equipment:	**BPL MV Gateway**	Sequence#:	308
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 2: 12 meters out from medium voltage lines the BPL is connected to 4.69 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

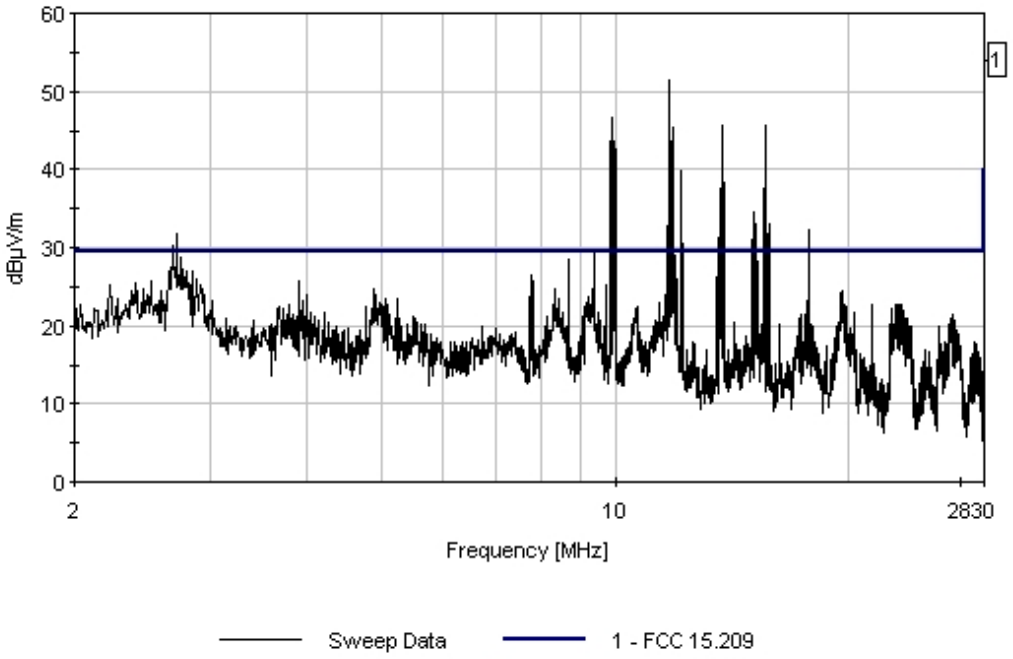
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	19.680M	28.7	+0.6	+8.1	-13.4		+0.0	24.0	29.5	-5.5	Paral
2	8.435M	26.7	+0.4	+9.1	-13.4		+0.0	22.8	29.5	-6.7	Paral
3	4.010M	26.4	+0.3	+9.3	-13.4		+0.0	22.6	29.5	-6.9	Paral
4	23.150M	27.7	+0.7	+7.3	-13.4		+0.0	22.2	29.5	-7.3	Paral
5	2.453M	25.7	+0.2	+9.4	-13.4		+0.0	21.9	29.5	-7.6	Paral
6	23.930M	27.2	+0.7	+7.1	-13.4		+0.0	21.6	29.5	-7.9	Paral

7	11.530M	25.3	+0.5	+8.9	-13.4	+0.0	21.3	29.5	-8.2	Paral
8	4.890M	25.1	+0.3	+9.2	-13.4	+0.0	21.2	29.5	-8.3	Paral
9	27.200M	27.8	+0.7	+6.0	-13.4	+0.0	21.1	29.5	-8.4	Paral
10	2.168M	24.5	+0.1	+9.4	-13.4	+0.0	20.6	29.5	-8.9	Paral
11	2.738M	23.4	+0.3	+9.3	-13.4	+0.0	19.6	29.5	-9.9	Paral
12	26.280M	25.0	+0.7	+6.4	-13.4	+0.0	18.7	29.5	-10.8	Paral
13	15.430M	22.3	+0.6	+8.6	-13.4	+0.0	18.1	29.5	-11.4	Paral
14	29.050M	23.9	+0.8	+5.3	-13.4	+0.0	16.6	29.5	-12.9	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 10:48:14 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 308 Parallel
Overhead Site 3 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	10:56:34
Equipment:	**BPL MV Gateway**	Sequence#:	309
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 2: 12 meters out from medium voltage lines the BPL is connected to 4.69 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

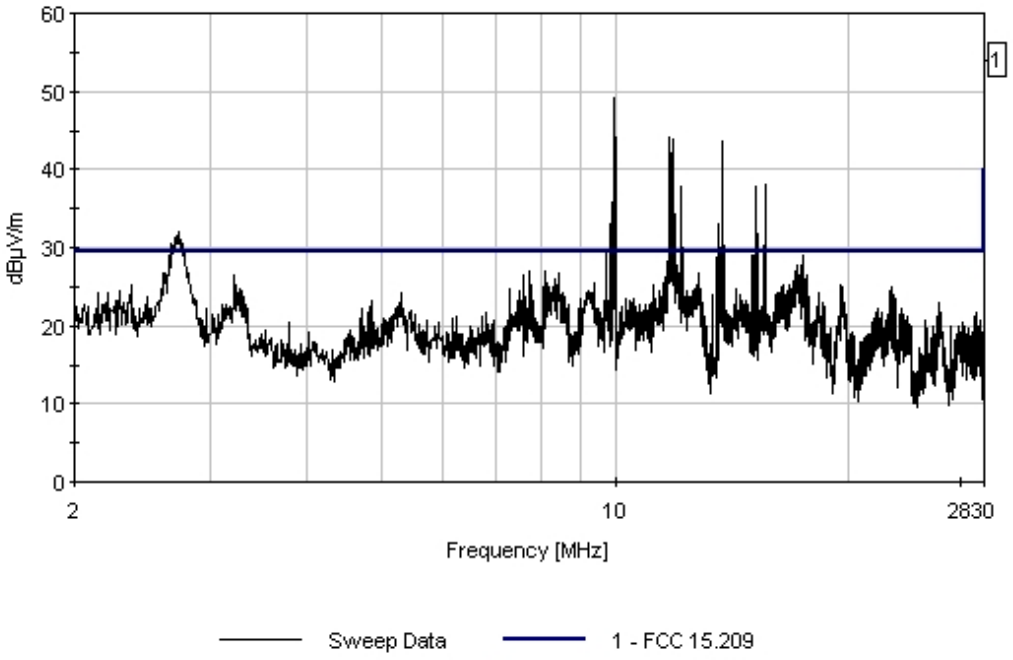
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	8.125M	27.6	+0.4	+9.1	-13.4		+0.0	23.7	29.5	-5.8	Perpe
2 QP	19.689M	28.2	+0.6	+8.1	-13.4		+0.0	23.5	29.5	-6.0	Perpe
^	19.689M	30.5	+0.6	+8.1	-13.4		+0.0	25.8	29.5	-3.7	Perpe
4	11.513M	27.2	+0.5	+8.9	-13.4		+0.0	23.2	29.5	-6.3	Perpe
5	8.530M	26.9	+0.5	+9.1	-13.4		+0.0	23.1	29.5	-6.4	Perpe
6	26.280M	28.6	+0.7	+6.4	-13.4		+0.0	22.2	29.5	-7.3	Perpe

7	12.700M	25.9	+0.6	+8.8	-13.4	+0.0	21.9	29.5	-7.6	Perpe
8	22.080M	27.1	+0.6	+7.6	-13.4	+0.0	21.8	29.5	-7.7	Perpe
9	17.460M QP	25.8	+0.6	+8.3	-13.4	+0.0	21.3	29.5	-8.2	Perpe
^	17.460M	32.2	+0.6	+8.3	-13.4	+0.0	27.7	29.5	-1.8	Perpe
11	9.317M	24.6	+0.5	+9.1	-13.4	+0.0	20.8	29.5	-8.7	Perpe
12	23.930M	26.1	+0.7	+7.1	-13.4	+0.0	20.5	29.5	-9.0	Perpe
13	29.700M	28.0	+0.8	+5.1	-13.4	+0.0	20.5	29.5	-9.0	Perpe
14	2.390M	24.1	+0.2	+9.4	-13.4	+0.0	20.2	29.5	-9.3	Perpe
15	14.375M	22.8	+0.6	+8.7	-13.4	+0.0	18.7	29.5	-10.8	Perpe
16	2.940M	22.6	+0.3	+9.3	-13.4	+0.0	18.7	29.5	-10.8	Perpe
17	3.710M	18.8	+0.3	+9.3	-13.4	+0.0	15.0	29.5	-14.5	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 10:56:34 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 309 Perpendicular
Overhead Site 3 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:08:45
Equipment:	**BPL MV Gateway**	Sequence#:	310
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 3: 12 meters out from medium voltage lines the BPL is connected to 9.38 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

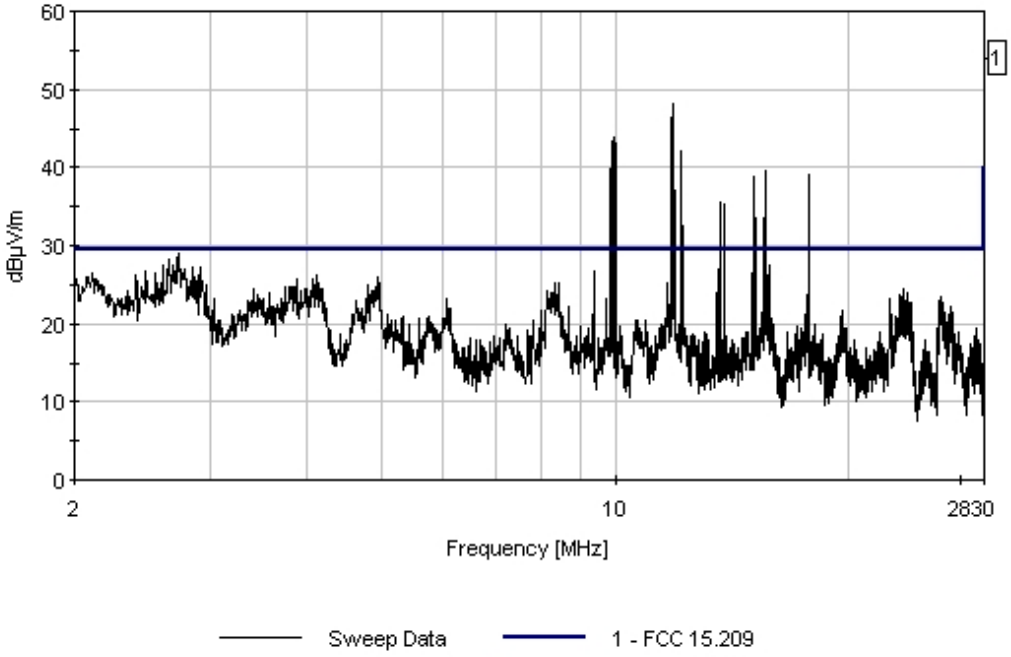
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.705M	28.7	+0.2	+9.3	-13.4		+0.0	24.8	29.5	-4.7	Paral
2	2.190M	27.2	+0.1	+9.4	-13.4		+0.0	23.3	29.5	-6.2	Paral
3	24.080M	28.6	+0.7	+7.1	-13.4		+0.0	23.0	29.5	-6.5	Paral
4	26.280M	29.0	+0.7	+6.4	-13.4		+0.0	22.7	29.5	-6.8	Paral
5	4.125M	25.8	+0.3	+9.2	-13.4		+0.0	21.9	29.5	-7.6	Paral
6	3.820M	24.8	+0.3	+9.3	-13.4		+0.0	21.0	29.5	-8.5	Paral

7	3.570M	24.6	+0.3	+9.3	-13.4	+0.0	20.8	29.5	-8.7	Paral
8	4.670M	24.4	+0.3	+9.2	-13.4	+0.0	20.5	29.5	-9.0	Paral
9	22.700M	25.7	+0.7	+7.4	-13.4	+0.0	20.4	29.5	-9.1	Paral
10	19.530M	25.1	+0.6	+8.1	-13.4	+0.0	20.4	29.5	-9.1	Paral
11	8.227M	24.0	+0.4	+9.1	-13.4	+0.0	20.1	29.5	-9.4	Paral
12	4.815M	23.5	+0.3	+9.2	-13.4	+0.0	19.6	29.5	-9.9	Paral
13	10.650M	21.8	+0.5	+9.0	-13.4	+0.0	17.9	29.5	-11.6	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:08:45 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 310 Parallel
Overhead Site 3 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:13:01
Equipment:	**BPL MV Gateway**	Sequence#:	311
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 3: 12 meters out from medium voltage lines the BPL is connected to 9.38 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

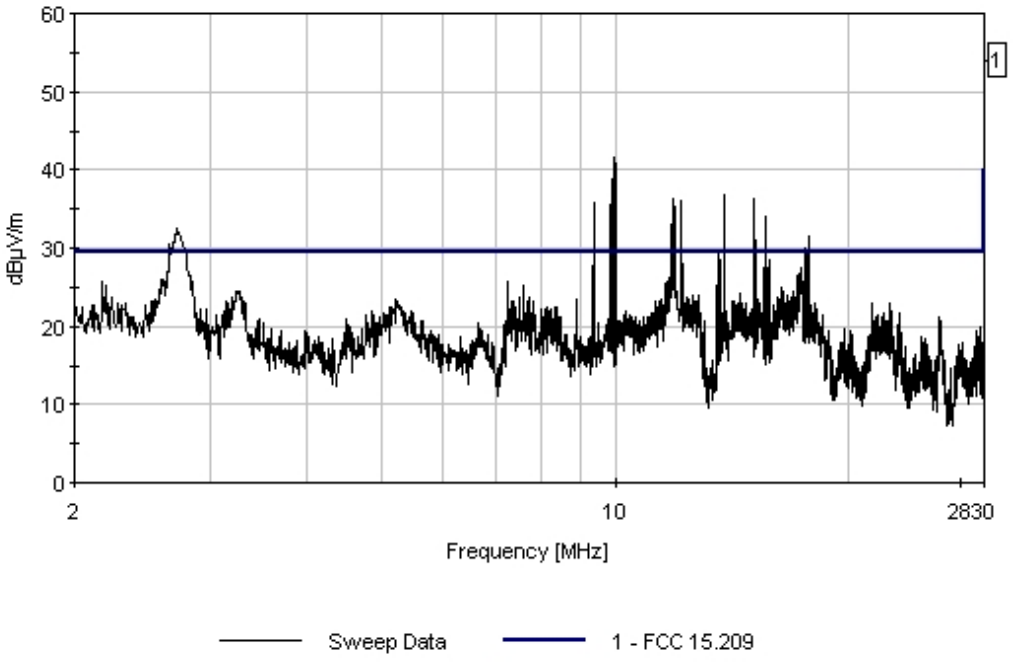
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	16.450M	28.6	+0.6	+8.4	-13.4		+0.0	24.2	29.5	-5.3	Perpe
2	17.280M	28.4	+0.6	+8.4	-13.4		+0.0	24.0	29.5	-5.5	Perpe
3	21.800M	27.4	+0.6	+7.6	-13.4		+0.0	22.2	29.5	-7.3	Perpe
4	14.780M	26.1	+0.6	+8.6	-13.4		+0.0	21.9	29.5	-7.6	Perpe
5	12.550M	24.9	+0.6	+8.8	-13.4		+0.0	20.9	29.5	-8.6	Perpe
6	23.300M	26.0	+0.7	+7.3	-13.4		+0.0	20.6	29.5	-8.9	Perpe

7	26.280M	26.8	+0.7	+6.4	-13.4	+0.0	20.5	29.5	-9.0	Perpe
8	2.550M	23.0	+0.2	+9.3	-13.4	+0.0	19.1	29.5	-10.4	Perpe
9	29.400M	26.2	+0.8	+5.2	-13.4	+0.0	18.7	29.5	-10.8	Perpe
10	7.780M	22.3	+0.4	+9.1	-13.4	+0.0	18.4	29.5	-11.1	Perpe
11	3.130M	21.9	+0.3	+9.3	-13.4	+0.0	18.1	29.5	-11.4	Perpe
12	8.135M	21.7	+0.4	+9.1	-13.4	+0.0	17.8	29.5	-11.7	Perpe
13	8.975M	21.3	+0.5	+9.1	-13.4	+0.0	17.5	29.5	-12.0	Perpe
14	3.550M	20.8	+0.3	+9.3	-13.4	+0.0	17.0	29.5	-12.5	Perpe
15	7.080M	20.4	+0.4	+9.2	-13.4	+0.0	16.6	29.5	-12.9	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:13:01 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 311 Perpendicular
Overhead Site 3 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:16:29
Equipment:	**BPL MV Gateway**	Sequence#:	312
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 4: 12 meters out from medium voltage lines the BPL is connected to 14.06 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

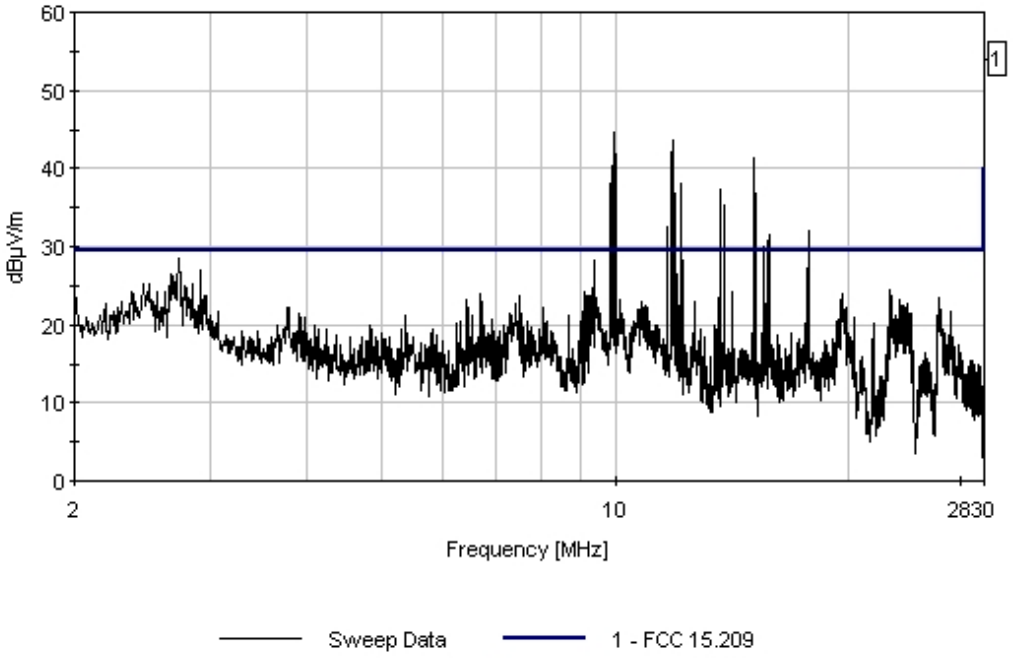
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	19.700M	29.1	+0.6	+8.1	-13.4		+0.0	24.4	29.5	-5.1	Paral
2	26.280M	29.4	+0.7	+6.4	-13.4		+0.0	23.1	29.5	-6.4	Paral
3	23.450M	27.9	+0.7	+7.2	-13.4		+0.0	22.4	29.5	-7.1	Paral
4	10.600M	25.8	+0.5	+9.0	-13.4		+0.0	21.9	29.5	-7.6	Paral
5	22.800M	26.9	+0.7	+7.4	-13.4		+0.0	21.6	29.5	-7.9	Paral
6	27.380M	27.3	+0.7	+6.0	-13.4		+0.0	20.6	29.5	-8.9	Paral

7	2.278M	24.4	+0.2	+9.4	-13.4	+0.0	20.6	29.5	-8.9	Paral
8	8.120M	23.5	+0.4	+9.1	-13.4	+0.0	19.6	29.5	-9.9	Paral
9	2.503M	22.9	+0.2	+9.3	-13.4	+0.0	19.0	29.5	-10.5	Paral
10	2.690M	22.3	+0.2	+9.3	-13.4	+0.0	18.3	29.5	-11.2	Paral
11	12.580M	22.1	+0.6	+8.8	-13.4	+0.0	18.0	29.5	-11.5	Paral
12	9.545M	21.4	+0.5	+9.1	-13.4	+0.0	17.6	29.5	-11.9	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:16:29 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 312 Parallel
Overhead Site 3 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:20:47
Equipment:	**BPL MV Gateway**	Sequence#:	313
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 4: 12 meters out from medium voltage lines the BPL is connected to 14.06 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

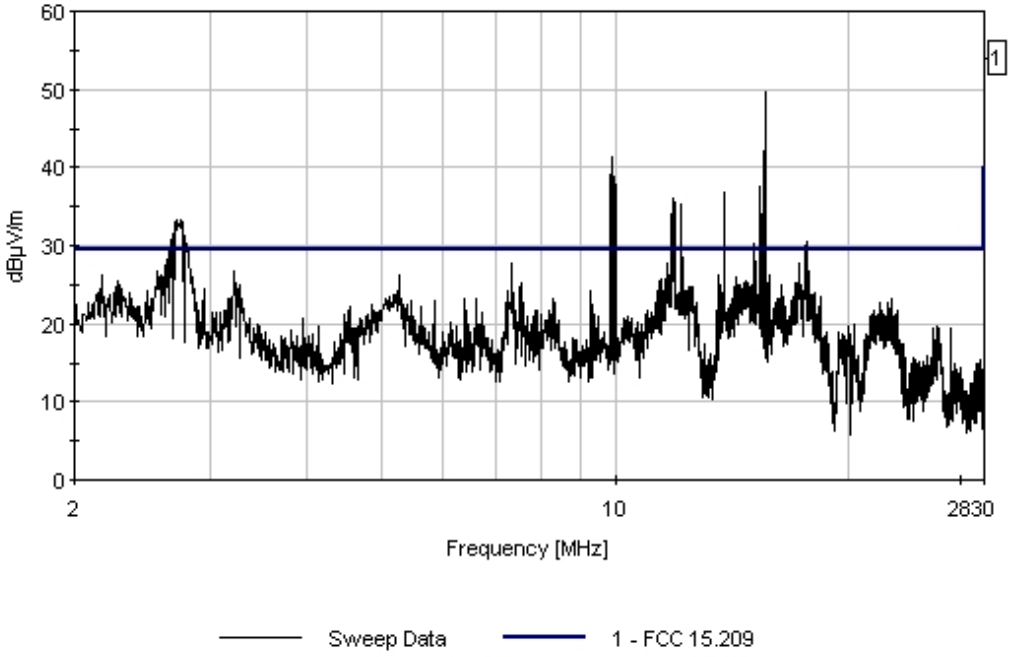
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	14.680M	28.8	+0.6	+8.6	-13.4		+0.0	24.6	29.5	-4.9	Perpe
2	11.500M	27.8	+0.5	+8.9	-13.4		+0.0	23.8	29.5	-5.7	Perpe
3	16.380M	27.6	+0.6	+8.4	-13.4		+0.0	23.2	29.5	-6.3	Perpe
4	12.530M	27.2	+0.6	+8.8	-13.4		+0.0	23.2	29.5	-6.3	Perpe
5	17.450M	27.4	+0.6	+8.3	-13.4		+0.0	22.9	29.5	-6.6	Perpe
6	5.195M	26.7	+0.3	+9.2	-13.4		+0.0	22.8	29.5	-6.7	Perpe

7	22.600M	27.3	+0.7	+7.4	-13.4	+0.0	22.0	29.5	-7.5	Perpe
8	21.630M	26.5	+0.6	+7.7	-13.4	+0.0	21.4	29.5	-8.1	Perpe
9	26.280M	25.9	+0.7	+6.4	-13.4	+0.0	19.6	29.5	-9.9	Perpe
10	2.105M	22.5	+0.1	+9.4	-13.4	+0.0	18.6	29.5	-10.9	Perpe
11	3.295M	22.1	+0.3	+9.3	-13.4	+0.0	18.3	29.5	-11.2	Perpe
12	2.590M	22.0	+0.2	+9.3	-13.4	+0.0	18.1	29.5	-11.4	Perpe
13	3.020M	21.3	+0.3	+9.3	-13.4	+0.0	17.5	29.5	-12.0	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:20:47 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 313 Perpendicular
Overhead Site 3 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:24:56
Equipment:	**BPL MV Gateway**	Sequence#:	314
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 5: 12 meters out from medium voltage lines the BPL is connected to 18.75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

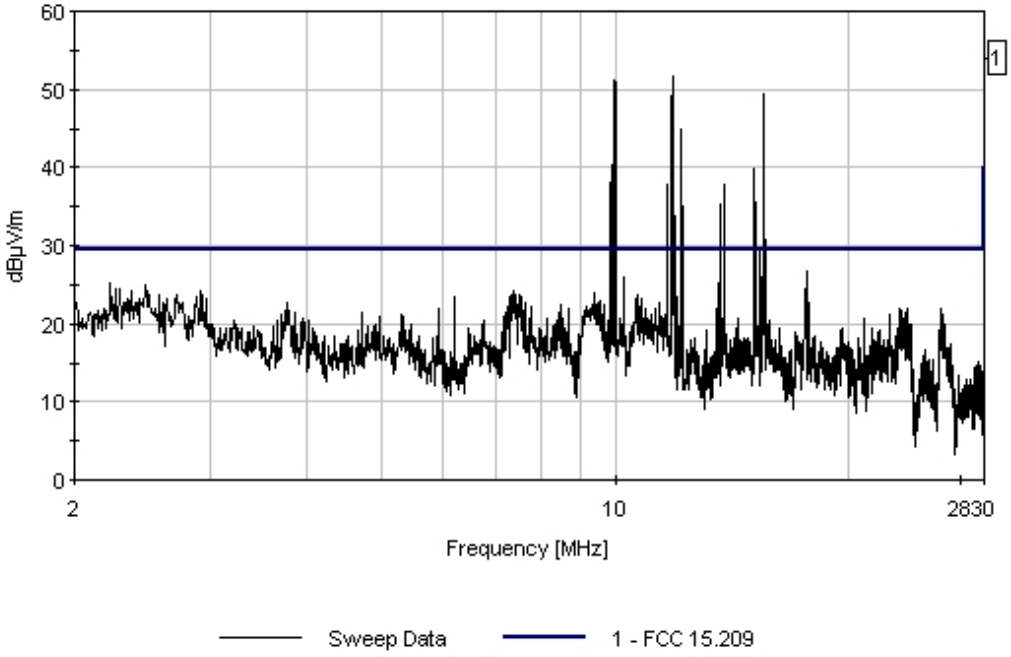
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	23.930M	27.0	+0.7	+7.1	-13.4		+0.0	21.4	29.5	-8.1	Paral
2	9.330M	24.9	+0.5	+9.1	-13.4		+0.0	21.1	29.5	-8.4	Paral
3	26.580M	27.0	+0.7	+6.3	-13.4		+0.0	20.6	29.5	-8.9	Paral
4	10.790M	24.5	+0.5	+9.0	-13.4		+0.0	20.6	29.5	-8.9	Paral
5	21.480M	25.6	+0.6	+7.7	-13.4		+0.0	20.5	29.5	-9.0	Paral
6	2.300M	23.4	+0.2	+9.4	-13.4		+0.0	19.6	29.5	-9.9	Paral

7	18.130M	22.8	+0.6	+8.3	-13.4	+0.0	18.3	29.5	-11.2	Paral
8	2.545M	22.2	+0.2	+9.3	-13.4	+0.0	18.3	29.5	-11.2	Paral
9	19.730M	22.7	+0.6	+8.1	-13.4	+0.0	18.0	29.5	-11.5	Paral
10	2.830M	21.7	+0.3	+9.3	-13.4	+0.0	17.9	29.5	-11.6	Paral
11	7.393M	21.6	+0.4	+9.2	-13.4	+0.0	17.8	29.5	-11.7	Paral
12	25.180M	23.1	+0.7	+6.8	-13.4	+0.0	17.2	29.5	-12.3	Paral
13	29.700M	22.4	+0.8	+5.1	-13.4	+0.0	14.9	29.5	-14.6	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:24:56 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 314 Parallel
Overhead Site 3 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:31:05
Equipment:	**BPL MV Gateway**	Sequence#:	315
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 5: 12 meters out from medium voltage lines the BPL is connected to 18.75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

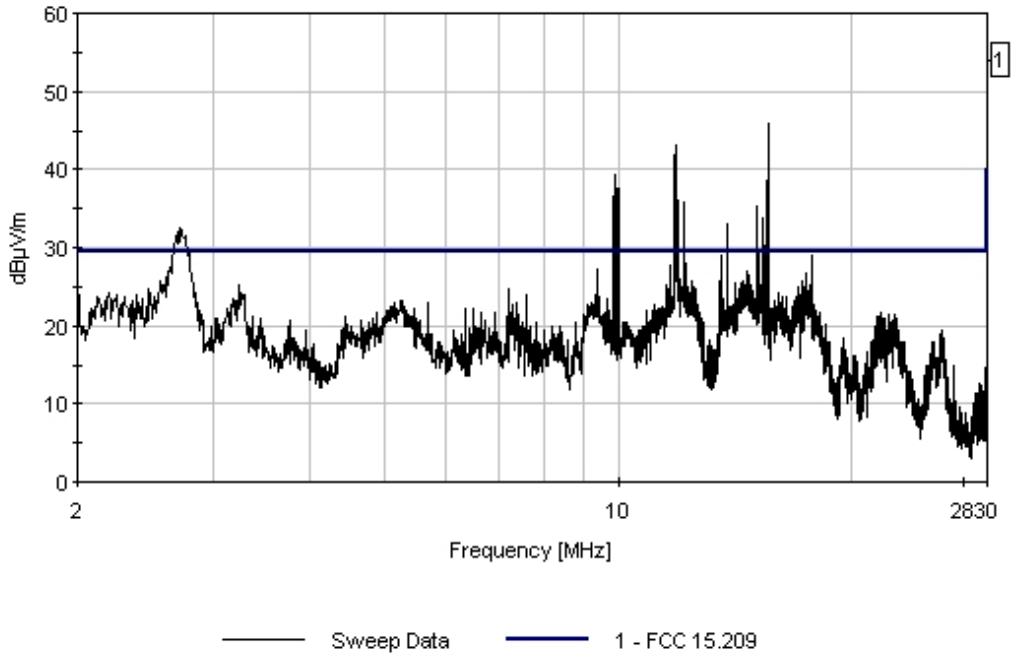
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	15.243M	29.7	+0.6	+8.6	-13.4		+0.0	25.5	29.5	-4.0	Perpe
2	17.551M	29.7	+0.6	+8.3	-13.4		+0.0	25.2	29.5	-4.3	Perpe
3	11.625M	28.6	+0.5	+8.9	-13.4		+0.0	24.6	29.5	-4.9	Perpe
4	14.655M	27.2	+0.6	+8.6	-13.4		+0.0	23.0	29.5	-6.5	Perpe
5	2.575M	25.7	+0.2	+9.3	-13.4		+0.0	21.8	29.5	-7.7	Perpe
6	9.720M	25.3	+0.5	+9.1	-13.4		+0.0	21.5	29.5	-8.0	Perpe

7	22.039M	25.9	+0.6	+7.6	-13.4	+0.0	20.7	29.5	-8.8	Perpe
8	3.130M	24.4	+0.3	+9.3	-13.4	+0.0	20.6	29.5	-8.9	Perpe
9	26.250M	25.3	+0.7	+6.4	-13.4	+0.0	19.0	29.5	-10.5	Perpe
10	4.455M	22.9	+0.3	+9.2	-13.4	+0.0	19.0	29.5	-10.5	Perpe
11	4.815M	22.7	+0.3	+9.2	-13.4	+0.0	18.7	29.5	-10.8	Perpe
12	23.045M	23.8	+0.7	+7.3	-13.4	+0.0	18.4	29.5	-11.1	Perpe
13	18.383M	22.5	+0.6	+8.2	-13.4	+0.0	17.9	29.5	-11.6	Perpe
14	25.188M	23.4	+0.7	+6.8	-13.4	+0.0	17.5	29.5	-12.0	Perpe
15	3.675M	20.0	+0.3	+9.3	-13.4	+0.0	16.2	29.5	-13.3	Perpe
16	29.400M	22.4	+0.8	+5.2	-13.4	+0.0	15.0	29.5	-14.5	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:31:05 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 315 Perpendicular
Overhead Site 3 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:39:54
Equipment:	**BPL MV Gateway**	Sequence#:	316
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 6: 12 meters out from medium voltage lines the BPL is connected to 28.13 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

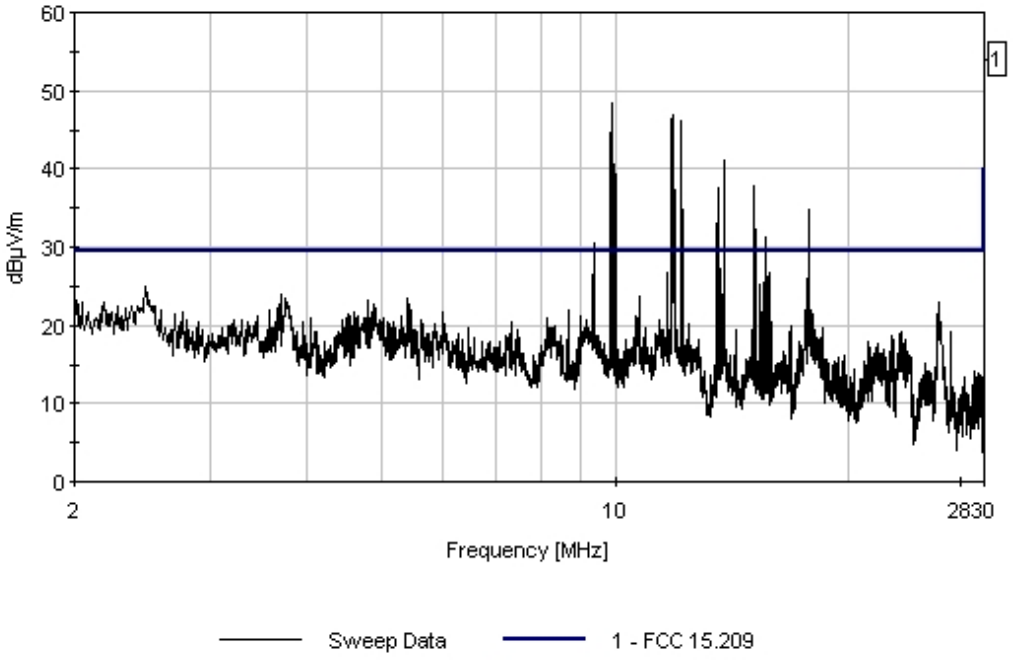
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.870M	25.8	+0.3	+9.3	-13.4		+0.0	22.0	29.5	-7.5	Paral
2	26.280M	28.1	+0.7	+6.4	-13.4		+0.0	21.8	29.5	-7.7	Paral
3	18.080M	24.3	+0.6	+8.3	-13.4		+0.0	19.8	29.5	-9.7	Paral
4	3.425M	22.8	+0.3	+9.3	-13.4		+0.0	19.0	29.5	-10.5	Paral
5	23.450M	24.4	+0.7	+7.2	-13.4		+0.0	18.9	29.5	-10.6	Paral
6	2.275M	22.1	+0.2	+9.4	-13.4		+0.0	18.3	29.5	-11.2	Paral

7	10.580M	20.6	+0.5	+9.0	-13.4	+0.0	16.7	29.5	-12.8	Paral
8	21.880M	21.5	+0.6	+7.6	-13.4	+0.0	16.3	29.5	-13.2	Paral
9	29.680M	20.4	+0.8	+5.1	-13.4	+0.0	12.9	29.5	-16.6	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:39:54 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 316 Parallel
Overhead Site 3 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:47:19
Equipment:	**BPL MV Gateway**	Sequence#:	317
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 6: 12 meters out from medium voltage lines the BPL is connected to 28.13 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

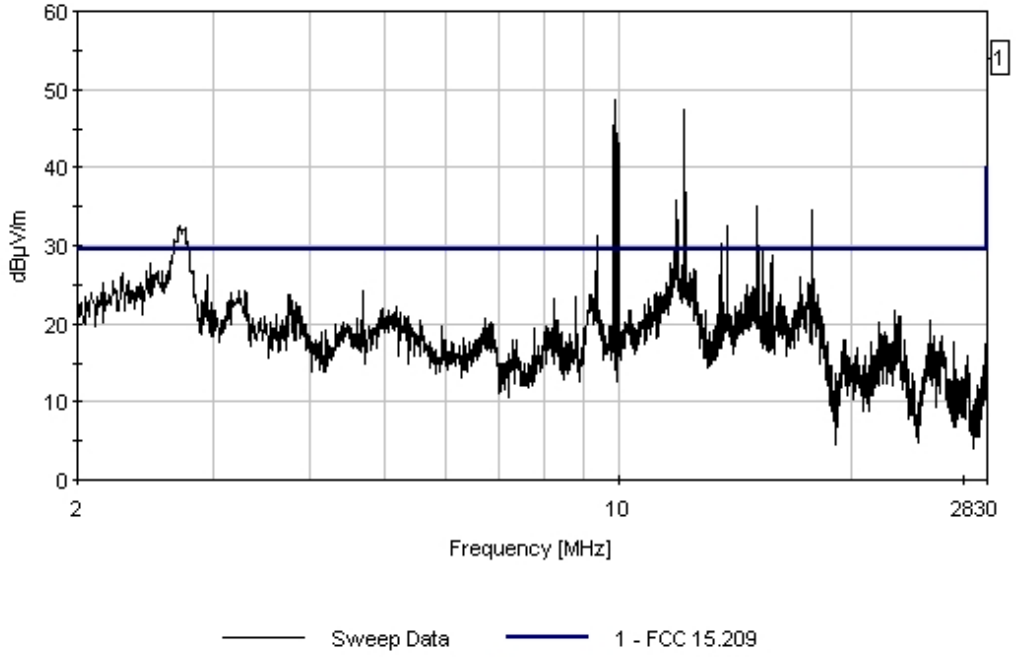
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	14.780M	27.4	+0.6	+8.6	-13.4		+0.0	23.2	29.5	-6.3	Perpe
2	16.400M	27.5	+0.6	+8.4	-13.4		+0.0	23.1	29.5	-6.4	Perpe
3	11.530M	26.9	+0.5	+8.9	-13.4		+0.0	22.9	29.5	-6.6	Perpe
4	17.250M	25.9	+0.6	+8.4	-13.4		+0.0	21.5	29.5	-8.0	Perpe
5	12.520M	25.1	+0.6	+8.8	-13.4		+0.0	21.1	29.5	-8.4	Perpe
6	9.440M	24.9	+0.5	+9.1	-13.4		+0.0	21.1	29.5	-8.4	Perpe

7	2.865M	24.8	+0.3	+9.3	-13.4	+0.0	21.0	29.5	-8.5	Perpe
8	22.830M	24.5	+0.7	+7.4	-13.4	+0.0	19.2	29.5	-10.3	Perpe
9	3.420M	23.0	+0.3	+9.3	-13.4	+0.0	19.2	29.5	-10.3	Perpe
10	2.390M	22.4	+0.2	+9.4	-13.4	+0.0	18.6	29.5	-10.9	Perpe
11	22.200M	23.3	+0.6	+7.5	-13.4	+0.0	18.0	29.5	-11.5	Perpe
12	25.580M	23.9	+0.7	+6.7	-13.4	+0.0	17.9	29.5	-11.6	Perpe
13	26.280M	23.6	+0.7	+6.4	-13.4	+0.0	17.3	29.5	-12.2	Perpe
14	19.730M	20.5	+0.6	+8.1	-13.4	+0.0	15.8	29.5	-13.7	Perpe
15	29.930M	22.6	+0.8	+5.0	-13.4	+0.0	14.9	29.5	-14.6	Perpe
16	28.250M	21.6	+0.8	+5.6	-13.4	+0.0	14.6	29.5	-14.9	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:47:19 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 317 Perpendicular
Overhead Site 3 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:52:07
Equipment:	**BPL MV Gateway**	Sequence#:	318
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 7: 12 meters out from medium voltage lines the BPL is connected to 37.5 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

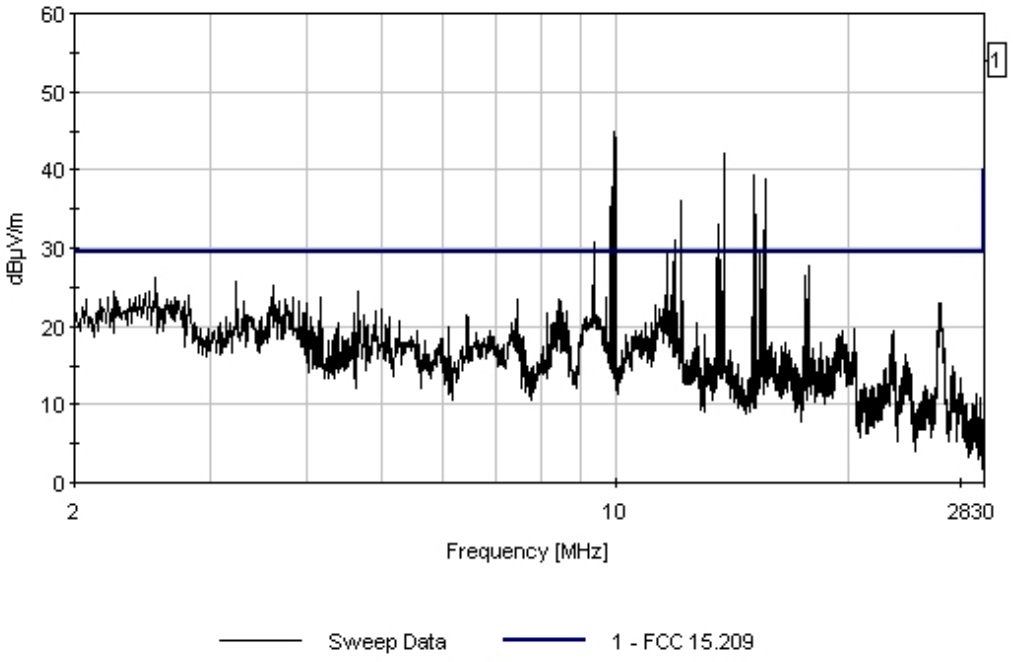
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	26.280M	29.3	+0.7	+6.4	-13.4		+0.0	23.0	29.5	-6.5	Paral
2	8.280M	25.6	+0.4	+9.1	-13.4		+0.0	21.7	29.5	-7.8	Paral
3	2.620M	24.8	+0.2	+9.3	-13.4		+0.0	20.9	29.5	-8.6	Paral
4	2.175M	24.3	+0.1	+9.4	-13.4		+0.0	20.4	29.5	-9.1	Paral
5	9.265M	23.2	+0.5	+9.1	-13.4		+0.0	19.4	29.5	-10.1	Paral
6	22.830M	22.9	+0.7	+7.4	-13.4		+0.0	17.6	29.5	-11.9	Paral

7	3.205M	20.9	+0.3	+9.3	-13.4	+0.0	17.1	29.5	-12.4	Paral
8	11.180M	20.8	+0.5	+9.0	-13.4	+0.0	16.9	29.5	-12.6	Paral
9	19.500M	21.4	+0.6	+8.1	-13.4	+0.0	16.7	29.5	-12.8	Paral
10	3.745M	20.2	+0.3	+9.3	-13.4	+0.0	16.4	29.5	-13.1	Paral
11	23.930M	21.2	+0.7	+7.1	-13.4	+0.0	15.6	29.5	-13.9	Paral
12	16.130M	19.9	+0.6	+8.5	-13.4	+0.0	15.6	29.5	-13.9	Paral
13	28.000M	19.8	+0.8	+5.7	-13.4	+0.0	12.9	29.5	-16.6	Paral
14	29.200M	19.6	+0.8	+5.3	-13.4	+0.0	12.3	29.5	-17.2	Paral
15	20.980M	16.9	+0.6	+7.8	-13.4	+0.0	11.9	29.5	-17.6	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:52:07 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 318 Parallel
Overhead Site 3 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:55:46
Equipment:	**BPL MV Gateway**	Sequence#:	319
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 7: 12 meters out from medium voltage lines the BPL is connected to 37.5 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

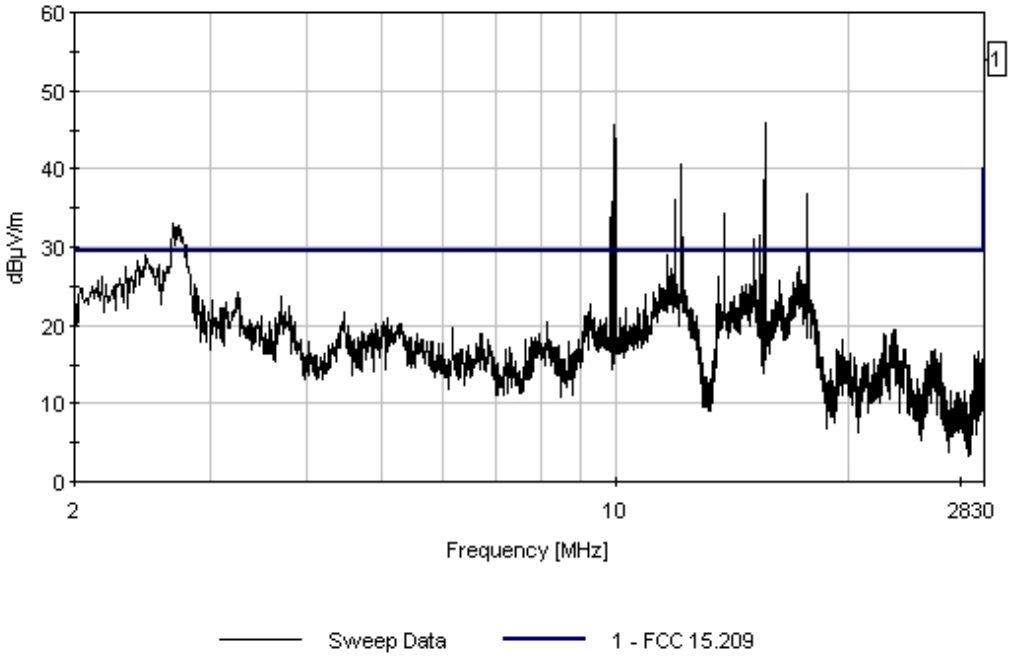
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	9.440M	28.9	+0.5	+9.1	-13.4		+0.0	25.1	29.5	-4.4	Perpe
2	14.860M	29.2	+0.6	+8.6	-13.4		+0.0	25.0	29.5	-4.5	Perpe
3	11.830M	28.9	+0.5	+8.9	-13.4		+0.0	24.9	29.5	-4.6	Perpe
4	17.360M	27.6	+0.6	+8.3	-13.4		+0.0	23.0	29.5	-6.5	Perpe
5	2.150M	23.6	+0.1	+9.4	-13.4		+0.0	19.7	29.5	-9.8	Perpe
6	22.930M	24.5	+0.7	+7.4	-13.4		+0.0	19.2	29.5	-10.3	Perpe
7	2.555M	22.4	+0.2	+9.3	-13.4		+0.0	18.5	29.5	-11.0	Perpe
8	2.920M	21.7	+0.3	+9.3	-13.4		+0.0	17.9	29.5	-11.6	Perpe

9	3.380M	19.7	+0.3	+9.3	-13.4	+0.0	15.9	29.5	-13.6	Perpe
10	29.580M	23.2	+0.8	+5.1	-13.4	+0.0	15.7	29.5	-13.8	Perpe
11	26.000M	21.2	+0.7	+6.5	-13.4	+0.0	15.0	29.5	-14.5	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:55:46 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 319 Perpendicular
Overhead Site 3 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	11:59:53
Equipment:	**BPL MV Gateway**	Sequence#:	320
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 8: 12 meters out from medium voltage lines the BPL is connected to 46.88 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

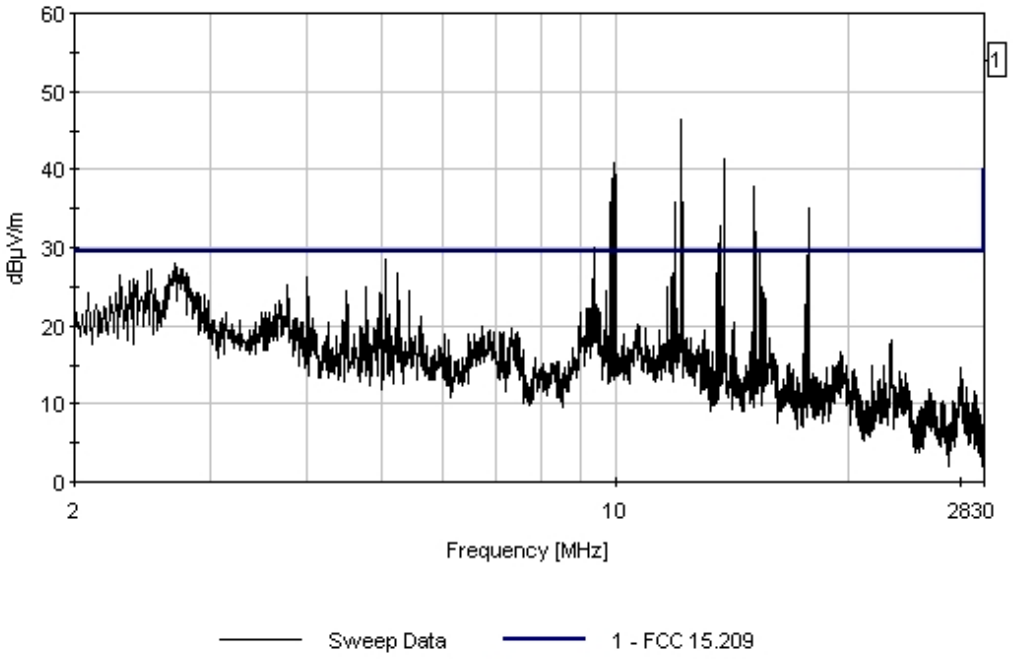
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.720M	22.9	+0.3	+9.3	-13.4		+0.0	19.1	29.5	-10.4	Paral
2	2.200M	22.9	+0.1	+9.4	-13.4		+0.0	19.0	29.5	-10.5	Paral
3	3.285M	22.3	+0.3	+9.3	-13.4		+0.0	18.5	29.5	-11.0	Paral
4	10.710M	22.0	+0.5	+9.0	-13.4		+0.0	18.1	29.5	-11.4	Paral
5	12.690M	21.1	+0.6	+8.8	-13.4		+0.0	17.1	29.5	-12.4	Paral
6	15.990M	20.9	+0.6	+8.5	-13.4		+0.0	16.6	29.5	-12.9	Paral

7	19.620M	20.4	+0.6	+8.1	-13.4	+0.0	15.7	29.5	-13.8	Paral
8	22.680M	20.5	+0.7	+7.4	-13.4	+0.0	15.2	29.5	-14.3	Paral
9	3.740M	18.9	+0.3	+9.3	-13.4	+0.0	15.1	29.5	-14.4	Paral
10	28.000M	19.2	+0.8	+5.7	-13.4	+0.0	12.2	29.5	-17.3	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 11:59:53 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 320 Parallel
Overhead Site 3 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	12:03:38
Equipment:	**BPL MV Gateway**	Sequence#:	321
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 8: 12 meters out from medium voltage lines the BPL is connected to 46.88 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

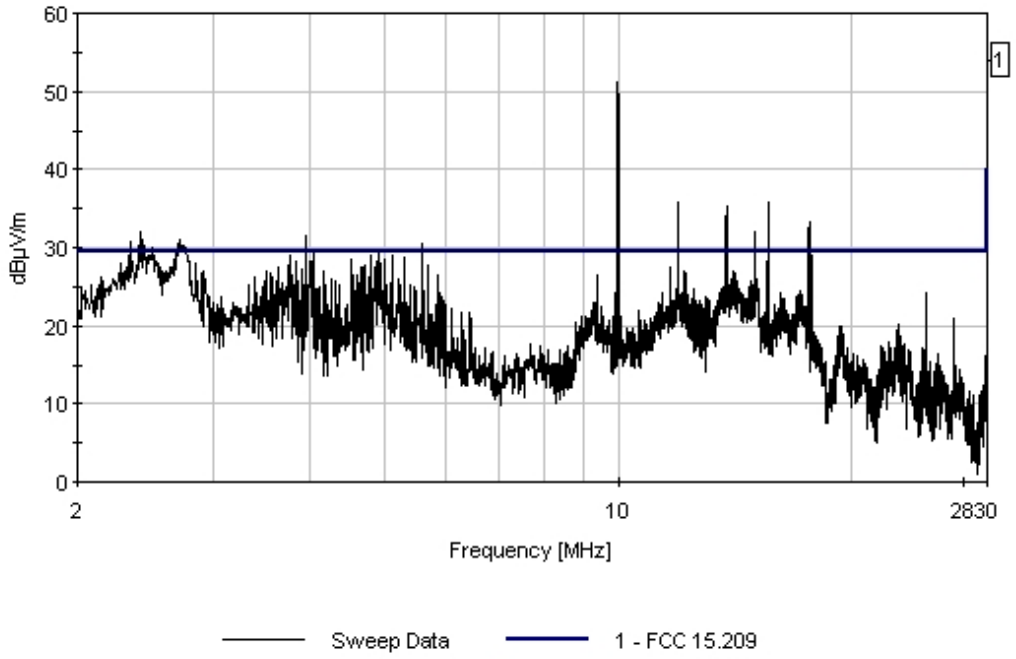
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	15.190M	28.6	+0.6	+8.6	-13.4		+0.0	24.4	29.5	-5.1	Perpe
2	14.010M	26.7	+0.6	+8.7	-13.4		+0.0	22.6	29.5	-6.9	Perpe
3	17.330M	26.7	+0.6	+8.3	-13.4		+0.0	22.2	29.5	-7.3	Perpe
4	16.210M	26.5	+0.6	+8.5	-13.4		+0.0	22.2	29.5	-7.3	Perpe
5	12.000M	25.9	+0.5	+8.9	-13.4		+0.0	21.9	29.5	-7.6	Perpe
6	3.175M	25.2	+0.3	+9.3	-13.4		+0.0	21.3	29.5	-8.2	Perpe

7	23.080M	24.5	+0.7	+7.3	-13.4	+0.0	19.1	29.5	-10.4	Perpe
8	2.890M	22.9	+0.3	+9.3	-13.4	+0.0	19.1	29.5	-10.4	Perpe
9	9.600M	21.9	+0.5	+9.1	-13.4	+0.0	18.1	29.5	-11.4	Perpe
10	19.560M	22.2	+0.6	+8.1	-13.4	+0.0	17.5	29.5	-12.0	Perpe
11	3.485M	20.8	+0.3	+9.3	-13.4	+0.0	17.0	29.5	-12.5	Perpe
12	25.780M	21.6	+0.7	+6.6	-13.4	+0.0	15.5	29.5	-14.0	Perpe
13	29.900M	22.2	+0.8	+5.0	-13.4	+0.0	14.6	29.5	-14.9	Perpe
14	5.600M	18.3	+0.3	+9.2	-13.4	+0.0	14.4	29.5	-15.1	Perpe
15	27.750M	19.9	+0.8	+5.8	-13.4	+0.0	13.1	29.5	-16.4	Perpe
16	2.370M	16.9	+0.2	+9.4	-13.4	+0.0	13.1	29.5	-16.4	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 12:03:38 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 321 Perpendicular
Overhead Site 3 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	12:07:43
Equipment:	**BPL MV Gateway**	Sequence#:	322
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 9: 12 meters out from medium voltage lines the BPL is connected to 56.25 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

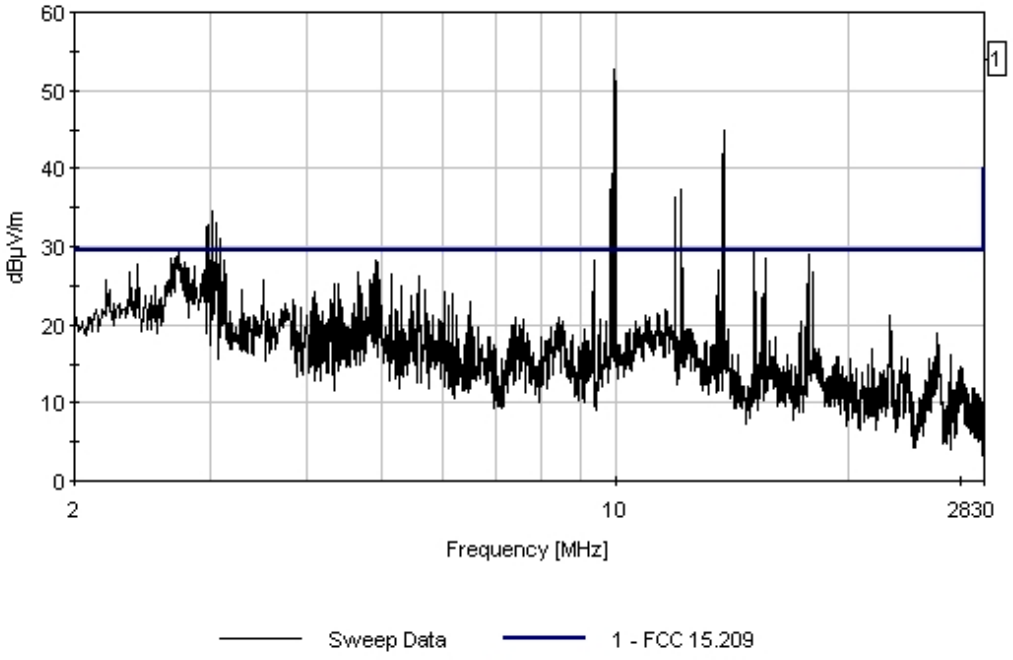
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	10.700M	23.1	+0.5	+9.0	-13.4		+0.0	19.2	29.5	-10.3	Paral
2	2.710M	23.0	+0.2	+9.3	-13.4		+0.0	19.1	29.5	-10.4	Paral
3	26.130M	25.1	+0.7	+6.4	-13.4		+0.0	18.8	29.5	-10.7	Paral
4	2.190M	22.2	+0.1	+9.4	-13.4		+0.0	18.3	29.5	-11.2	Paral
5	3.500M	21.4	+0.3	+9.3	-13.4		+0.0	17.6	29.5	-11.9	Paral
6	3.115M	20.9	+0.3	+9.3	-13.4		+0.0	17.1	29.5	-12.4	Paral

7	18.130M	21.5	+0.6	+8.3	-13.4	+0.0	17.0	29.5	-12.5	Paral
8	4.697M	20.5	+0.3	+9.2	-13.4	+0.0	16.6	29.5	-12.9	Paral
9	16.230M	19.9	+0.6	+8.5	-13.4	+0.0	15.6	29.5	-13.9	Paral
10	23.880M	20.2	+0.7	+7.1	-13.4	+0.0	14.6	29.5	-14.9	Paral
11	27.980M	21.4	+0.8	+5.7	-13.4	+0.0	14.5	29.5	-15.0	Paral
12	6.452M	18.3	+0.3	+9.2	-13.4	+0.0	14.4	29.5	-15.1	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 12:07:43 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 322 Parallel
Overhead Site 3 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	12:11:45
Equipment:	**BPL MV Gateway**	Sequence#:	323
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 9: 12 meters out from medium voltage lines the BPL is connected to 56.25 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

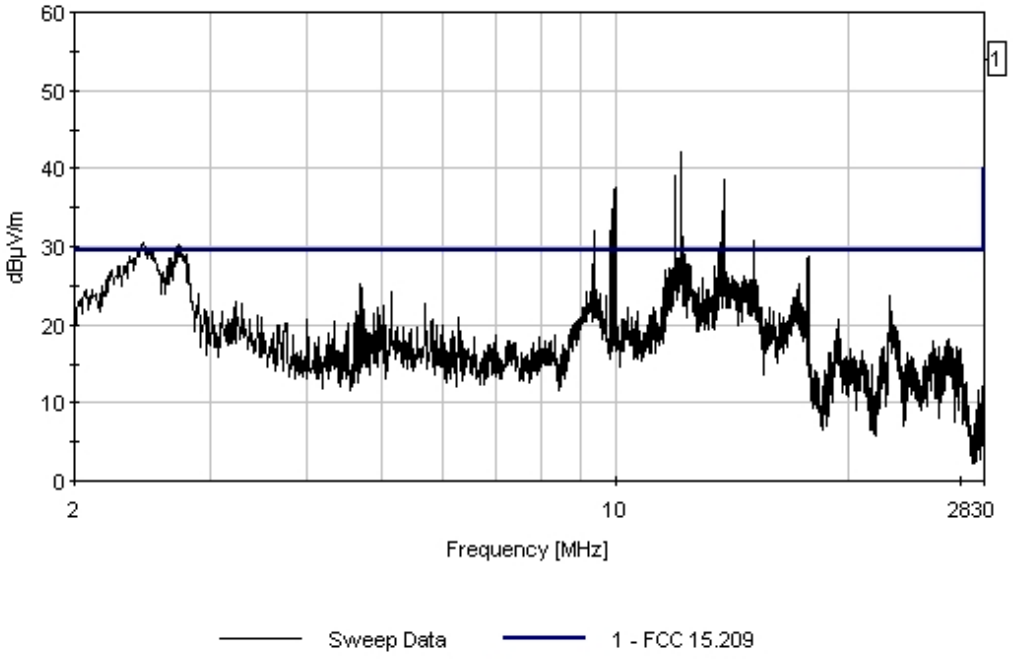
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	14.170M	28.8	+0.6	+8.7	-13.4		+0.0	24.7	29.5	-4.8	Perpe
2	12.490M	27.8	+0.6	+8.8	-13.4		+0.0	23.8	29.5	-5.7	Perpe
3	22.650M	28.6	+0.7	+7.4	-13.4		+0.0	23.3	29.5	-6.2	Perpe
4	16.840M	26.3	+0.6	+8.4	-13.4		+0.0	21.8	29.5	-7.7	Perpe
5	9.600M	24.4	+0.5	+9.1	-13.4		+0.0	20.6	29.5	-8.9	Perpe
6	2.235M	22.9	+0.2	+9.4	-13.4		+0.0	19.1	29.5	-10.4	Perpe

7	2.718M	22.8	+0.3	+9.3	-13.4	+0.0	19.0	29.5	-10.5	Perpe
8	2.460M	22.7	+0.2	+9.4	-13.4	+0.0	18.9	29.5	-10.6	Perpe
9	27.300M	24.4	+0.7	+6.0	-13.4	+0.0	17.7	29.5	-11.8	Perpe
10	25.780M	22.8	+0.7	+6.6	-13.4	+0.0	16.7	29.5	-12.8	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 12:11:45 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 323 Perpendicular
Overhead Site 3 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	12:17:10
Equipment:	**BPL MV Gateway**	Sequence#:	324
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 10: 12 meters out from medium voltage lines the BPL is connected to 65.63 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

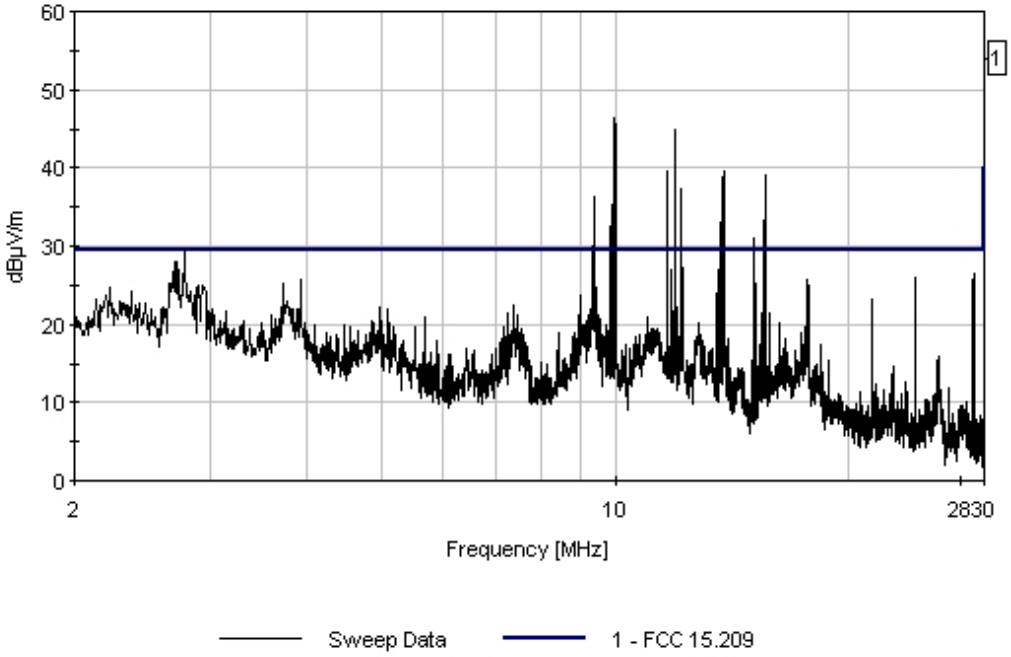
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.265M	25.6	+0.2	+9.4	-13.4		+0.0	21.8	29.5	-7.7	Paral
2	9.565M	24.3	+0.5	+9.1	-13.4		+0.0	20.5	29.5	-9.0	Paral
3	3.720M	23.1	+0.3	+9.3	-13.4		+0.0	19.3	29.5	-10.2	Paral
4	12.830M	22.5	+0.6	+8.8	-13.4		+0.0	18.5	29.5	-11.0	Paral
5	11.150M	22.1	+0.5	+9.0	-13.4		+0.0	18.2	29.5	-11.3	Paral
6	7.360M	21.5	+0.4	+9.2	-13.4		+0.0	17.7	29.5	-11.8	Paral

7	3.030M	20.8	+0.3	+9.3	-13.4	+0.0	17.0	29.5	-12.5	Paral
8	3.320M	19.9	+0.3	+9.3	-13.4	+0.0	16.1	29.5	-13.4	Paral
9	16.630M	19.1	+0.6	+8.4	-13.4	+0.0	14.7	29.5	-14.8	Paral
10	26.280M	19.5	+0.7	+6.4	-13.4	+0.0	13.2	29.5	-16.3	Paral
11	22.880M	17.8	+0.7	+7.4	-13.4	+0.0	12.4	29.5	-17.1	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 12:17:10 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 324 Parallel
Overhead Site 3 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	12:23:48
Equipment:	**BPL MV Gateway**	Sequence#:	325
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 10: 12 meters out from medium voltage lines the BPL is connected to 65.63 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

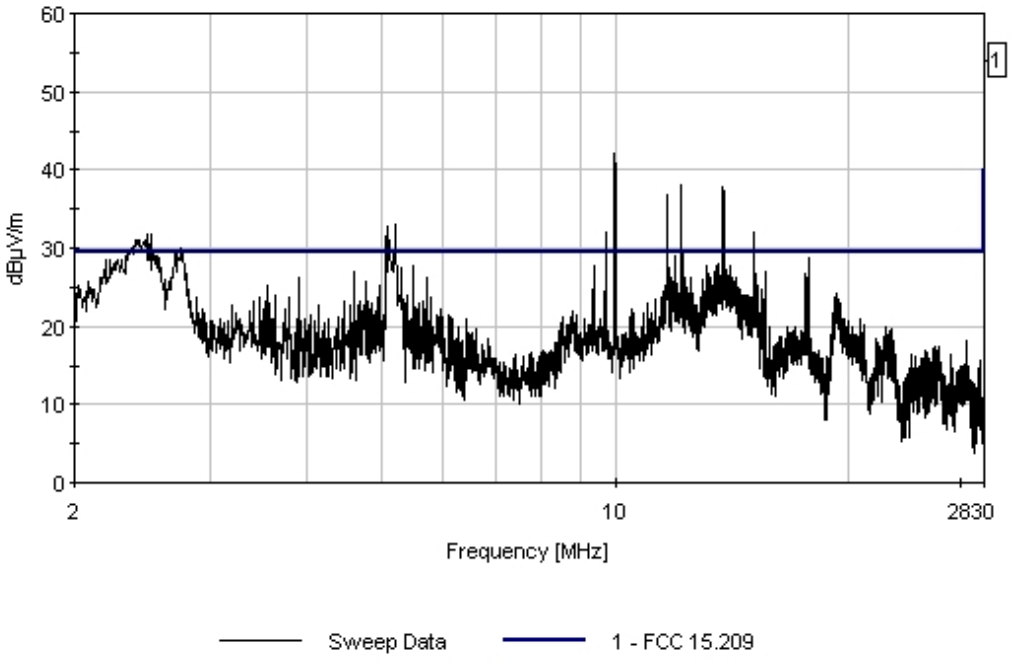
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	14.691M	26.4	+0.6	+8.6	-13.4		+0.0	22.2	29.5	-7.3	Perpe
2	2.135M	25.4	+0.1	+9.4	-13.4		+0.0	21.5	29.5	-8.0	Perpe
3	13.525M QP	24.7	+0.6	+8.7	-13.4		+0.0	20.6	29.5	-8.9	Perpe
^	13.525M	31.4	+0.6	+8.7	-13.4		+0.0	27.3	29.5	-2.2	Perpe
5	10.280M	24.3	+0.5	+9.1	-13.4		+0.0	20.5	29.5	-9.0	Perpe
6	3.248M	23.3	+0.3	+9.3	-13.4		+0.0	19.5	29.5	-10.0	Perpe

7	20.330M	23.9	+0.6	+8.0	-13.4	+0.0	19.1	29.5	-10.4	Perpe
8	2.470M	22.6	+0.2	+9.4	-13.4	+0.0	18.7	29.5	-10.8	Perpe
9	19.450M	23.1	+0.6	+8.1	-13.4	+0.0	18.4	29.5	-11.1	Perpe
10	22.700M	23.6	+0.7	+7.4	-13.4	+0.0	18.3	29.5	-11.2	Perpe
11	26.150M	23.6	+0.7	+6.4	-13.4	+0.0	17.3	29.5	-12.2	Perpe
12	4.785M	20.3	+0.3	+9.2	-13.4	+0.0	16.4	29.5	-13.1	Perpe
13	2.830M	20.1	+0.3	+9.3	-13.4	+0.0	16.3	29.5	-13.2	Perpe
14	5.835M	19.9	+0.3	+9.2	-13.4	+0.0	16.0	29.5	-13.5	Perpe
15	28.500M	22.9	+0.8	+5.5	-13.4	+0.0	15.8	29.5	-13.7	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 12:23:48 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 325 Perpendicular
Overhead Site 3 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	12:28:41
Equipment:	**BPL MV Gateway**	Sequence#:	326
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Low voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 11: 12 meters out from medium voltage lines the BPL is connected to 75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

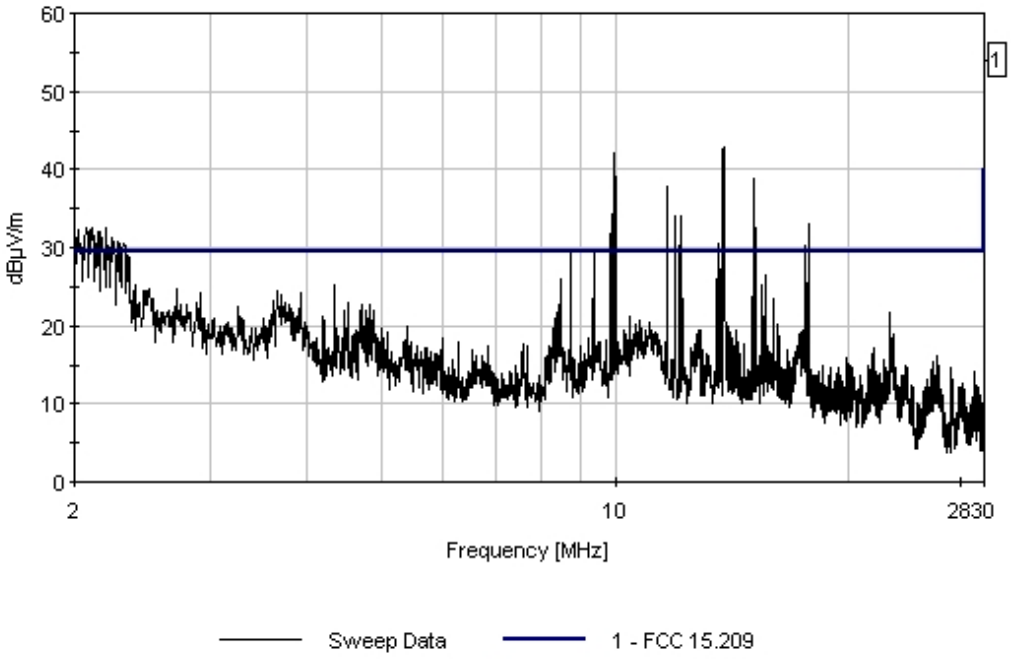
T1=Cable 82' RG8 PN 05012 T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	22.700M	26.9	+0.7	+7.4	-13.4		+0.0	21.6	29.5	-7.9	Paral
2	2.468M	24.8	+0.2	+9.4	-13.4		+0.0	21.0	29.5	-8.5	Paral
3	11.200M	24.2	+0.5	+9.0	-13.4		+0.0	20.3	29.5	-9.2	Paral
4	2.153M	23.0	+0.1	+9.4	-13.4		+0.0	19.1	29.5	-10.4	Paral
5	17.280M	23.1	+0.6	+8.4	-13.4		+0.0	18.7	29.5	-10.8	Paral
6	9.570M	21.5	+0.5	+9.1	-13.4		+0.0	17.7	29.5	-11.8	Paral

7	3.390M	21.4	+0.3	+9.3	-13.4	+0.0	17.6	29.5	-11.9	Paral
8	21.450M	22.5	+0.6	+7.7	-13.4	+0.0	17.4	29.5	-12.1	Paral
9	2.803M	20.2	+0.3	+9.3	-13.4	+0.0	16.4	29.5	-13.1	Paral
10	26.130M	21.5	+0.7	+6.4	-13.4	+0.0	15.2	29.5	-14.3	Paral
11	8.195M	19.1	+0.4	+9.1	-13.4	+0.0	15.2	29.5	-14.3	Paral
12	4.025M	18.1	+0.3	+9.3	-13.4	+0.0	14.3	29.5	-15.2	Paral
13	8.805M	17.7	+0.5	+9.1	-13.4	+0.0	13.9	29.5	-15.6	Paral
14	29.380M	18.0	+0.8	+5.2	-13.4	+0.0	10.6	29.5	-18.9	Paral

LV Overhead Test Site #3 Date: 5/2/2006 Time: 12:28:41 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 326 Parallel
Overhead Site 3 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Overhead Test Site #3 •Squatty Lyons Park on East Hardy Streetlight Pole #502700 on Cromwell Street • Houston, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	5/2/2006
Test Type:	**Radiated Scan**	Time:	12:33:41
Equipment:	**BPL MV Gateway**	Sequence#:	327
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Overhead Test Site #3. Squatty Lyons Park on East Hardy Street. Unit on pole one west of streetlight pole # 502700 on Cromwell Street. Medium voltage wires are 8 meters. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to pole is 12 meters. Slant Distance is 13.9 meters. Slant Distance and Test Distance correction factor is -40*LOG(30/13.9) = -13.4dB. Test Position 11: 12 meters out from medium voltage lines the BPL is connected to 75 meters laterally down the power line. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for overhead lines from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

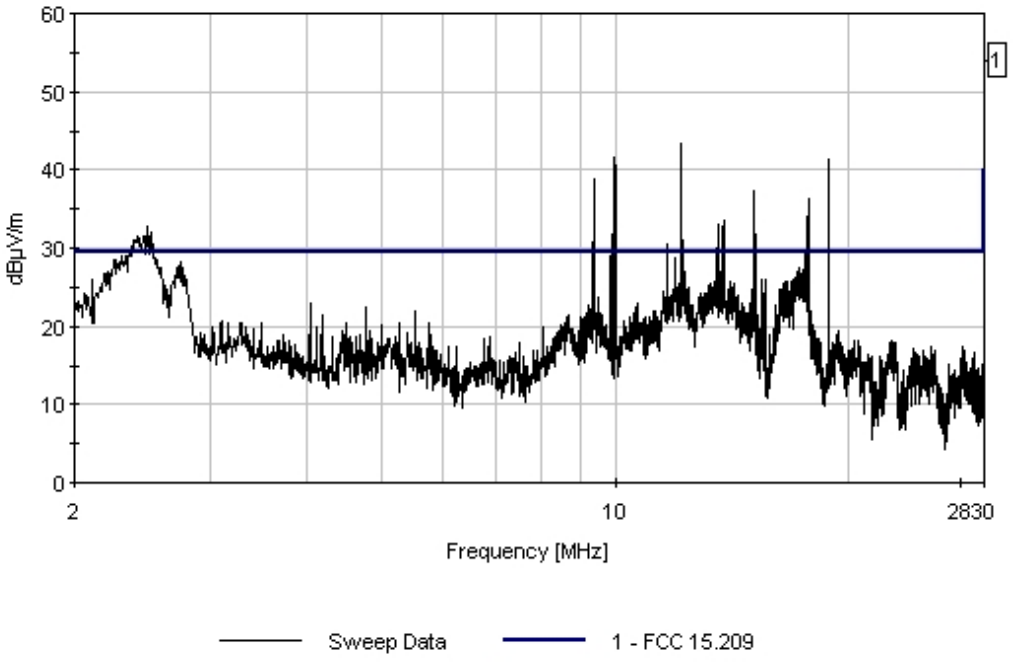
T1=Cable 82' RG8 PN 05012	T2=Mag Loop - AN 00432- 9kHz-30M
T3=Slant Distance S3 LV	

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	17.490M QP	26.1	+0.6	+8.3	-13.4		+0.0	21.6	29.5	-7.9	Perpe
^	17.490M	31.7	+0.6	+8.3	-13.4		+0.0	27.2	29.5	-2.3	Perpe
3	8.690M	25.1	+0.5	+9.1	-13.4		+0.0	21.3	29.5	-8.2	Perpe
4	13.295M QP	23.4	+0.6	+8.7	-13.4		+0.0	19.3	29.5	-10.2	Perpe
^	13.295M	30.2	+0.6	+8.7	-13.4		+0.0	26.1	29.5	-3.4	Perpe
6	22.580M	24.3	+0.7	+7.4	-13.4		+0.0	19.0	29.5	-10.5	Perpe

7	19.430M	23.3	+0.6	+8.2	-13.4	+0.0	18.7	29.5	-10.8	Perpe
8	2.483M	22.5	+0.2	+9.4	-13.4	+0.0	18.7	29.5	-10.8	Perpe
9	28.000M	24.4	+0.8	+5.7	-13.4	+0.0	17.5	29.5	-12.0	Perpe
10	20.800M	22.0	+0.6	+7.9	-13.4	+0.0	17.1	29.5	-12.4	Perpe
11	2.133M	21.0	+0.1	+9.4	-13.4	+0.0	17.1	29.5	-12.4	Perpe
12	24.250M	22.6	+0.7	+7.1	-13.4	+0.0	17.0	29.5	-12.5	Perpe
13	25.580M	22.8	+0.7	+6.7	-13.4	+0.0	16.8	29.5	-12.7	Perpe
14	2.735M	20.4	+0.3	+9.3	-13.4	+0.0	16.6	29.5	-12.9	Perpe
15	11.370M	20.4	+0.5	+8.9	-13.4	+0.0	16.4	29.5	-13.1	Perpe

LV Overhead Test Site #3 Date: 5/2/2006 Time: 12:33:41 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 327 Perpendicular
Overhead Site 3 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer: **Corinex**
Specification: **FCC 15.209**
Work Order #: **84818** Date: 4/24/2006
Test Type: **Radiated Scan** Time: 13:04:47
Equipment: **BPL MV Gateway** Sequence#: 14
Manufacturer: Corinex Tested By: C. Nicklas
Model: MV Gateway
S/N: 6749420821

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 1. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

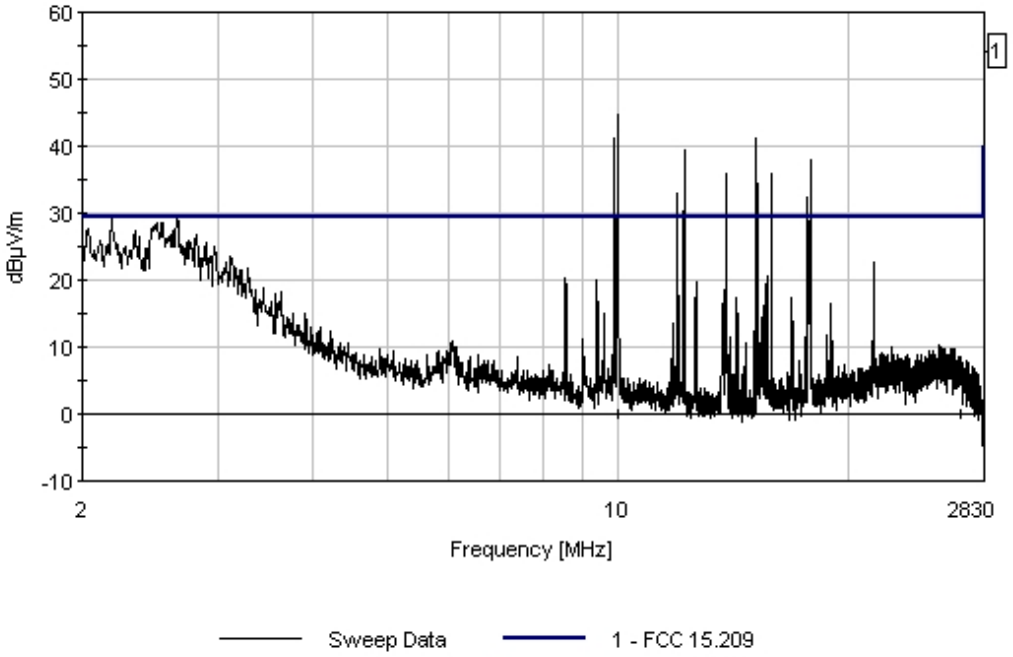
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.502M	36.8	+0.1	+0.1	+9.3	-19.1	+0.0	27.2	29.5	-2.3	Perpe
^	2.502M	39.4	+0.1	+0.1	+9.3	-19.1	+0.0	29.8	29.5	+0.3	Perpe
3 QP	2.662M	36.8	+0.1	+0.1	+9.3	-19.1	+0.0	27.1	29.5	-2.4	Perpe
^	2.662M	39.2	+0.1	+0.1	+9.3	-19.1	+0.0	29.6	29.5	+0.1	Perpe
5 QP	2.189M	35.6	+0.1	+0.1	+9.4	-19.1	+0.0	26.1	29.5	-3.4	Perpe
^	2.189M	38.4	+0.1	+0.1	+9.4	-19.1	+0.0	28.9	29.5	-0.6	Perpe
7 QP	2.036M	34.5	+0.1	+0.1	+9.4	-19.1	+0.0	25.0	29.5	-4.5	Perpe
^	2.036M	37.9	+0.1	+0.1	+9.4	-19.1	+0.0	28.4	29.5	-1.1	Perpe
9 QP	2.814M	34.0	+0.1	+0.1	+9.3	-19.1	+0.0	24.4	29.5	-5.1	Perpe
^	2.814M	36.7	+0.1	+0.1	+9.3	-19.1	+0.0	27.1	29.5	-2.4	Perpe

11	3.129M	33.7	+0.1	+0.1	+9.3	-19.1	+0.0	24.1	29.5	-5.4	Perpe
12 QP	2.890M	32.4	+0.1	+0.1	+9.3	-19.1	+0.0	22.8	29.5	-6.7	Perpe
^	2.890M	35.6	+0.1	+0.1	+9.3	-19.1	+0.0	26.0	29.5	-3.5	Perpe
14 QP	2.968M	32.1	+0.1	+0.1	+9.3	-19.1	+0.0	22.5	29.5	-7.0	Perpe
^	2.968M	35.2	+0.1	+0.1	+9.3	-19.1	+0.0	25.6	29.5	-3.9	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 13:04:47 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 14 Perpendicular
Underground Site 1 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:06:24 PM
Equipment:	**BPL MV Gateway**	Sequence#:	15
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 1. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

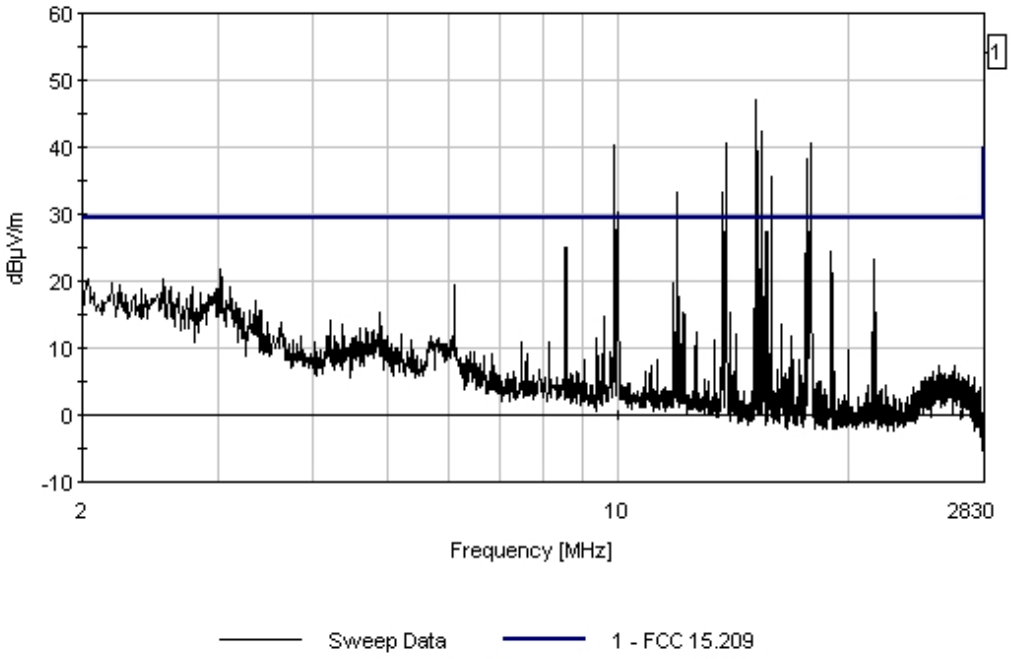
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.029M	31.4	+0.1	+0.1	+9.3	-19.1	+0.0	21.8	29.5	-7.7	Paral
2	2.544M	29.9	+0.1	+0.1	+9.3	-19.1	+0.0	20.3	29.5	-9.2	Paral
3	2.037M	29.7	+0.1	+0.1	+9.4	-19.1	+0.0	20.2	29.5	-9.3	Paral
4	2.779M	28.8	+0.1	+0.1	+9.3	-19.1	+0.0	19.2	29.5	-10.3	Paral
5	2.985M	28.5	+0.1	+0.1	+9.3	-19.1	+0.0	18.9	29.5	-10.6	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 1:06:24 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 15 Parallel
Underground Site 1 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	13:23:39
Equipment:	**BPL MV Gateway**	Sequence#:	18
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 2. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

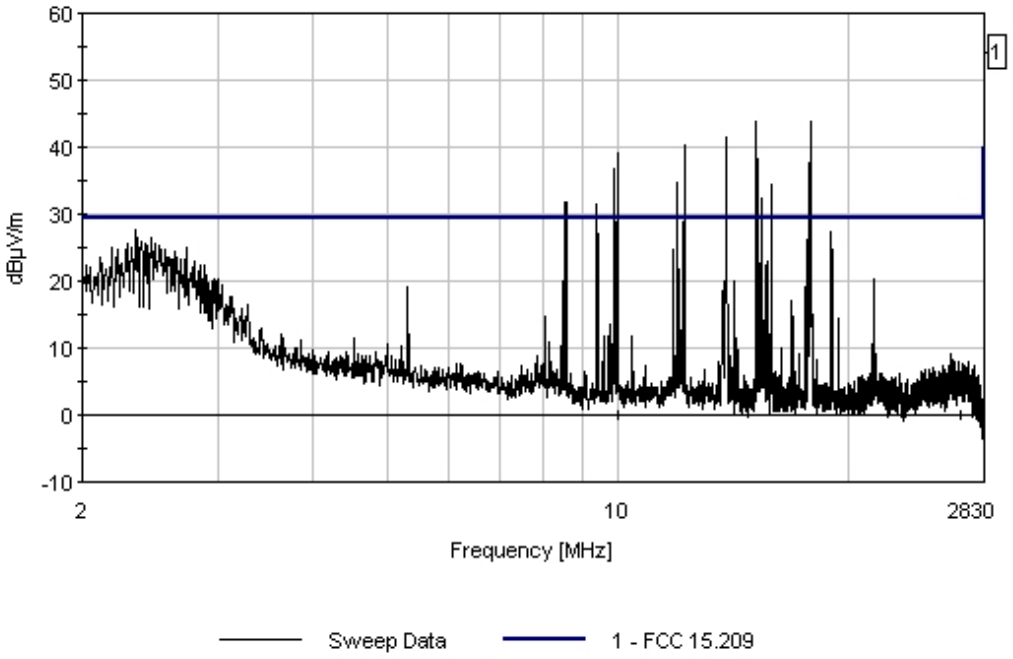
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.463M	29.2	+0.1	+0.1	+9.4	-19.1	+0.0	19.7	29.5	-9.8	Perpe
2	2.539M	27.9	+0.1	+0.1	+9.3	-19.1	+0.0	18.3	29.5	-11.2	Perpe
3	2.613M	27.2	+0.1	+0.1	+9.3	-19.1	+0.0	17.6	29.5	-11.9	Perpe
4	2.816M	26.7	+0.1	+0.1	+9.3	-19.1	+0.0	17.1	29.5	-12.4	Perpe
5	2.714M	26.0	+0.1	+0.1	+9.3	-19.1	+0.0	16.4	29.5	-13.1	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 13:23:39 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 18 Perpendicular
Underground Site 1 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	13:29:44
Equipment:	**BPL MV Gateway**	Sequence#:	19
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 2. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

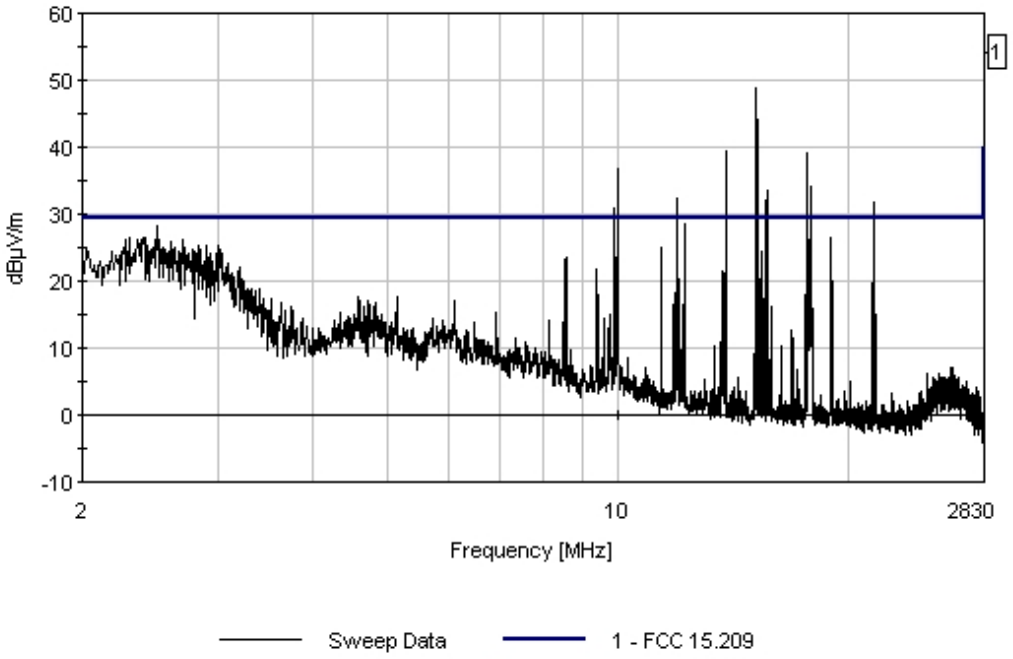
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.191M	34.4	+0.1	+0.1	+9.4	-19.1	+0.0	24.9	29.5	-4.6	Paral
2 QP	2.033M	32.0	+0.1	+0.1	+9.4	-19.1	+0.0	22.5	29.5	-7.0	Paral
^	2.033M	35.5	+0.1	+0.1	+9.4	-19.1	+0.0	26.0	29.5	-3.5	Paral
4	2.496M	31.9	+0.1	+0.1	+9.4	-19.1	+0.0	22.4	29.5	-7.1	Paral
5	2.504M	30.1	+0.1	+0.1	+9.3	-19.1	+0.0	20.5	29.5	-9.0	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 13:29:44 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 19 Parallel
Underground Site 1 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:32:37 PM
Equipment:	**BPL MV Gateway**	Sequence#:	20
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 3. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

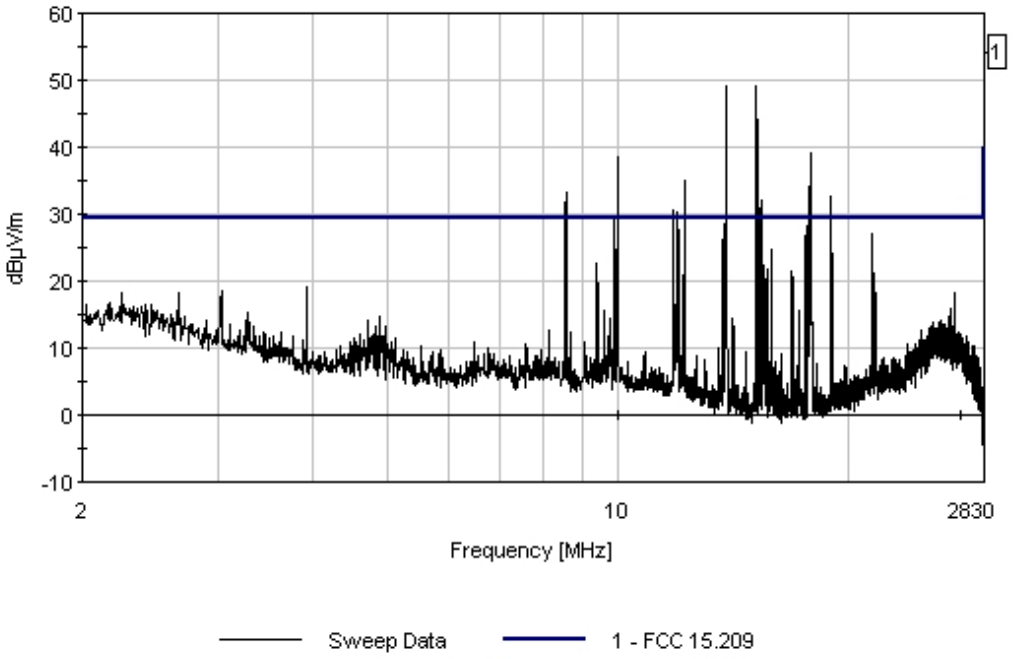
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.676M	27.9	+0.1	+0.1	+9.3	-19.1	+0.0	18.3	29.5	-11.2	Perpe
2	21.676M	29.2	+0.2	+0.3	+7.7	-19.1	+0.0	18.3	29.5	-11.2	Perpe
3	2.257M	27.6	+0.1	+0.1	+9.4	-19.1	+0.0	18.1	29.5	-11.4	Perpe
4	27.425M	30.7	+0.3	+0.3	+5.9	-19.1	+0.0	18.1	29.5	-11.4	Perpe
5	2.713M	24.4	+0.1	+0.1	+9.3	-19.1	+0.0	14.8	29.5	-14.7	Perpe
6	25.786M	25.7	+0.2	+0.3	+6.6	-19.1	+0.0	13.7	29.5	-15.8	Perpe
7	26.570M	25.9	+0.2	+0.3	+6.3	-19.1	+0.0	13.6	29.5	-15.9	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 1:32:37 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 20 Perpendicular
Underground Site 1 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	13:37:48
Equipment:	**BPL MV Gateway**	Sequence#:	21
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 3. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

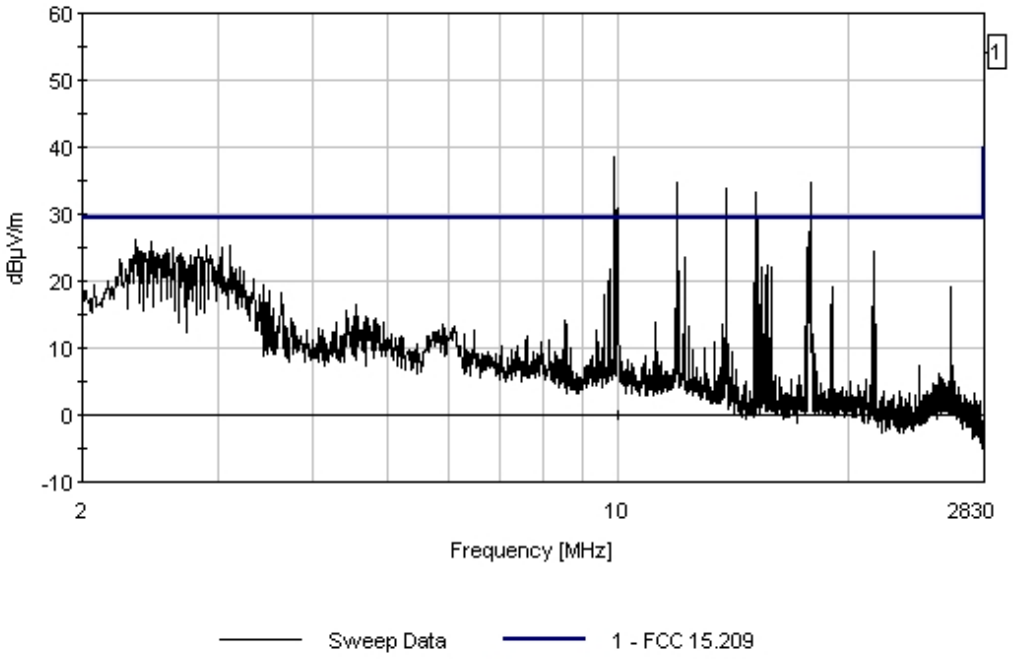
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.290M	23.8	+0.1	+0.1	+9.4	-19.1	+0.0	14.3	29.5	-15.2	Paral
2	2.448M	20.8	+0.1	+0.1	+9.4	-19.1	+0.0	11.3	29.5	-18.2	Paral
3	2.740M	20.6	+0.1	+0.1	+9.3	-19.1	+0.0	11.0	29.5	-18.5	Paral
4	2.065M	20.1	+0.1	+0.1	+9.4	-19.1	+0.0	10.6	29.5	-18.9	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 13:37:48 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 21 Parallel
Underground Site 1 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:42:06 PM
Equipment:	**BPL MV Gateway**	Sequence#:	22
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 4. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

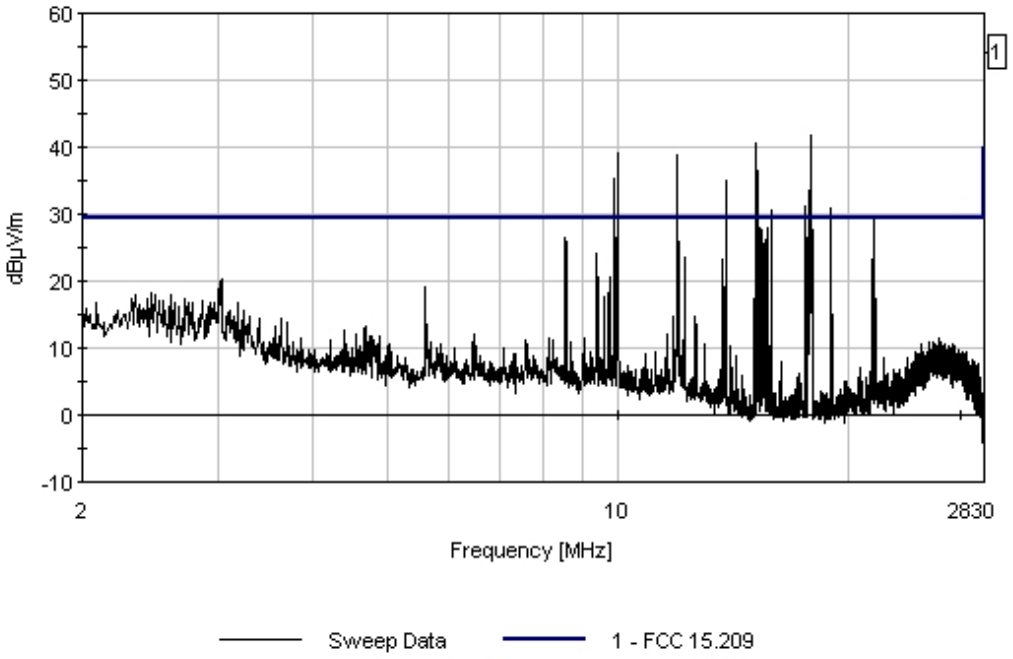
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.036M	30.0	+0.1	+0.1	+9.3	-19.1	+0.0	20.4	29.5	-9.1	Perpe
2	2.492M	27.4	+0.1	+0.1	+9.4	-19.1	+0.0	17.9	29.5	-11.6	Perpe
3	2.610M	27.5	+0.1	+0.1	+9.3	-19.1	+0.0	17.9	29.5	-11.6	Perpe
4	2.345M	27.3	+0.1	+0.1	+9.4	-19.1	+0.0	17.8	29.5	-11.7	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 1:42:06 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 22 Perpendicular
Underground Site 1 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:43:45 PM
Equipment:	**BPL MV Gateway**	Sequence#:	23
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 4. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

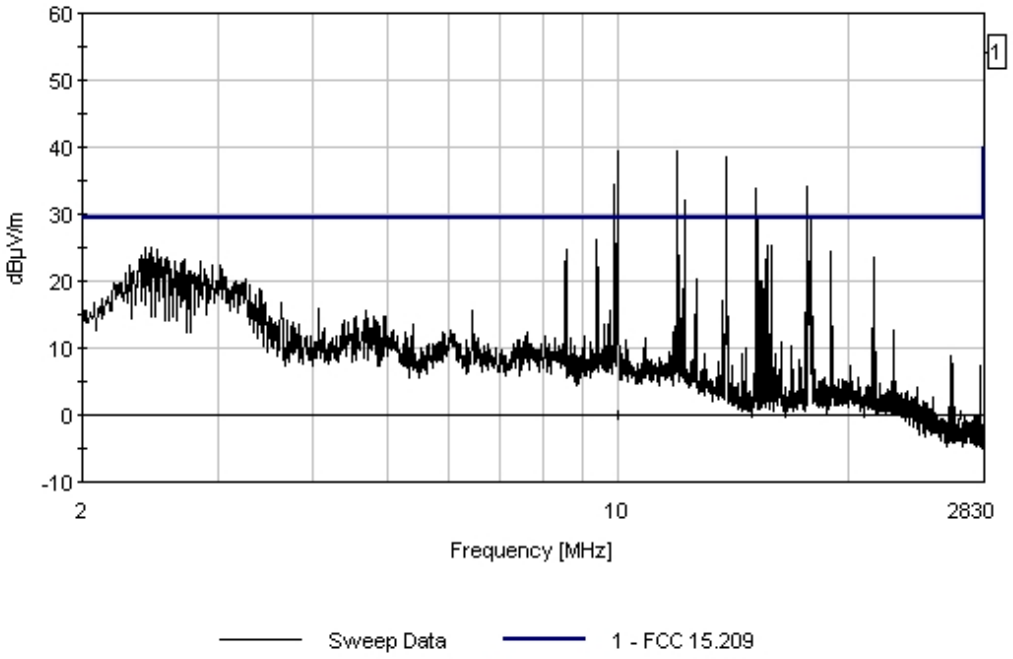
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.529M	33.0	+0.1	+0.1	+9.3	-19.1	+0.0	23.4	29.5	-6.1	Paral
2	2.720M	32.8	+0.1	+0.1	+9.3	-19.1	+0.0	23.2	29.5	-6.3	Paral
3	2.309M	31.9	+0.1	+0.1	+9.4	-19.1	+0.0	22.4	29.5	-7.1	Paral
4	3.022M	32.0	+0.1	+0.1	+9.3	-19.1	+0.0	22.4	29.5	-7.1	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 1:43:45 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 23 Parallel
Underground Site 1 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:46:45 PM
Equipment:	**BPL MV Gateway**	Sequence#:	24
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 5. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

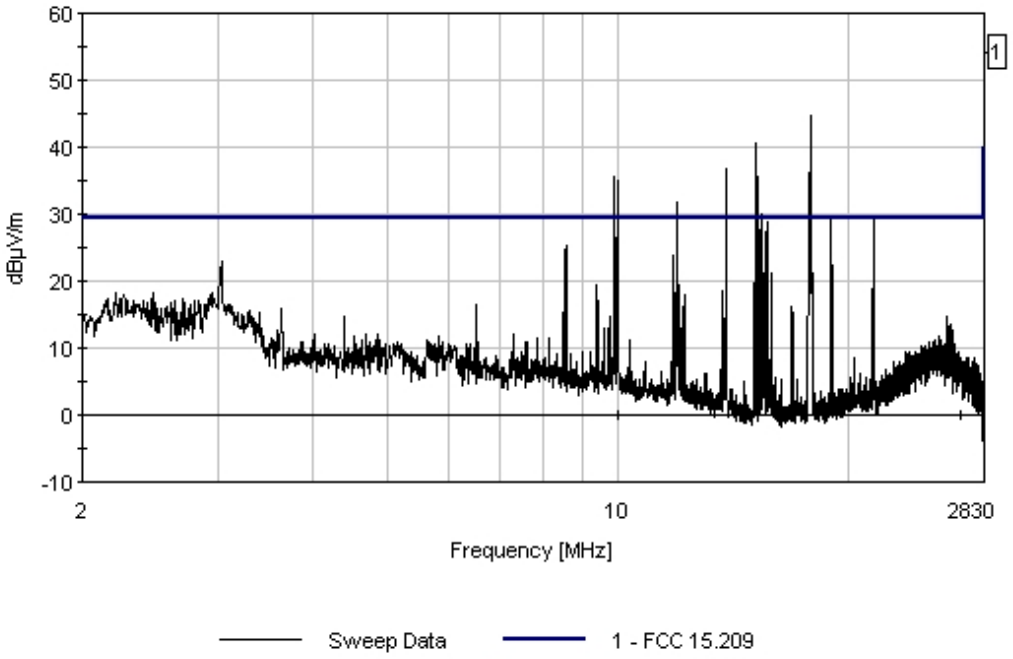
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.478M	27.7	+0.1	+0.1	+9.4	-19.1	+0.0	18.2	29.5	-11.3	Perpe
2	2.206M	27.6	+0.1	+0.1	+9.4	-19.1	+0.0	18.1	29.5	-11.4	Perpe
3	2.698M	26.9	+0.1	+0.1	+9.3	-19.1	+0.0	17.3	29.5	-12.2	Perpe
4	2.838M	26.8	+0.1	+0.1	+9.3	-19.1	+0.0	17.2	29.5	-12.3	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 1:46:45 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 24 Perpendicular
Underground Site 1 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:48:18 PM
Equipment:	**BPL MV Gateway**	Sequence#:	25
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 5. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

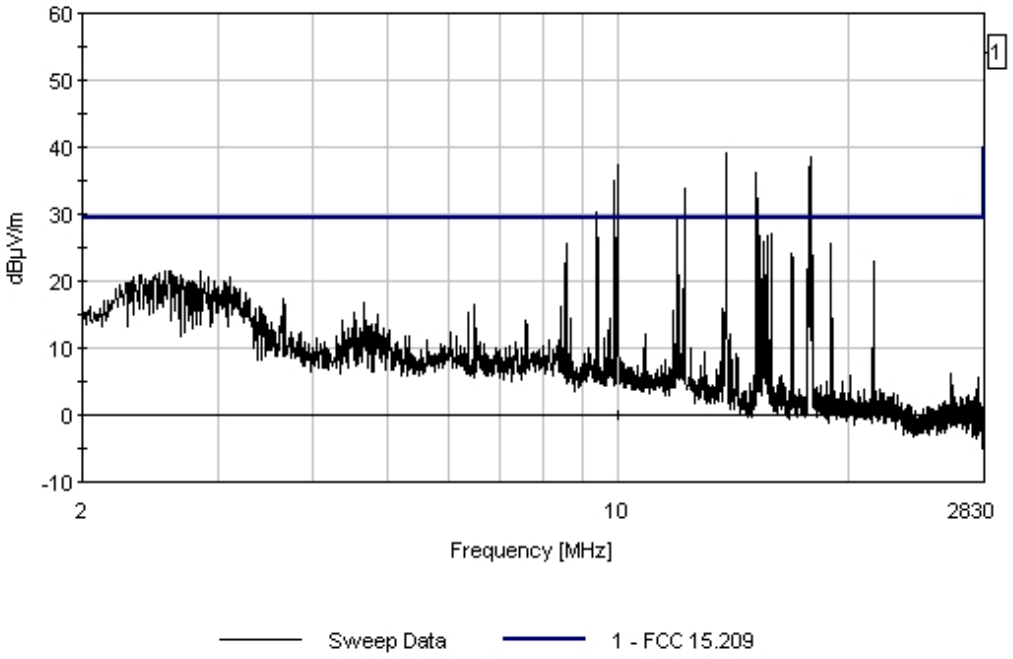
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.522M	30.9	+0.1	+0.1	+9.3	-19.1	+0.0	21.3	29.5	-8.2	Paral
2	2.375M	30.5	+0.1	+0.1	+9.4	-19.1	+0.0	21.0	29.5	-8.5	Paral
3	2.625M	30.6	+0.1	+0.1	+9.3	-19.1	+0.0	21.0	29.5	-8.5	Paral
4	2.926M	30.3	+0.1	+0.1	+9.3	-19.1	+0.0	20.7	29.5	-8.8	Paral
5	3.110M	30.3	+0.1	+0.1	+9.3	-19.1	+0.0	20.7	29.5	-8.8	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 1:48:18 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 25 Parallel
Underground Site 1 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:54:41 PM
Equipment:	**BPL MV Gateway**	Sequence#:	26
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 6. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

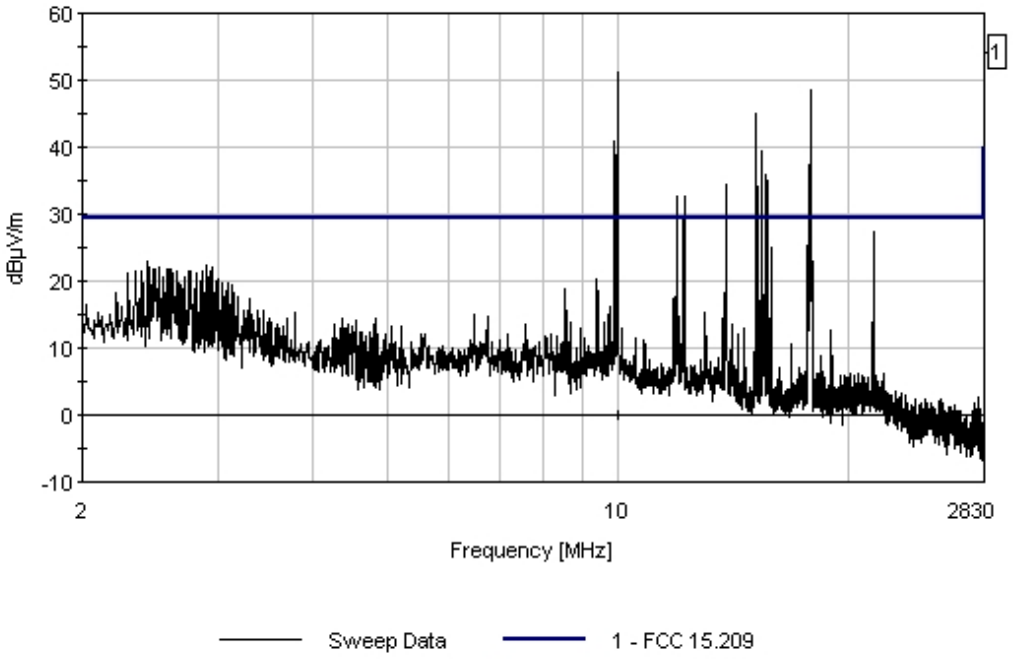
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.478M	31.2	+0.1	+0.1	+9.4	-19.1	+0.0	21.7	29.5	-7.8	Paral
2	2.617M	31.3	+0.1	+0.1	+9.3	-19.1	+0.0	21.7	29.5	-7.8	Paral
3	2.941M	31.1	+0.1	+0.1	+9.3	-19.1	+0.0	21.5	29.5	-8.0	Paral
4	2.772M	31.0	+0.1	+0.1	+9.3	-19.1	+0.0	21.4	29.5	-8.1	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 1:54:41 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 26 Parallel
Underground Site 1 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:55:38 PM
Equipment:	**BPL MV Gateway**	Sequence#:	27
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 6. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

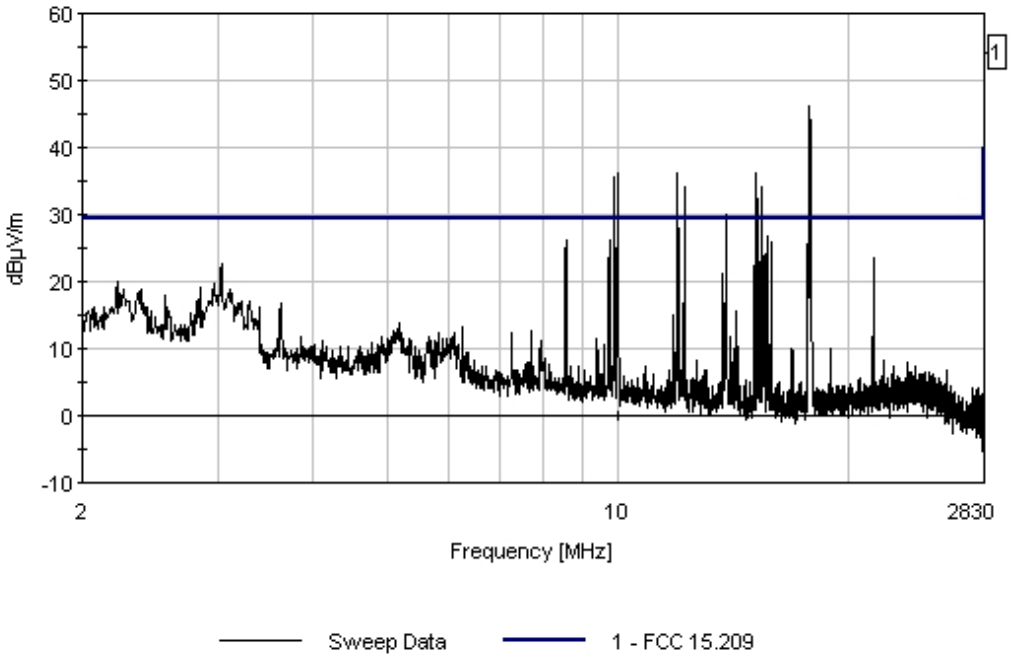
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.220M	29.6	+0.1	+0.1	+9.4	-19.1	+0.0	20.1	29.5	-9.4	Perpe
2	2.970M	29.4	+0.1	+0.1	+9.3	-19.1	+0.0	19.8	29.5	-9.7	Perpe
3	2.845M	28.7	+0.1	+0.1	+9.3	-19.1	+0.0	19.1	29.5	-10.4	Perpe
4	2.566M	27.6	+0.1	+0.1	+9.3	-19.1	+0.0	18.0	29.5	-11.5	Perpe
5	3.301M	26.7	+0.1	+0.1	+9.3	-19.1	+0.0	17.1	29.5	-12.4	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 1:55:38 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 27 Perpendicular
Underground Site 1 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:57:52 PM
Equipment:	**BPL MV Gateway**	Sequence#:	28
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 7. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

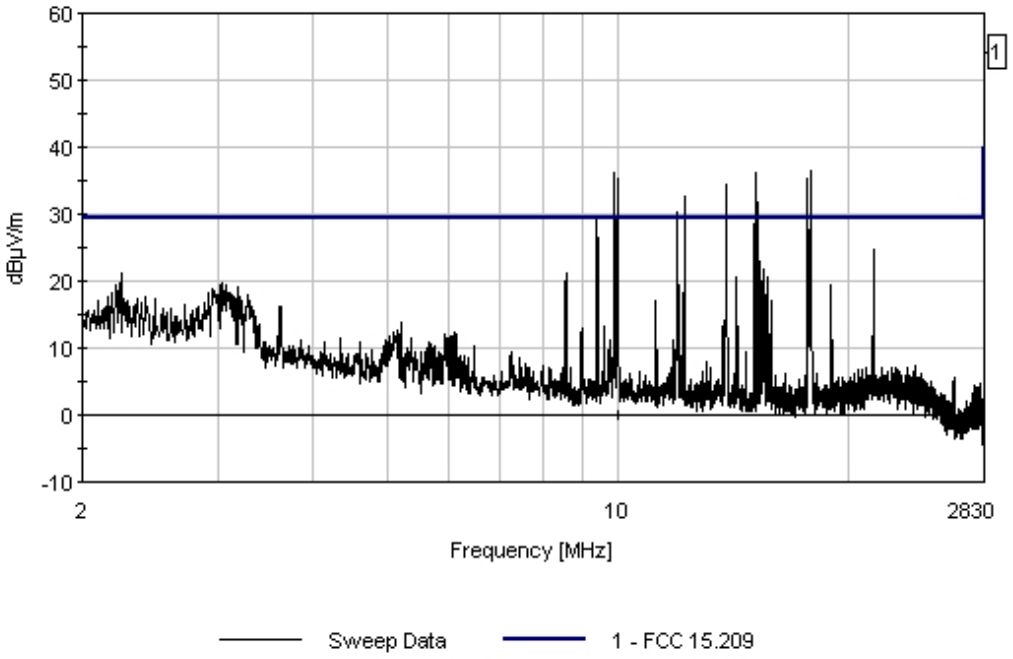
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.183M	28.8	+0.1	+0.1	+9.3	-19.1	+0.0	19.2	29.5	-10.3	Perpe
2	2.963M	28.5	+0.1	+0.1	+9.3	-19.1	+0.0	18.9	29.5	-10.6	Perpe
3	2.191M	27.8	+0.1	+0.1	+9.4	-19.1	+0.0	18.3	29.5	-11.2	Perpe
4	2.360M	26.8	+0.1	+0.1	+9.4	-19.1	+0.0	17.3	29.5	-12.2	Perpe
5	2.544M	25.6	+0.1	+0.1	+9.3	-19.1	+0.0	16.0	29.5	-13.5	Perpe
6	2.786M	25.2	+0.1	+0.1	+9.3	-19.1	+0.0	15.6	29.5	-13.9	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 1:57:52 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 28 Perpendicular
Underground Site 1 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:59:47 PM
Equipment:	**BPL MV Gateway**	Sequence#:	29
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 7. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

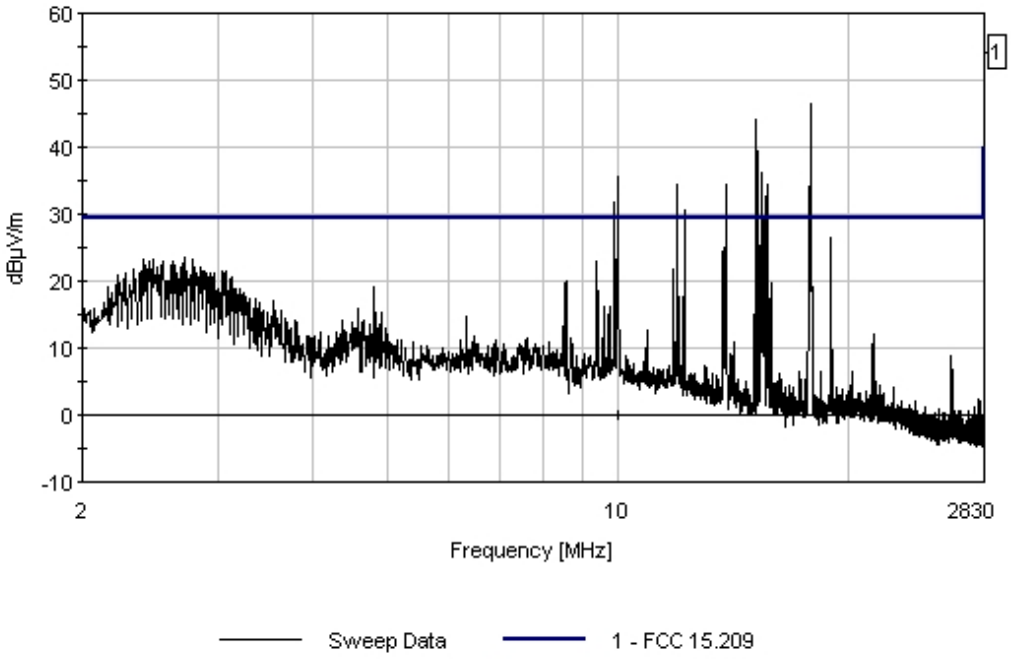
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.404M	32.8	+0.1	+0.1	+9.4	-19.1	+0.0	23.3	29.5	-6.2	Paral
2	2.786M	32.7	+0.1	+0.1	+9.3	-19.1	+0.0	23.1	29.5	-6.4	Paral
3	2.544M	32.5	+0.1	+0.1	+9.3	-19.1	+0.0	22.9	29.5	-6.6	Paral
4	2.625M	32.5	+0.1	+0.1	+9.3	-19.1	+0.0	22.9	29.5	-6.6	Paral
5	2.808M	31.8	+0.1	+0.1	+9.3	-19.1	+0.0	22.2	29.5	-7.3	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 1:59:47 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 29 Parallel
Underground Site 1 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	14:37:13
Equipment:	**BPL MV Gateway**	Sequence#:	31
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 8. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

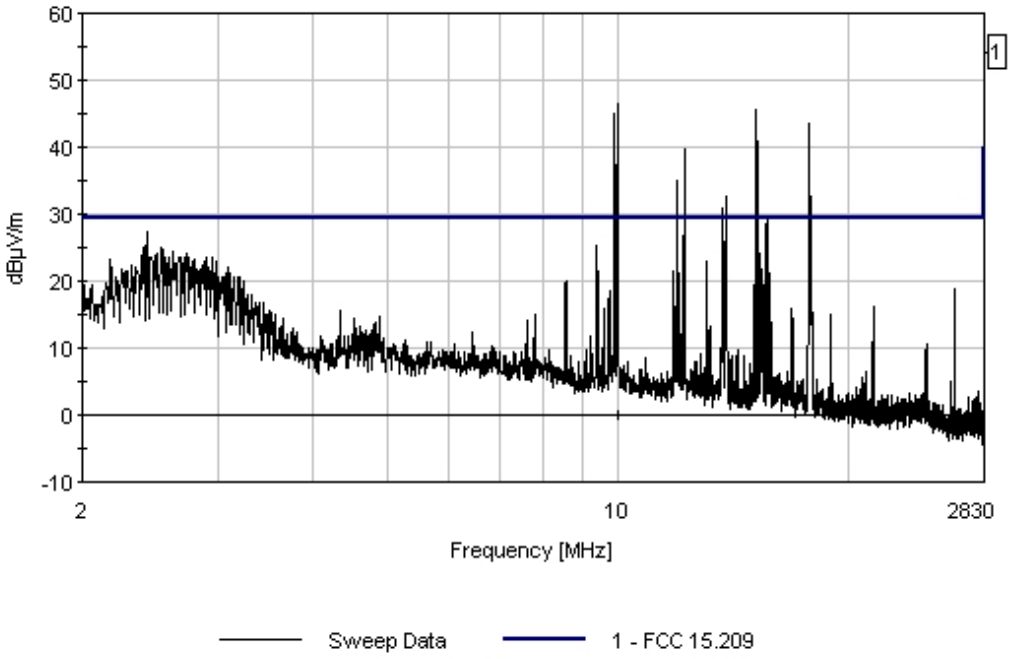
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.653M	26.0	+0.1	+0.1	+9.3	-19.1	+0.0	16.4	29.5	-13.1	Paral
2	2.353M	23.6	+0.1	+0.1	+9.4	-19.1	+0.0	14.1	29.5	-15.4	Paral
3	2.455M	23.4	+0.1	+0.1	+9.4	-19.1	+0.0	13.9	29.5	-15.6	Paral
4	2.160M	22.9	+0.1	+0.1	+9.4	-19.1	+0.0	13.4	29.5	-16.1	Paral
5	2.810M	22.3	+0.1	+0.1	+9.3	-19.1	+0.0	12.7	29.5	-16.8	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 14:37:13 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 31 Parallel
Underground Site 1 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	2:33:05 PM
Equipment:	**BPL MV Gateway**	Sequence#:	30
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 8. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

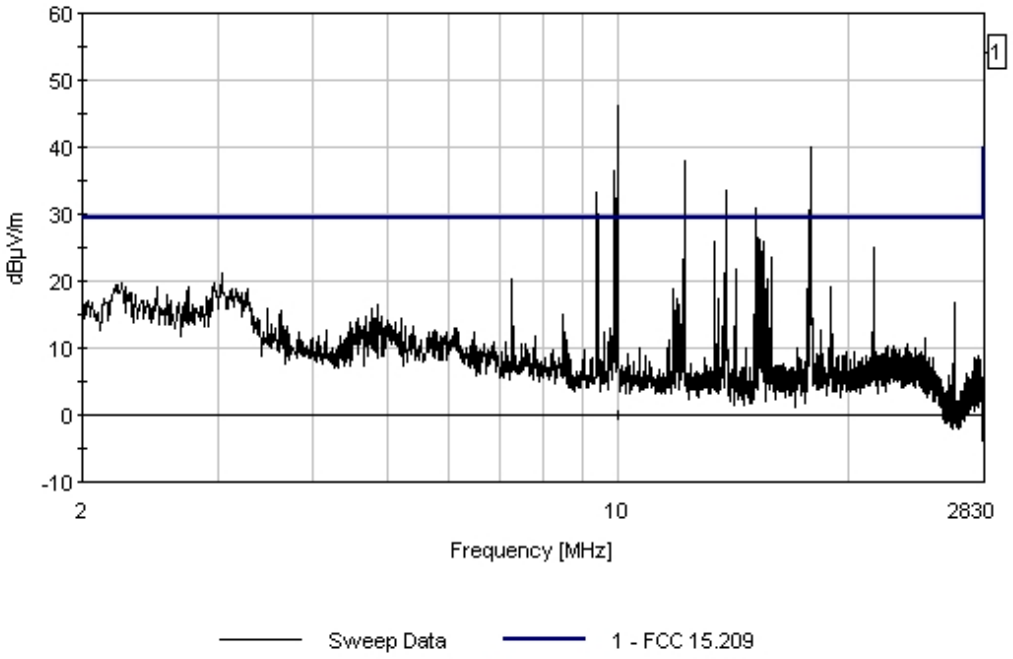
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.257M	29.1	+0.1	+0.1	+9.4	-19.1	+0.0	19.6	29.5	-9.9	Perpe
2	2.507M	28.8	+0.1	+0.1	+9.3	-19.1	+0.0	19.2	29.5	-10.3	Perpe
3	2.750M	28.8	+0.1	+0.1	+9.3	-19.1	+0.0	19.2	29.5	-10.3	Perpe
4	2.353M	27.4	+0.1	+0.1	+9.4	-19.1	+0.0	17.9	29.5	-11.6	Perpe
5	2.904M	27.2	+0.1	+0.1	+9.3	-19.1	+0.0	17.6	29.5	-11.9	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 2:33:05 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 30 Perpendicular
Underground Site 1 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	2:38:11 PM
Equipment:	**BPL MV Gateway**	Sequence#:	32
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 9. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

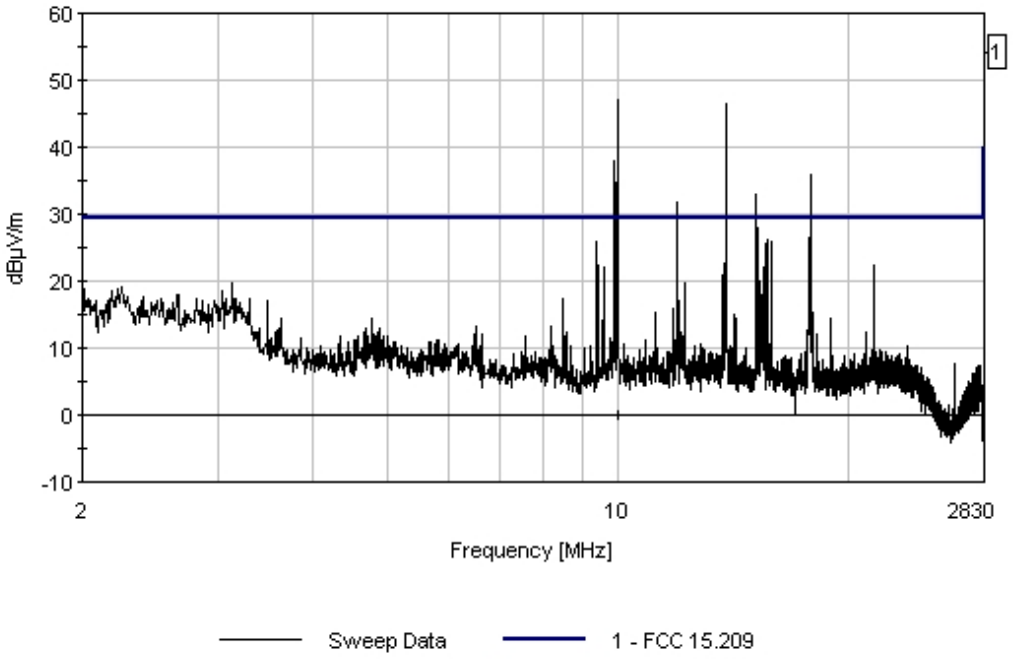
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.139M	29.2	+0.1	+0.1	+9.3	-19.1	+0.0	19.6	29.5	-9.9	Perpe
2	2.257M	28.6	+0.1	+0.1	+9.4	-19.1	+0.0	19.1	29.5	-10.4	Perpe
3	2.007M	28.4	+0.1	+0.1	+9.4	-19.1	+0.0	18.9	29.5	-10.6	Perpe
4	3.051M	28.1	+0.1	+0.1	+9.3	-19.1	+0.0	18.5	29.5	-11.0	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 2:38:11 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 32 Perpendicular
Underground Site 1 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	14:41:59
Equipment:	**BPL MV Gateway**	Sequence#:	33
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 9. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

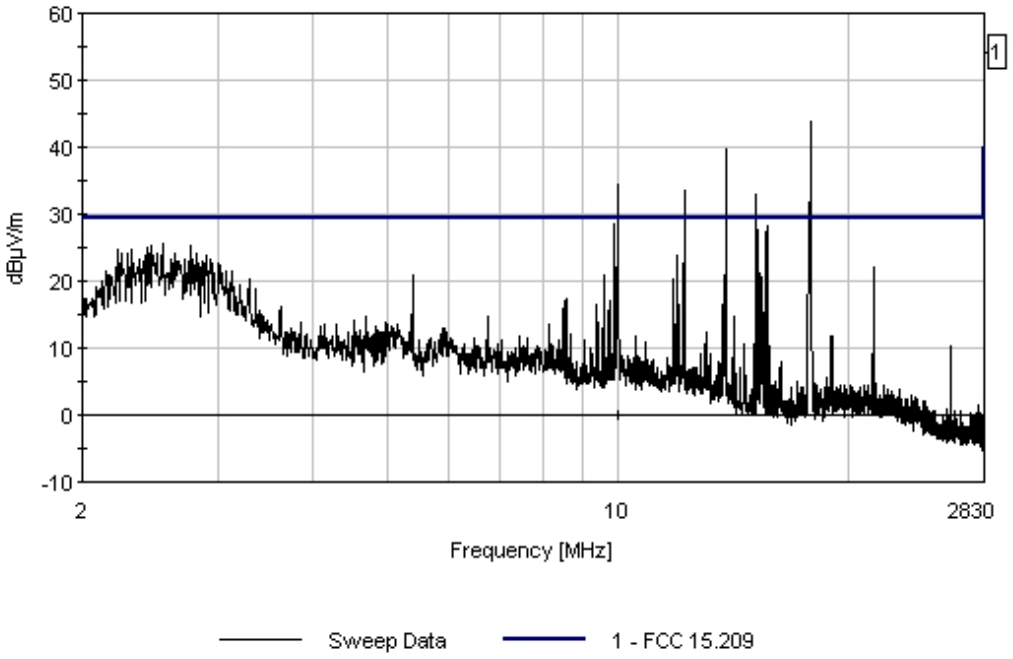
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.998M	29.7	+0.1	+0.1	+9.3	-19.1	+0.0	20.1	29.5	-9.4	Paral
2	2.545M	29.8	+0.1	+0.1	+9.3	-19.1	+0.0	20.1	29.5	-9.4	Paral
3	2.340M	27.8	+0.1	+0.1	+9.4	-19.1	+0.0	18.3	29.5	-11.2	Paral
4	2.698M	27.6	+0.1	+0.1	+9.3	-19.1	+0.0	18.0	29.5	-11.5	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 14:41:59 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 33 Parallel
Underground Site 1 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	2:43:00 PM
Equipment:	**BPL MV Gateway**	Sequence#:	34
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 10. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

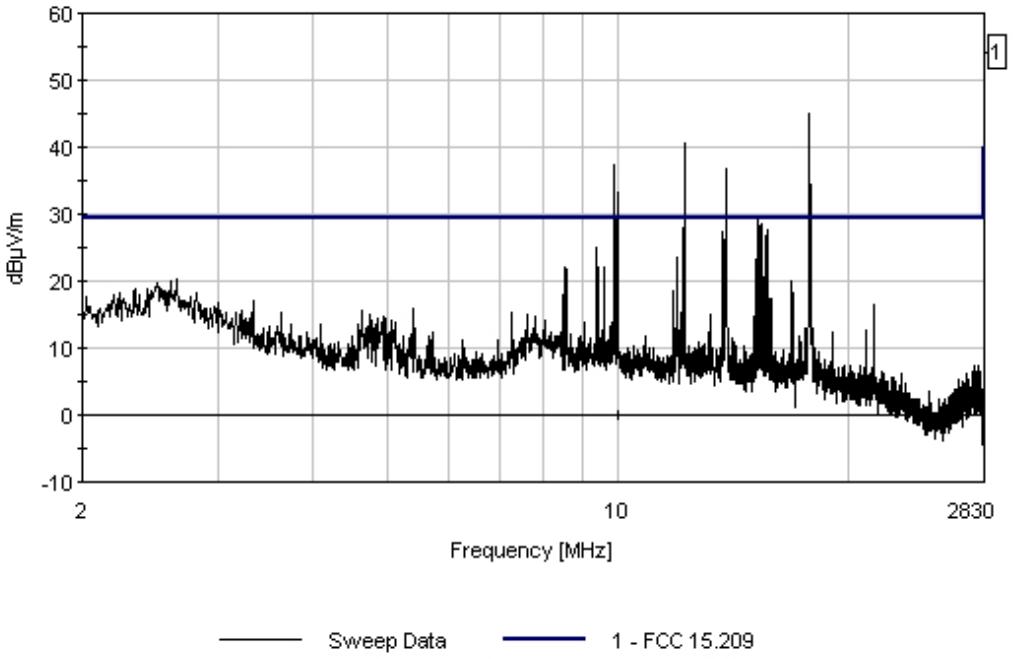
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.243M	27.6	+0.1	+0.1	+9.4	-19.1	+0.0	18.1	29.5	-11.4	Perpe
2	2.823M	27.7	+0.1	+0.1	+9.3	-19.1	+0.0	18.1	29.5	-11.4	Perpe
3	2.198M	27.4	+0.1	+0.1	+9.4	-19.1	+0.0	17.9	29.5	-11.6	Perpe
4	2.029M	27.1	+0.1	+0.1	+9.4	-19.1	+0.0	17.6	29.5	-11.9	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 2:43:00 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 34 Perpendicular
Underground Site 1 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	14:47:05
Equipment:	**BPL MV Gateway**	Sequence#:	35
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 10. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

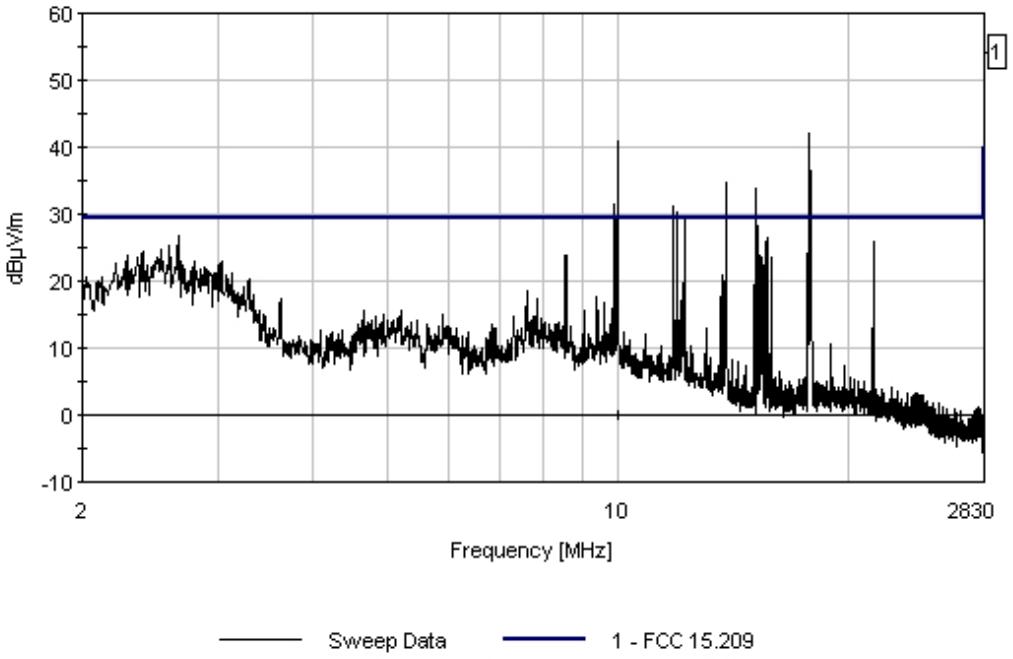
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.493M	31.3	+0.1	+0.1	+9.4	-19.1	+0.0	21.8	29.5	-7.7	Paral
2	2.743M	29.8	+0.1	+0.1	+9.3	-19.1	+0.0	20.2	29.5	-9.3	Paral
3	2.590M	29.8	+0.1	+0.1	+9.3	-19.1	+0.0	20.1	29.5	-9.4	Paral
4	2.890M	28.5	+0.1	+0.1	+9.3	-19.1	+0.0	18.9	29.5	-10.6	Paral
5	2.338M	27.4	+0.1	+0.1	+9.4	-19.1	+0.0	17.9	29.5	-11.6	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 14:47:05 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 35 Parallel
Underground Site 1 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	9:39:31 AM
Equipment:	**BPL MV Gateway**	Sequence#:	5
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

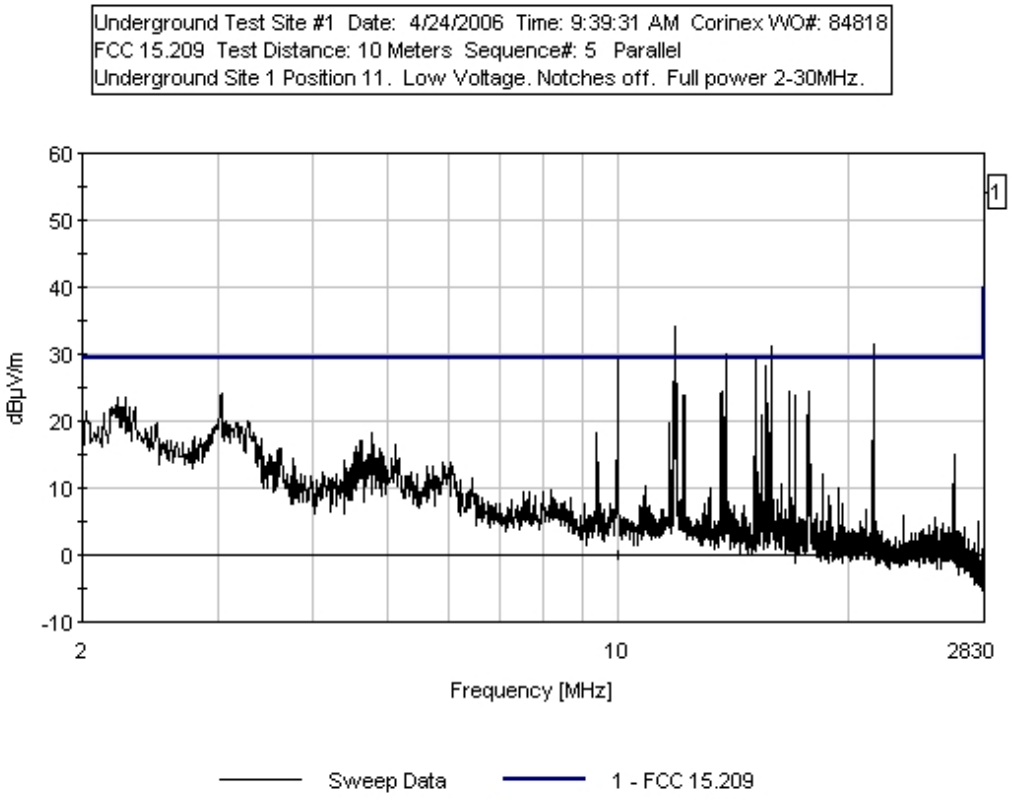
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 11. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.345M	31.7	+0.1	+0.1	+9.4	-19.1	+0.0	22.2	29.5	-7.3	Paral
2	2.132M	30.8	+0.1	+0.1	+9.4	-19.1	+0.0	21.3	29.5	-8.2	Paral
3	2.808M	27.3	+0.1	+0.1	+9.3	-19.1	+0.0	17.7	29.5	-11.8	Paral
4	3.374M	27.2	+0.1	+0.1	+9.3	-19.1	+0.0	17.6	29.5	-11.9	Paral


Underground Test Site #1 Date: 4/24/2006 Time: 9:39:31 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 5 Parallel
Underground Site 1 Position 11. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
1
2
10
2830
Frequency [MHz]
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	9:41:18 AM
Equipment:	**BPL MV Gateway**	Sequence#:	6
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

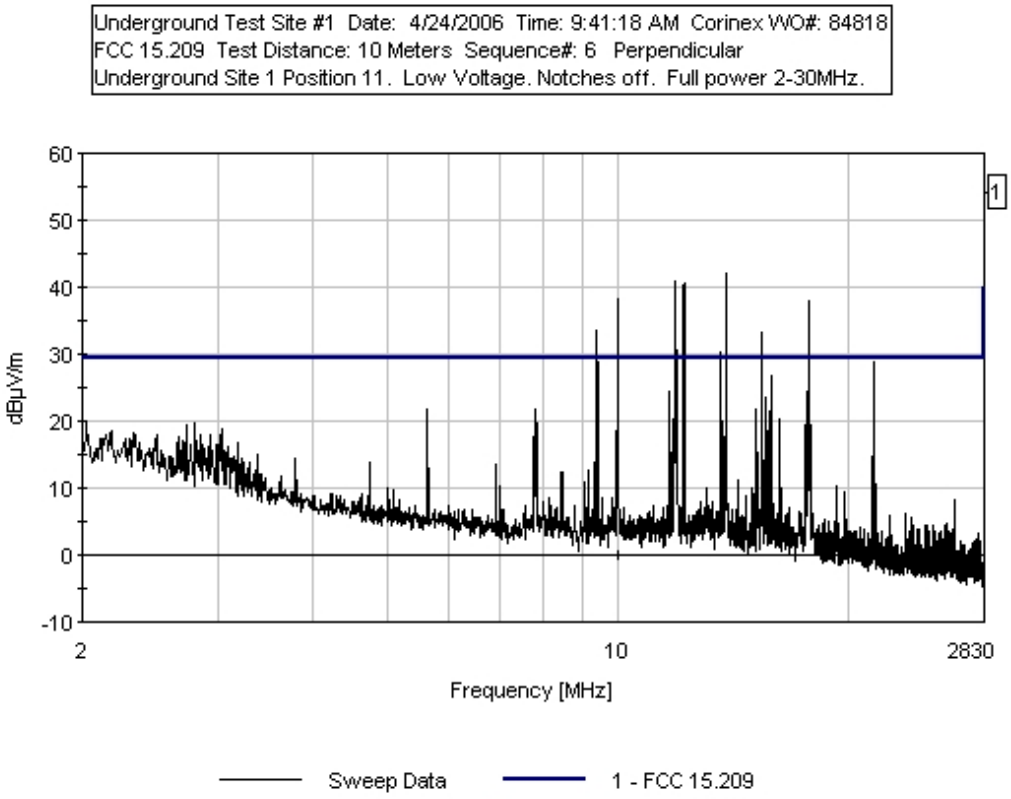
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 11. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.029M	29.3	+0.1	+0.1	+9.4	-19.1	+0.0	19.8	29.5	-9.7	Perpe
2	2.808M	29.4	+0.1	+0.1	+9.3	-19.1	+0.0	19.8	29.5	-9.7	Perpe
3	2.735M	28.9	+0.1	+0.1	+9.3	-19.1	+0.0	19.3	29.5	-10.2	Perpe
4	3.044M	28.4	+0.1	+0.1	+9.3	-19.1	+0.0	18.8	29.5	-10.7	Perpe
5	2.184M	28.1	+0.1	+0.1	+9.4	-19.1	+0.0	18.6	29.5	-10.9	Perpe


Underground Test Site #1 Date: 4/24/2006 Time: 9:41:18 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 6 Perpendicular
Underground Site 1 Position 11. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
2
10
2830
Frequency [MHz]
1
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	9:33:31 AM
Equipment:	**BPL MV Gateway**	Sequence#:	3
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

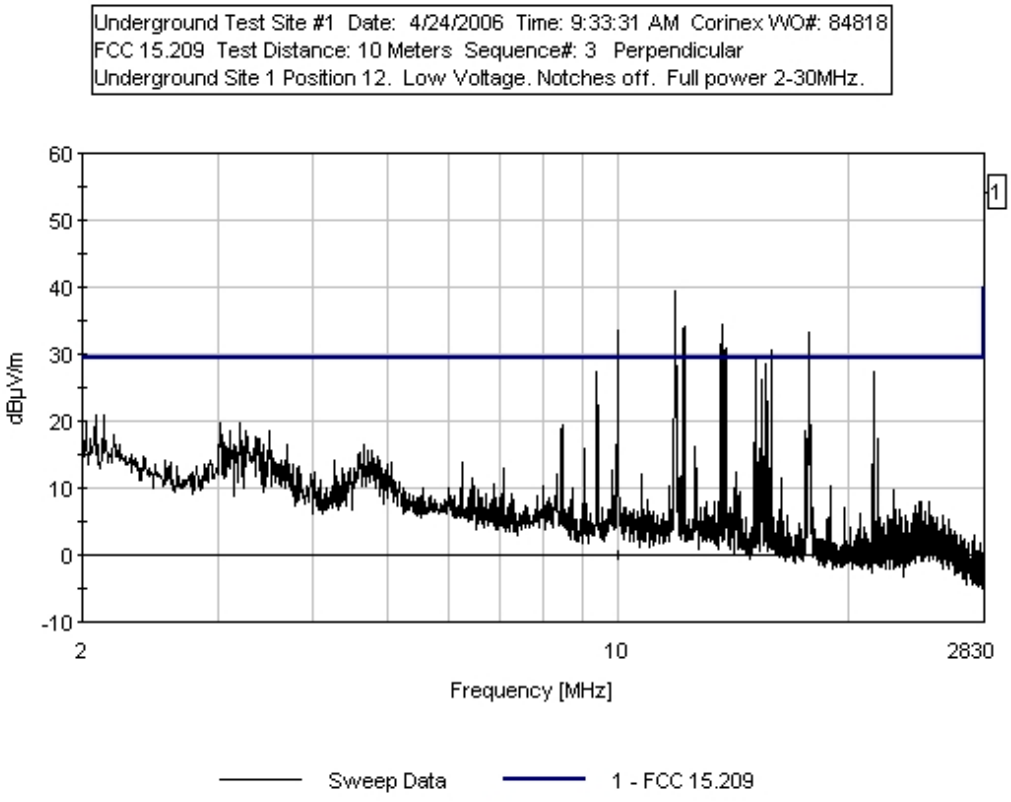
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 12. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.132M	30.4	+0.1	+0.1	+9.4	-19.1	+0.0	20.9	29.5	-8.6	Perpe
2	2.022M	29.3	+0.1	+0.1	+9.4	-19.1	+0.0	19.8	29.5	-9.7	Perpe
3	3.110M	28.0	+0.1	+0.1	+9.3	-19.1	+0.0	18.4	29.5	-11.1	Perpe
4	3.514M	27.9	+0.1	+0.2	+9.3	-19.1	+0.0	18.4	29.5	-11.1	Perpe
5	2.823M	22.7	+0.1	+0.1	+9.3	-19.1	+0.0	13.1	29.5	-16.4	Perpe


Underground Test Site #1 Date: 4/24/2006 Time: 9:33:31 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 3 Perpendicular
Underground Site 1 Position 12. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
1
2
10
2830
Frequency [MHz]
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	9:35:39 AM
Equipment:	**BPL MV Gateway**	Sequence#:	4
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

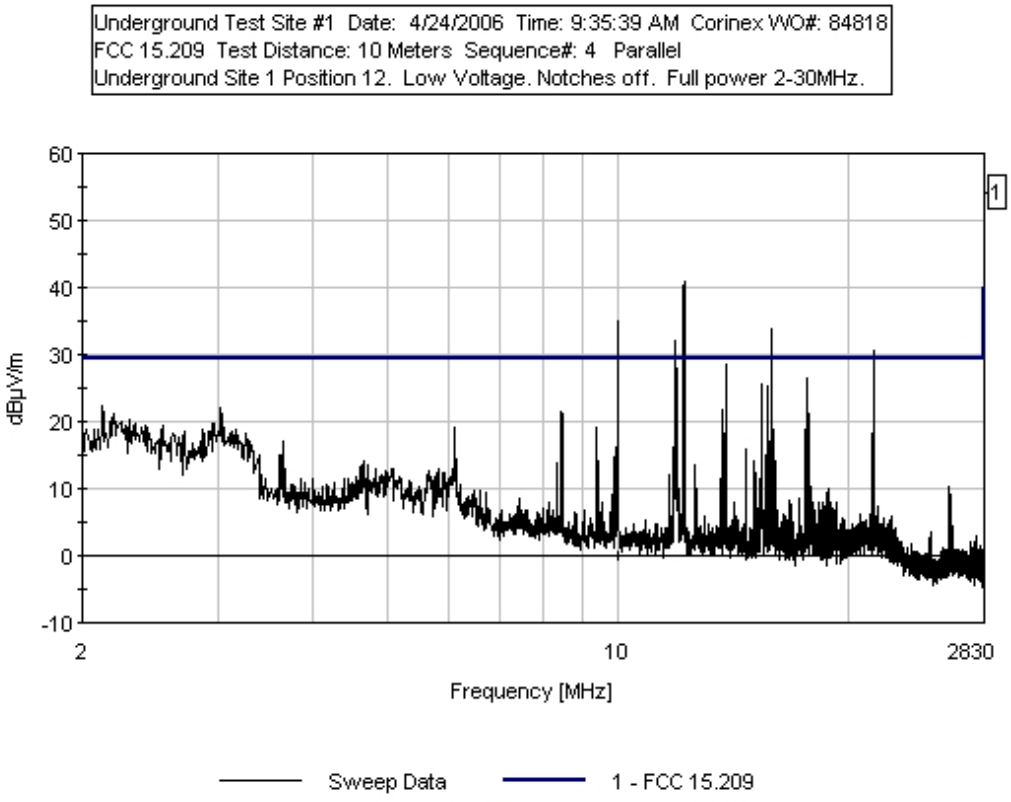
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 12. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.198M	30.8	+0.1	+0.1	+9.4	-19.1	+0.0	21.3	29.5	-8.2	Paral
2	2.544M	29.0	+0.1	+0.1	+9.3	-19.1	+0.0	19.4	29.5	-10.1	Paral
3	2.713M	28.2	+0.1	+0.1	+9.3	-19.1	+0.0	18.6	29.5	-10.9	Paral
4	2.625M	27.7	+0.1	+0.1	+9.3	-19.1	+0.0	18.1	29.5	-11.4	Paral
5	3.264M	27.7	+0.1	+0.1	+9.3	-19.1	+0.0	18.1	29.5	-11.4	Paral


Underground Test Site #1 Date: 4/24/2006 Time: 9:35:39 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 4 Parallel
Underground Site 1 Position 12. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
1
2
10
2830
Frequency [MHz]
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	9:21:40 AM
Equipment:	**BPL MV Gateway**	Sequence#:	1
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

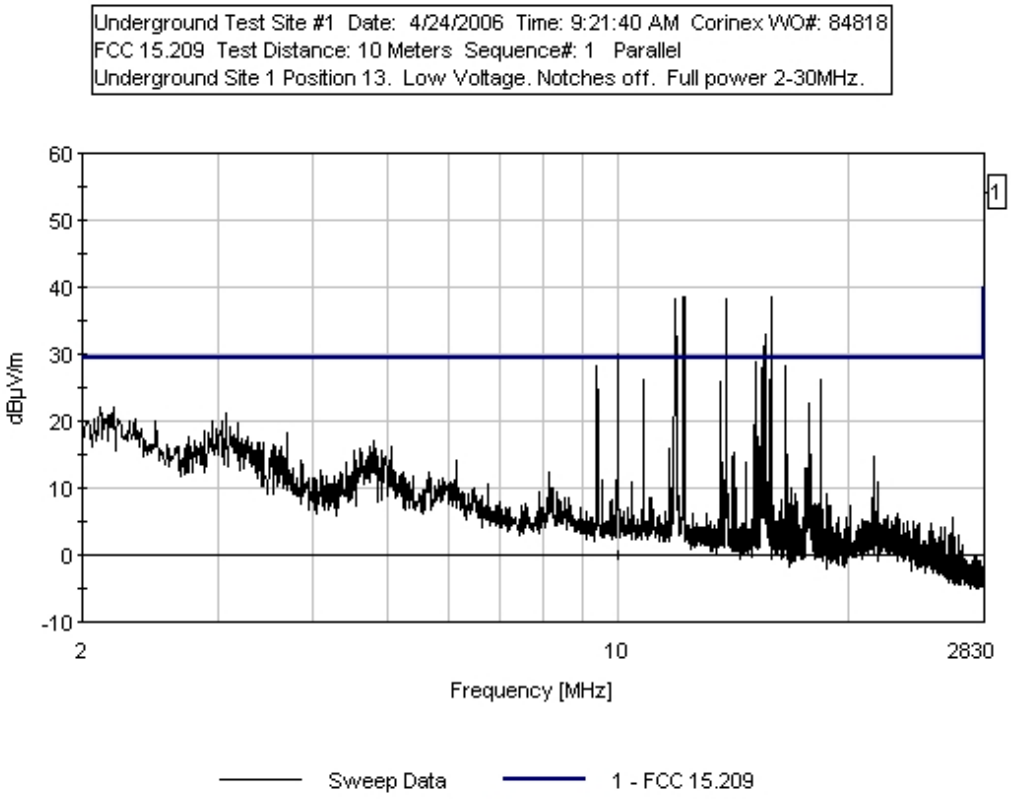
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 13. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.073M	30.8	+0.1	+0.1	+9.3	-19.1	+0.0	21.2	29.5	-8.3	Paral
2	2.154M	30.4	+0.1	+0.1	+9.4	-19.1	+0.0	20.9	29.5	-8.6	Paral
3	2.955M	29.7	+0.1	+0.1	+9.3	-19.1	+0.0	20.1	29.5	-9.4	Paral
4	2.492M	29.5	+0.1	+0.1	+9.4	-19.1	+0.0	20.0	29.5	-9.5	Paral
5	3.396M	26.4	+0.1	+0.1	+9.3	-19.1	+0.0	16.8	29.5	-12.7	Paral


Underground Test Site #1 Date: 4/24/2006 Time: 9:21:40 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 1 Parallel
Underground Site 1 Position 13. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
1
2
10
2830
Frequency [MHz]
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	09:32:22
Equipment:	**BPL MV Gateway**	Sequence#:	2
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

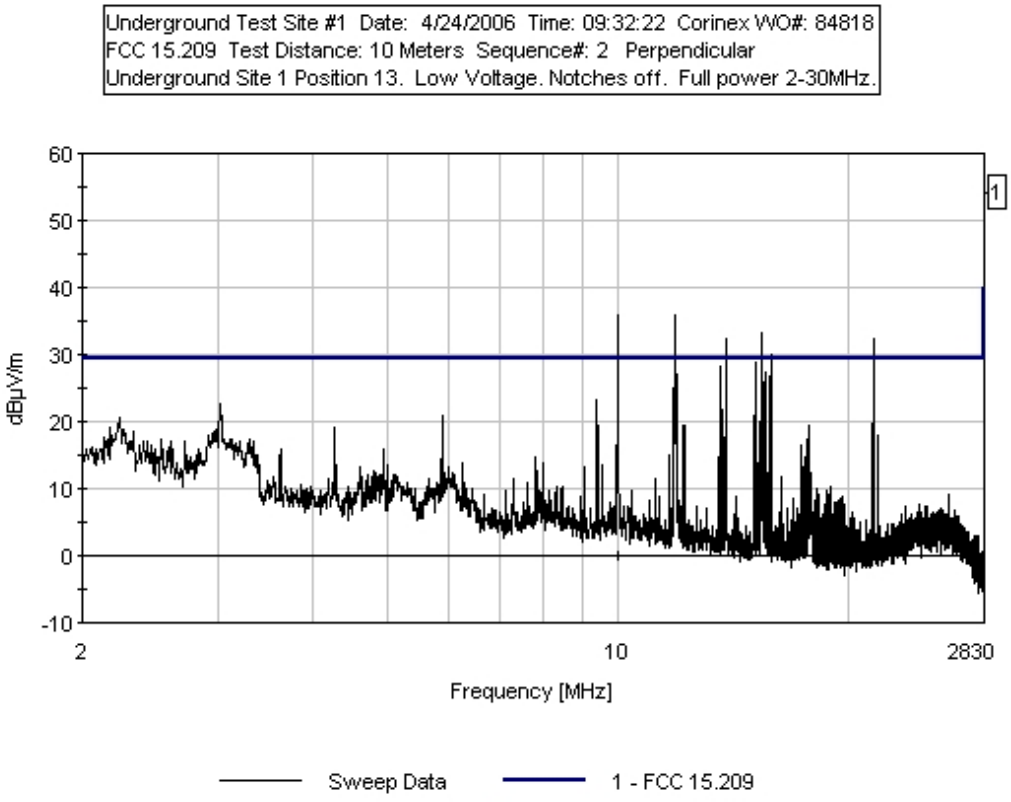
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 13. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.338M	28.0	+0.1	+0.1	+9.4	-19.1	+0.0	18.5	29.5	-11.0	Perpe
2	2.603M	26.8	+0.1	+0.1	+9.3	-19.1	+0.0	17.2	29.5	-12.3	Perpe
3	25.680M	18.4	+0.2	+0.3	+6.6	-19.1	+0.0	6.4	29.5	-23.1	Perpe
4	26.740M	18.5	+0.2	+0.3	+6.2	-19.1	+0.0	6.1	29.5	-23.4	Perpe
5	23.940M	13.3	+0.2	+0.3	+7.1	-19.1	+0.0	1.8	29.5	-27.7	Perpe


Underground Test Site #1 Date: 4/24/2006 Time: 09:32:22 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 2 Perpendicular
Underground Site 1 Position 13. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
2
10
2830
Frequency [MHz]
1
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	9:54:44 AM
Equipment:	**BPL MV Gateway**	Sequence#:	7
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

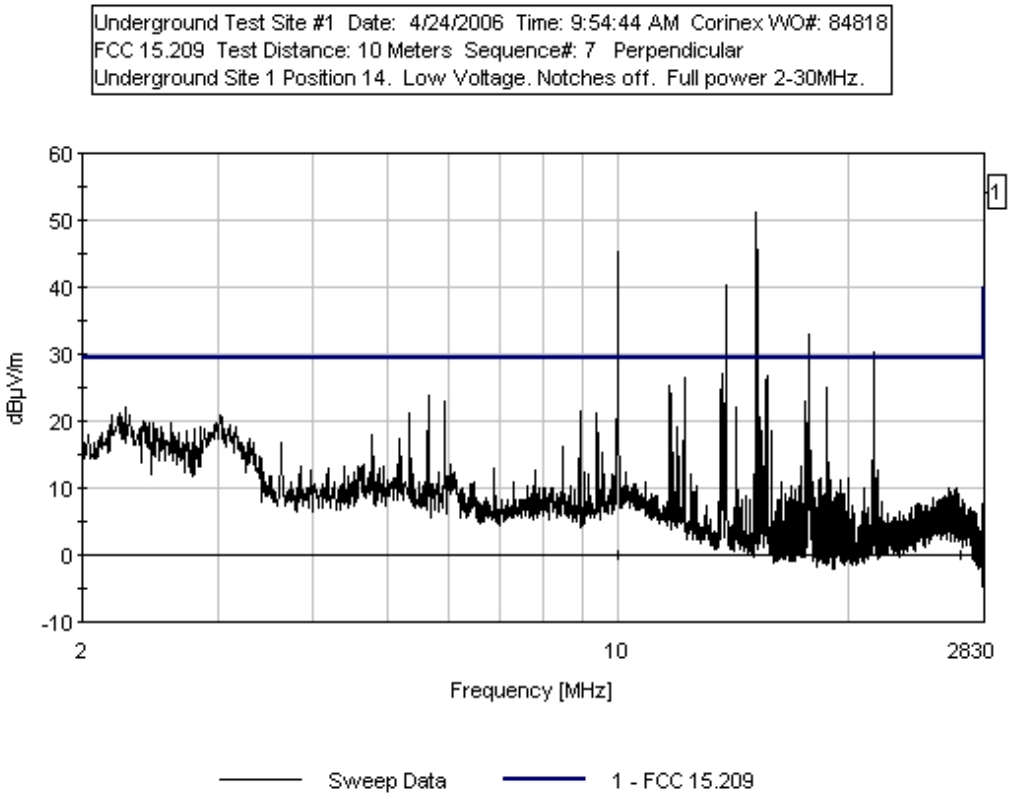
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 14. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.272M	31.5	+0.1	+0.1	+9.4	-19.1	+0.0	22.0	29.5	-7.5	Perpe
2	2.235M	30.6	+0.1	+0.1	+9.4	-19.1	+0.0	21.1	29.5	-8.4	Perpe
3	3.022M	30.5	+0.1	+0.1	+9.3	-19.1	+0.0	20.9	29.5	-8.6	Perpe
4	2.617M	29.3	+0.1	+0.1	+9.3	-19.1	+0.0	19.7	29.5	-9.8	Perpe


Underground Test Site #1 Date: 4/24/2006 Time: 9:54:44 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 7 Perpendicular
Underground Site 1 Position 14. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
1
2
10
2830
Frequency [MHz]
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	10:07:11 AM
Equipment:	**BPL MV Gateway**	Sequence#:	8
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

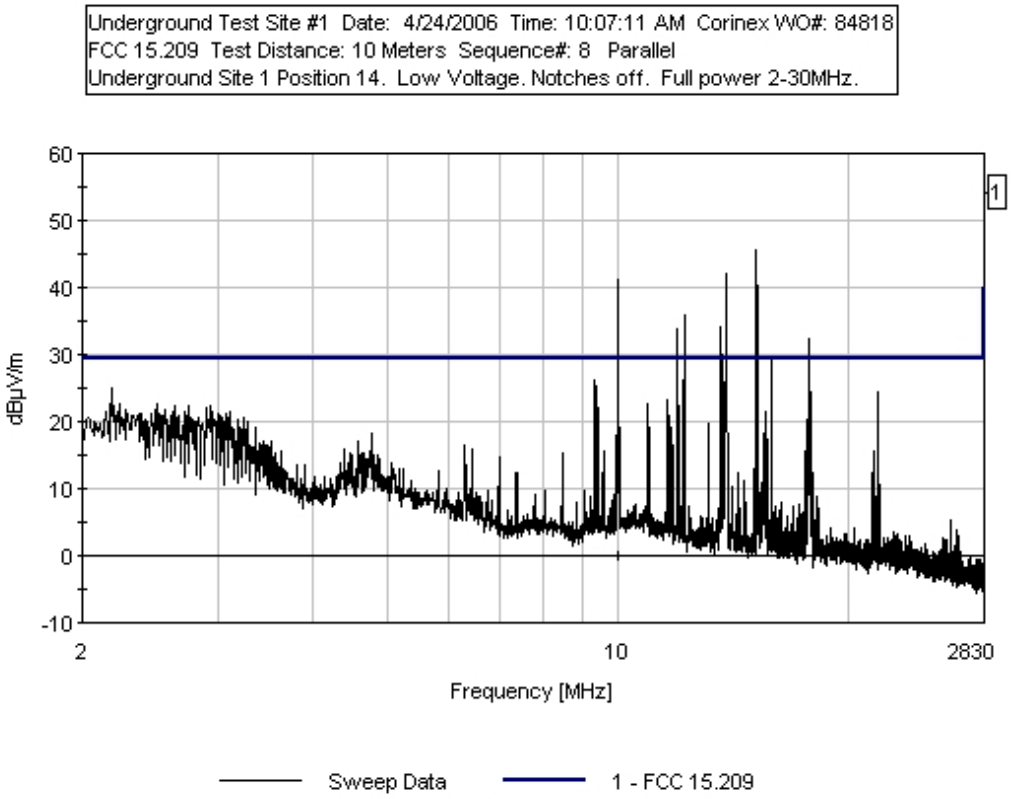
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 14. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.235M	32.2	+0.1	+0.1	+9.4	-19.1	+0.0	22.7	29.5	-6.8	Paral
2	2.500M	32.2	+0.1	+0.1	+9.3	-19.1	+0.0	22.6	29.5	-6.9	Paral
3	2.757M	31.9	+0.1	+0.1	+9.3	-19.1	+0.0	22.3	29.5	-7.2	Paral
4	2.147M	30.9	+0.1	+0.1	+9.4	-19.1	+0.0	21.4	29.5	-8.1	Paral


Underground Test Site #1 Date: 4/24/2006 Time: 10:07:11 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 8 Parallel
Underground Site 1 Position 14. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
1
2
10
2830
Frequency [MHz]
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	10:16:12 AM
Equipment:	**BPL MV Gateway**	Sequence#:	10
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

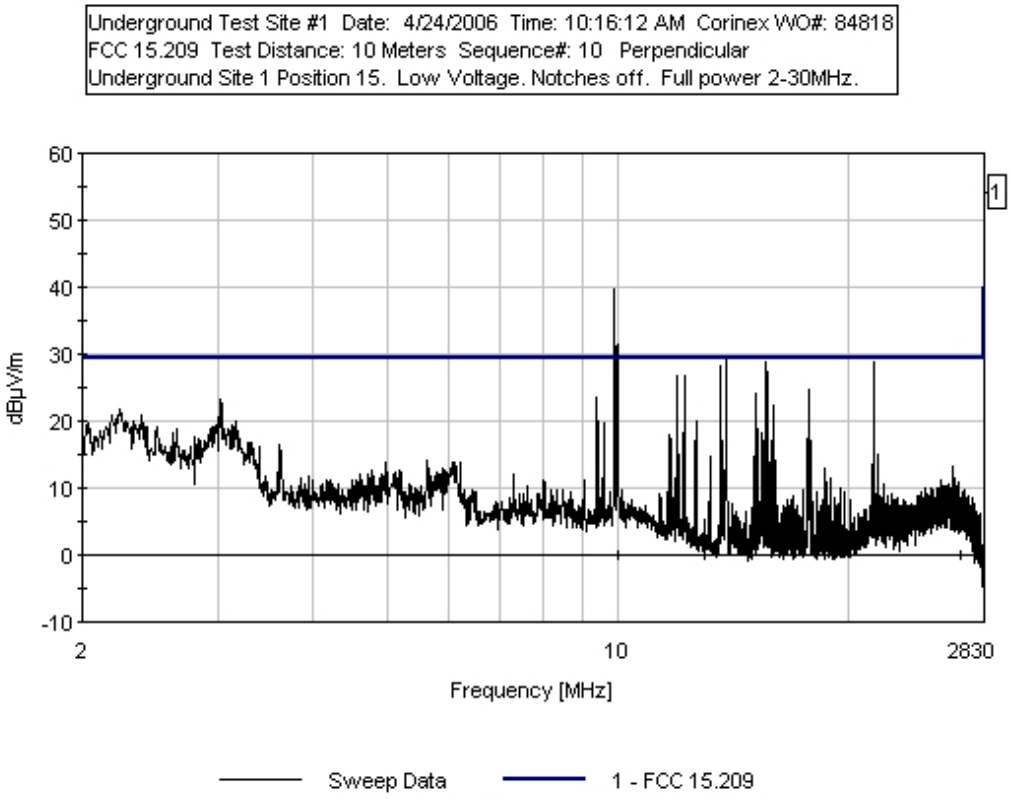
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 15. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.243M	31.4	+0.1	+0.1	+9.4	-19.1	+0.0	21.9	29.5	-7.6	Perpe
2	2.037M	29.1	+0.1	+0.1	+9.4	-19.1	+0.0	19.6	29.5	-9.9	Perpe
3	2.654M	28.3	+0.1	+0.1	+9.3	-19.1	+0.0	18.7	29.5	-10.8	Perpe
4	2.838M	27.1	+0.1	+0.1	+9.3	-19.1	+0.0	17.5	29.5	-12.0	Perpe


Underground Test Site #1 Date: 4/24/2006 Time: 10:16:12 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 10 Perpendicular
Underground Site 1 Position 15. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
1
2
10
2830
Frequency [MHz]
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	10:15:55
Equipment:	**BPL MV Gateway**	Sequence#:	9
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

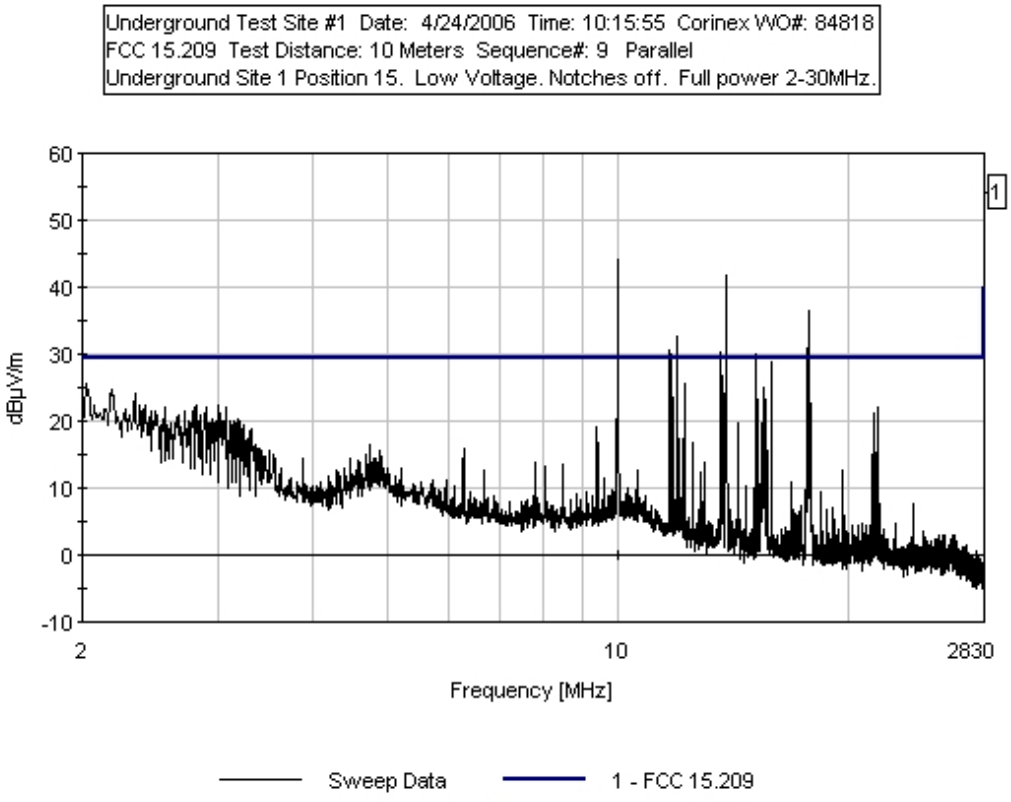
Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 15. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.029M	32.4	+0.1	+0.1	+9.4	-19.1	+0.0	22.9	29.5	-6.6	Paral
^	2.029M	36.0	+0.1	+0.1	+9.4	-19.1	+0.0	26.5	29.5	-3.0	Paral
3 QP	2.188M	31.4	+0.1	+0.1	+9.4	-19.1	+0.0	21.9	29.5	-7.6	Paral
^	2.188M	35.2	+0.1	+0.1	+9.4	-19.1	+0.0	25.7	29.5	-3.8	Paral
5 QP	2.344M	28.9	+0.1	+0.1	+9.4	-19.1	+0.0	19.4	29.5	-10.1	Paral
^	2.344M	35.7	+0.1	+0.1	+9.4	-19.1	+0.0	26.2	29.5	-3.3	Paral


Underground Test Site #1 Date: 4/24/2006 Time: 10:15:55 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 9 Parallel
Underground Site 1 Position 15. Low Voltage. Notches off. Full power 2-30MHz.
60
50
40
30
20
10
0
-10
dBµV/m
2
10
2830
Frequency [MHz]
1
Sweep Data
1 - FCC 15.209

Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	13:12:27
Equipment:	**BPL MV Gateway**	Sequence#:	16
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 16. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

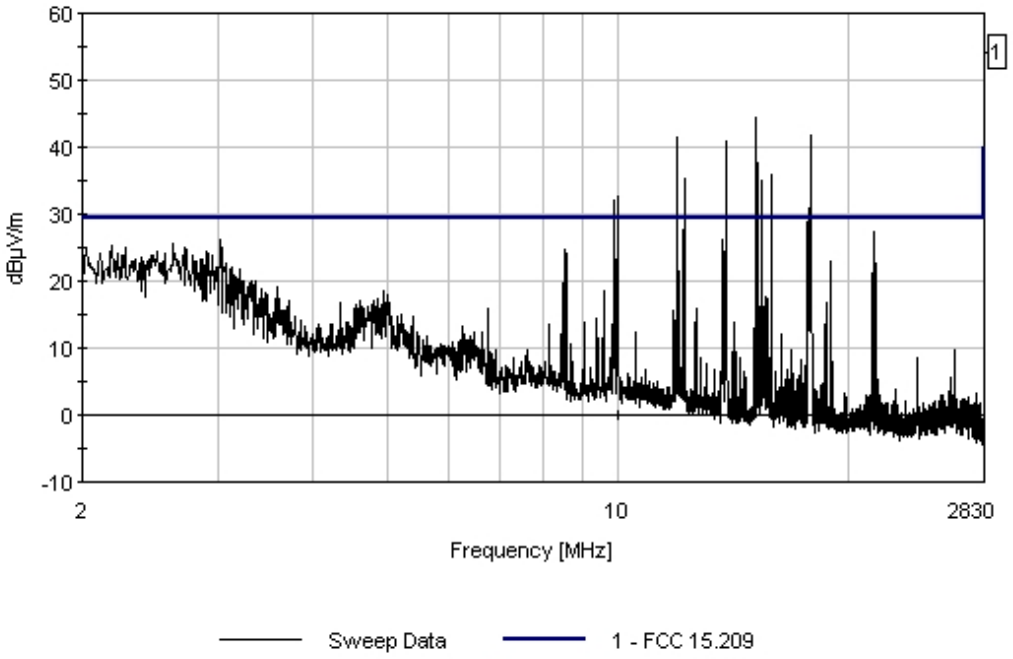
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.184M	34.7	+0.1	+0.1	+9.4	-19.1	+0.0	25.2	29.5	-4.3	Paral
2	2.272M	34.5	+0.1	+0.1	+9.4	-19.1	+0.0	25.0	29.5	-4.5	Paral
3	2.720M	34.5	+0.1	+0.1	+9.3	-19.1	+0.0	24.9	29.5	-4.6	Paral
4	2.507M	34.1	+0.1	+0.1	+9.3	-19.1	+0.0	24.5	29.5	-5.0	Paral

Underground Test Site #1 Date: 4/24/2006 Time: 13:12:27 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 16 Parallel
Underground Site 1 Position 16. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #1 •Grayson Lakes Section 9, Transformer #5 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/24/2006
Test Type:	**Radiated Scan**	Time:	1:12:41 PM
Equipment:	**BPL MV Gateway**	Sequence#:	17
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #1: At Grayson Lakes Section 9, Transformer #5 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 16. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

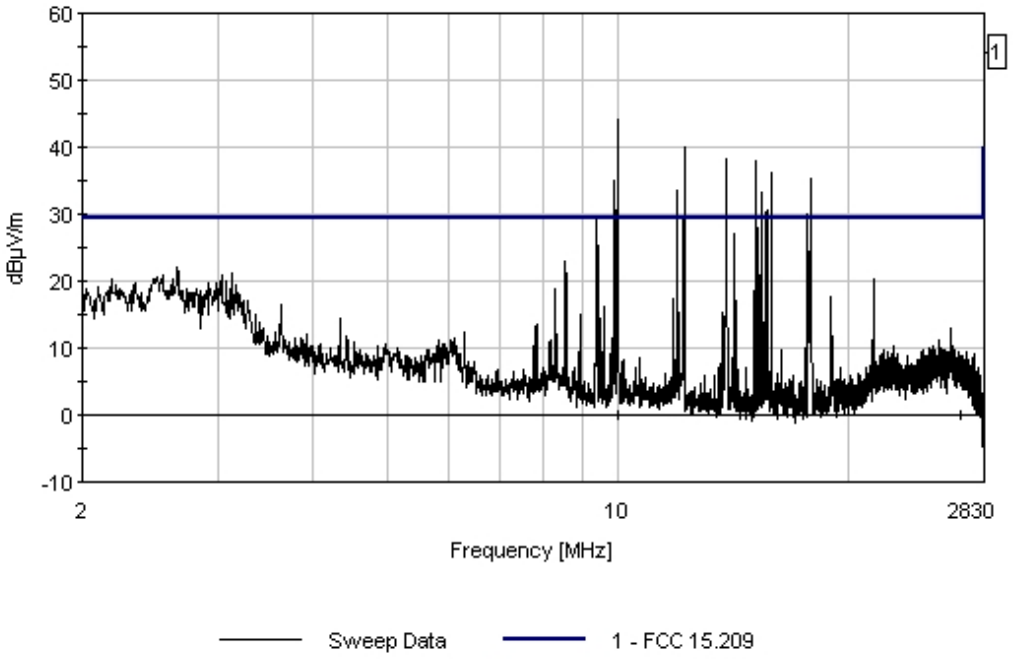
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.661M	31.8	+0.1	+0.1	+9.3	-19.1	+0.0	22.2	29.5	-7.3	Perpe
2	2.926M	29.4	+0.1	+0.1	+9.3	-19.1	+0.0	19.8	29.5	-9.7	Perpe
3	2.103M	28.7	+0.1	+0.1	+9.4	-19.1	+0.0	19.2	29.5	-10.3	Perpe
4	2.742M	28.5	+0.1	+0.1	+9.3	-19.1	+0.0	18.9	29.5	-10.6	Perpe

Underground Test Site #1 Date: 4/24/2006 Time: 1:12:41 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 17 Perpendicular
Underground Site 1 Position 16. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:34:29 PM
Equipment:	**BPL MV Gateway**	Sequence#:	180
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 1. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

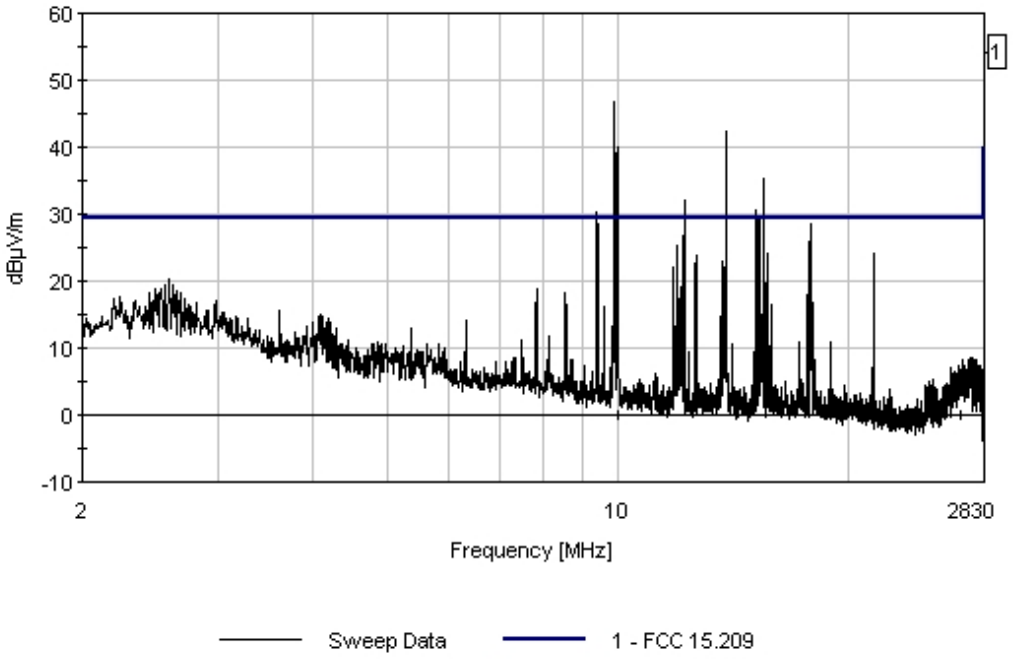
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.588M	29.8	+0.1	+0.1	+9.3	-19.1	+0.0	20.2	29.5	-9.3	Paral
2	2.632M	28.9	+0.1	+0.1	+9.3	-19.1	+0.0	19.3	29.5	-10.2	Paral
3	2.485M	28.3	+0.1	+0.1	+9.4	-19.1	+0.0	18.8	29.5	-10.7	Paral
4	2.861M	28.1	+0.1	+0.1	+9.3	-19.1	+0.0	18.5	29.5	-11.0	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 2:34:29 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 180 Parallel
Underground Site 2 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:40:20 PM
Equipment:	**BPL MV Gateway**	Sequence#:	181
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 1. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

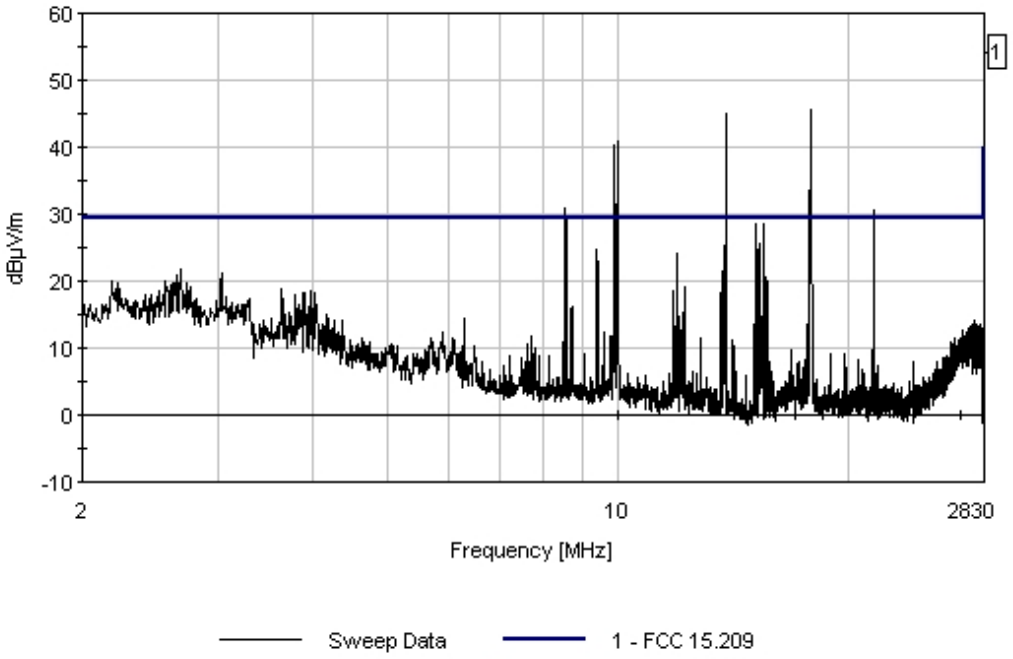
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.036M	30.7	+0.1	+0.1	+9.3	-19.1	+0.0	21.1	29.5	-8.4	Perpe
2	2.654M	30.4	+0.1	+0.1	+9.3	-19.1	+0.0	20.8	29.5	-8.7	Perpe
3	3.639M	28.4	+0.1	+0.2	+9.3	-19.1	+0.0	18.9	29.5	-10.6	Perpe
4	4.014M	27.6	+0.1	+0.2	+9.3	-19.1	+0.0	18.1	29.5	-11.4	Perpe
5	2.456M	27.5	+0.1	+0.1	+9.4	-19.1	+0.0	18.0	29.5	-11.5	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 2:40:20 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 181 Perpendicular
Underground Site 2 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	3:01:25 PM
Equipment:	**BPL MV Gateway**	Sequence#:	188
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 2. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

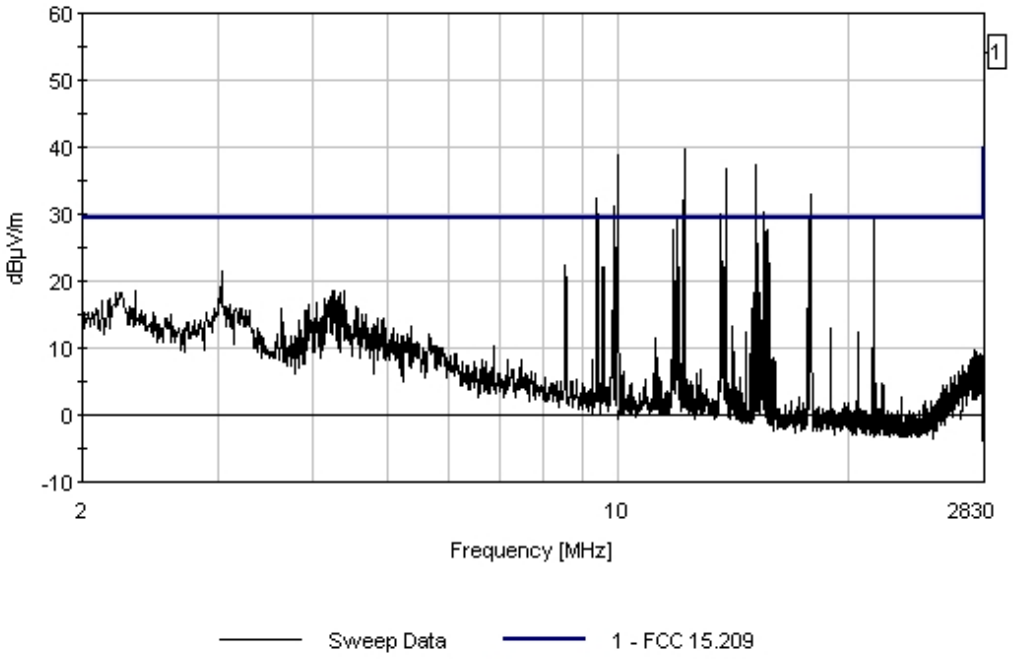
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.345M	28.1	+0.1	+0.1	+9.4	-19.1	+0.0	18.6	29.5	-10.9	Paral
2	4.264M	28.2	+0.1	+0.2	+9.2	-19.1	+0.0	18.6	29.5	-10.9	Paral
3	3.169M	25.6	+0.1	+0.1	+9.3	-19.1	+0.0	16.0	29.5	-13.5	Paral
4	3.904M	25.0	+0.1	+0.2	+9.3	-19.1	+0.0	15.5	29.5	-14.0	Paral
5	4.631M	24.6	+0.1	+0.1	+9.2	-19.1	+0.0	14.9	29.5	-14.6	Paral
6	4.942M	24.2	+0.1	+0.1	+9.2	-19.1	+0.0	14.5	29.5	-15.0	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 3:01:25 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 188 Parallel
Underground Site 2 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	3:04:00 PM
Equipment:	**BPL MV Gateway**	Sequence#:	189
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 2. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

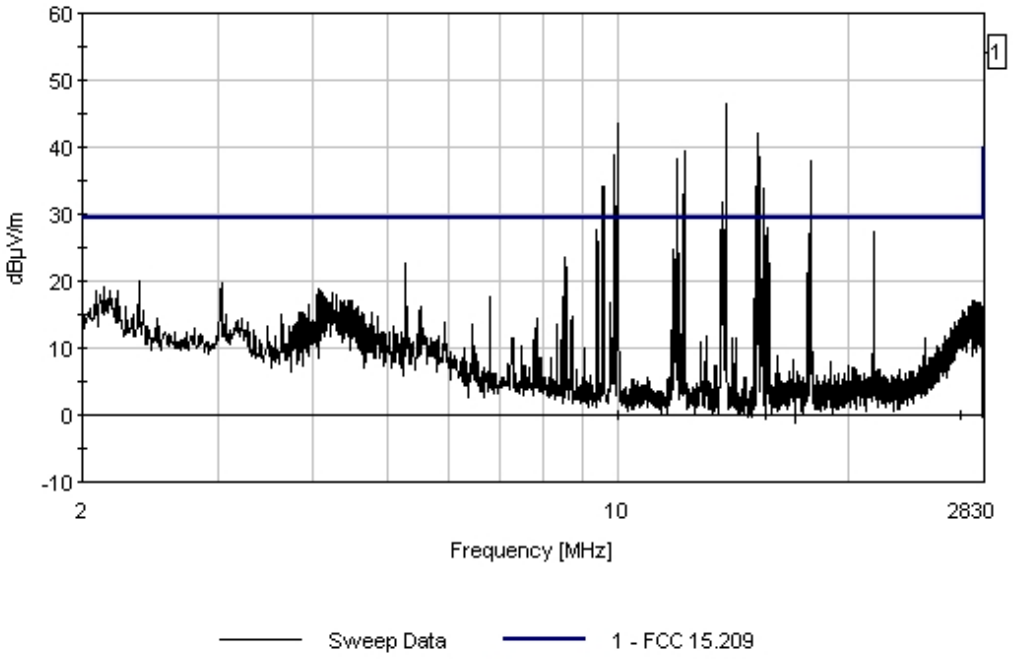
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.087M	28.2	+0.1	+0.2	+9.2	-19.1	+0.0	18.6	29.5	-10.9	Perpe
2	2.081M	28.0	+0.1	+0.1	+9.4	-19.1	+0.0	18.5	29.5	-11.0	Perpe
3	2.228M	27.9	+0.1	+0.1	+9.4	-19.1	+0.0	18.4	29.5	-11.1	Perpe
4	4.447M	26.6	+0.1	+0.2	+9.2	-19.1	+0.0	17.0	29.5	-12.5	Perpe
5	28.932M	30.1	+0.3	+0.3	+5.4	-19.1	+0.0	17.0	29.5	-12.5	Perpe
6	29.702M	30.2	+0.3	+0.3	+5.1	-19.1	+0.0	16.8	29.5	-12.7	Perpe
7	3.881M	24.9	+0.1	+0.2	+9.3	-19.1	+0.0	15.4	29.5	-14.1	Perpe
8	4.660M	24.7	+0.1	+0.1	+9.2	-19.1	+0.0	15.0	29.5	-14.5	Perpe
9	27.827M	26.8	+0.3	+0.3	+5.8	-19.1	+0.0	14.1	29.5	-15.4	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 3:04:00 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 189 Perpendicular
Underground Site 2 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	3:05:51 PM
Equipment:	**BPL MV Gateway**	Sequence#:	190
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 3. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

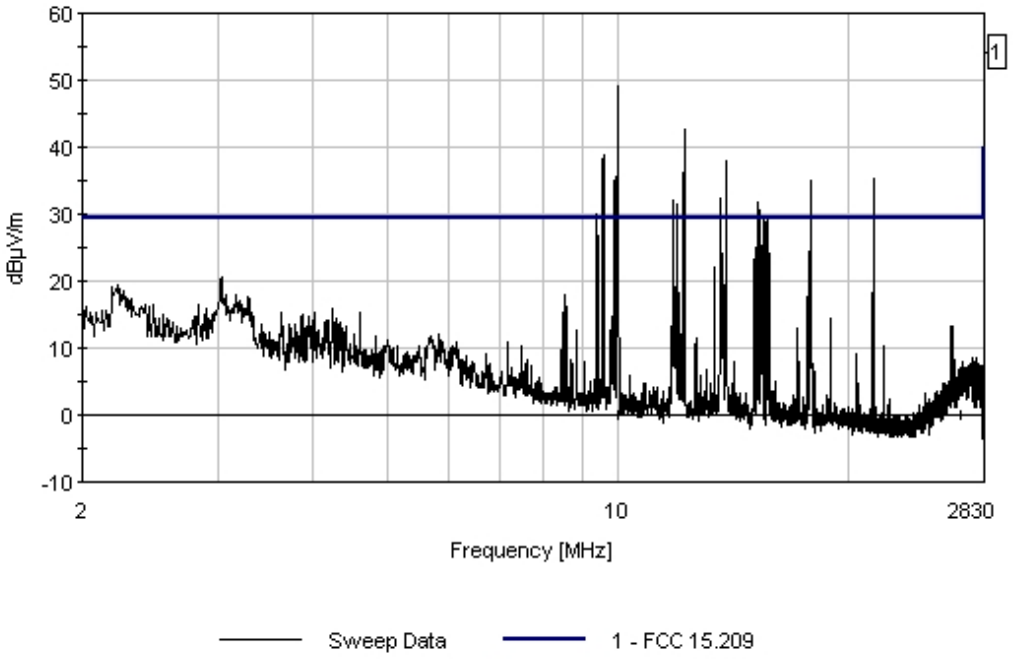
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.036M	30.1	+0.1	+0.1	+9.3	-19.1	+0.0	20.5	29.5	-9.0	Paral
2	2.220M	28.9	+0.1	+0.1	+9.4	-19.1	+0.0	19.4	29.5	-10.1	Paral
3	2.478M	26.1	+0.1	+0.1	+9.4	-19.1	+0.0	16.6	29.5	-12.9	Paral
4	2.830M	26.2	+0.1	+0.1	+9.3	-19.1	+0.0	16.6	29.5	-12.9	Paral
5	3.426M	23.1	+0.1	+0.1	+9.3	-19.1	+0.0	13.5	29.5	-16.0	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 3:05:51 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 190 Parallel
Underground Site 2 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	3:07:29 PM
Equipment:	**BPL MV Gateway**	Sequence#:	191
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 3. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

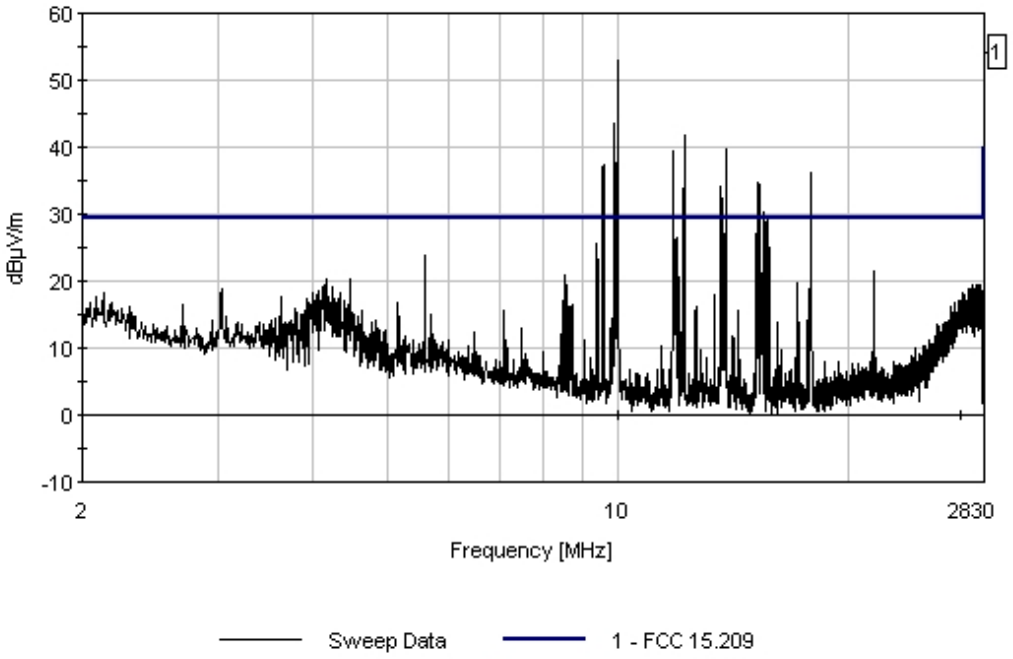
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.124M	28.7	+0.1	+0.2	+9.2	-19.1	+0.0	19.1	29.5	-10.4	Perpe
2	29.538M	31.8	+0.3	+0.3	+5.2	-19.1	+0.0	18.5	29.5	-11.0	Perpe
3	4.330M	27.9	+0.1	+0.2	+9.2	-19.1	+0.0	18.3	29.5	-11.2	Perpe
4	28.148M	31.1	+0.3	+0.3	+5.7	-19.1	+0.0	18.3	29.5	-11.2	Perpe
5	3.632M	27.2	+0.1	+0.2	+9.3	-19.1	+0.0	17.7	29.5	-11.8	Perpe
6	2.081M	27.1	+0.1	+0.1	+9.4	-19.1	+0.0	17.6	29.5	-11.9	Perpe
7	3.933M	26.9	+0.1	+0.2	+9.3	-19.1	+0.0	17.4	29.5	-12.1	Perpe
8	27.053M	27.3	+0.2	+0.3	+6.1	-19.1	+0.0	14.8	29.5	-14.7	Perpe
9	3.404M	23.5	+0.1	+0.1	+9.3	-19.1	+0.0	13.9	29.5	-15.6	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 3:07:29 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 191 Perpendicular
Underground Site 2 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	3:09:43 PM
Equipment:	**BPL MV Gateway**	Sequence#:	192
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 4. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

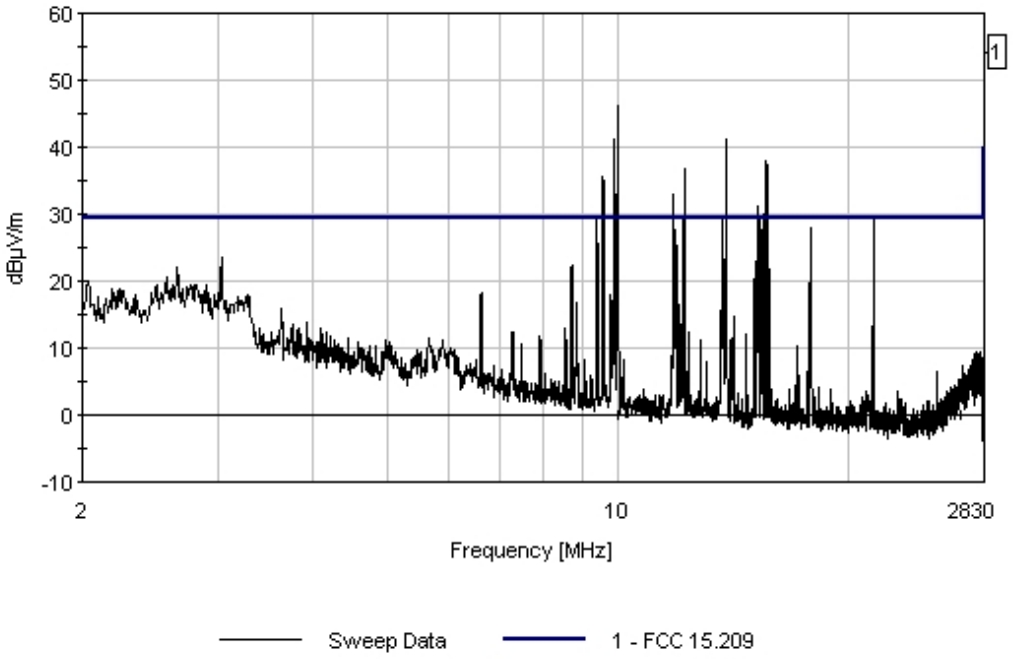
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.661M	31.6	+0.1	+0.1	+9.3	-19.1	+0.0	22.0	29.5	-7.5	Paral
2	2.191M	28.3	+0.1	+0.1	+9.4	-19.1	+0.0	18.8	29.5	-10.7	Paral
3	2.353M	27.5	+0.1	+0.1	+9.4	-19.1	+0.0	18.0	29.5	-11.5	Paral
4	3.279M	27.6	+0.1	+0.1	+9.3	-19.1	+0.0	18.0	29.5	-11.5	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 3:09:43 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 192 Parallel
Underground Site 2 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	3:11:27 PM
Equipment:	**BPL MV Gateway**	Sequence#:	193
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 4. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

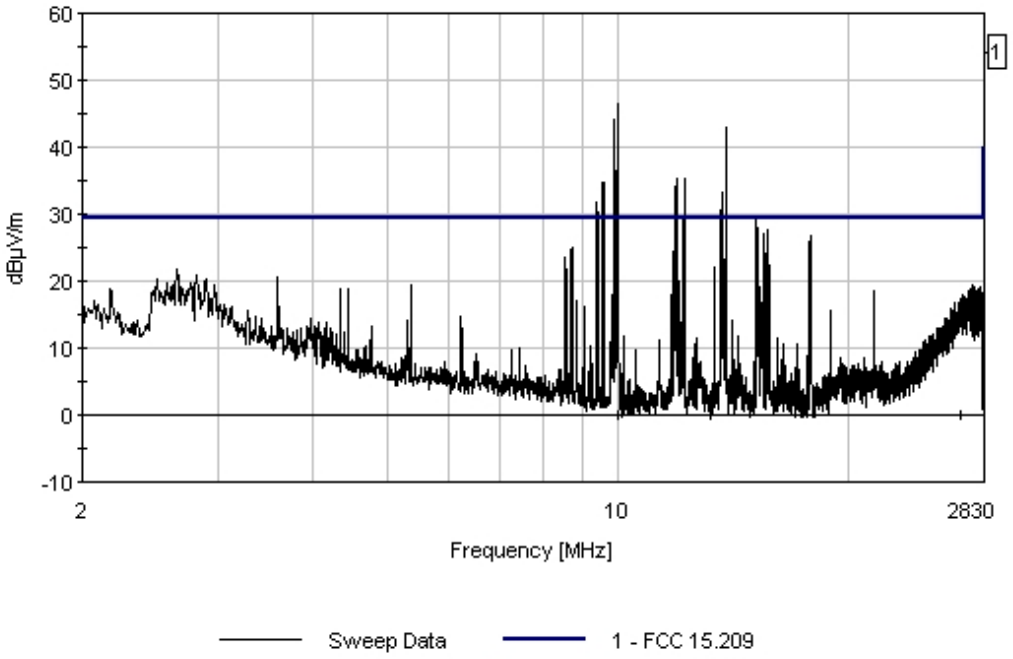
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.977M	29.0	+0.1	+0.1	+9.3	-19.1	+0.0	19.4	29.5	-10.1	Perpe
2	29.700M	32.6	+0.3	+0.3	+5.1	-19.1	+0.0	19.2	29.5	-10.3	Perpe
3	28.771M	31.9	+0.3	+0.3	+5.4	-19.1	+0.0	18.8	29.5	-10.7	Perpe
4	2.176M	28.2	+0.1	+0.1	+9.4	-19.1	+0.0	18.7	29.5	-10.8	Perpe
5	3.286M	25.2	+0.1	+0.1	+9.3	-19.1	+0.0	15.6	29.5	-13.9	Perpe
6	27.204M	28.0	+0.2	+0.3	+6.0	-19.1	+0.0	15.4	29.5	-14.1	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 3:11:27 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 193 Perpendicular
Underground Site 2 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	16:44:17
Equipment:	**BPL MV Gateway**	Sequence#:	210
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 5. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

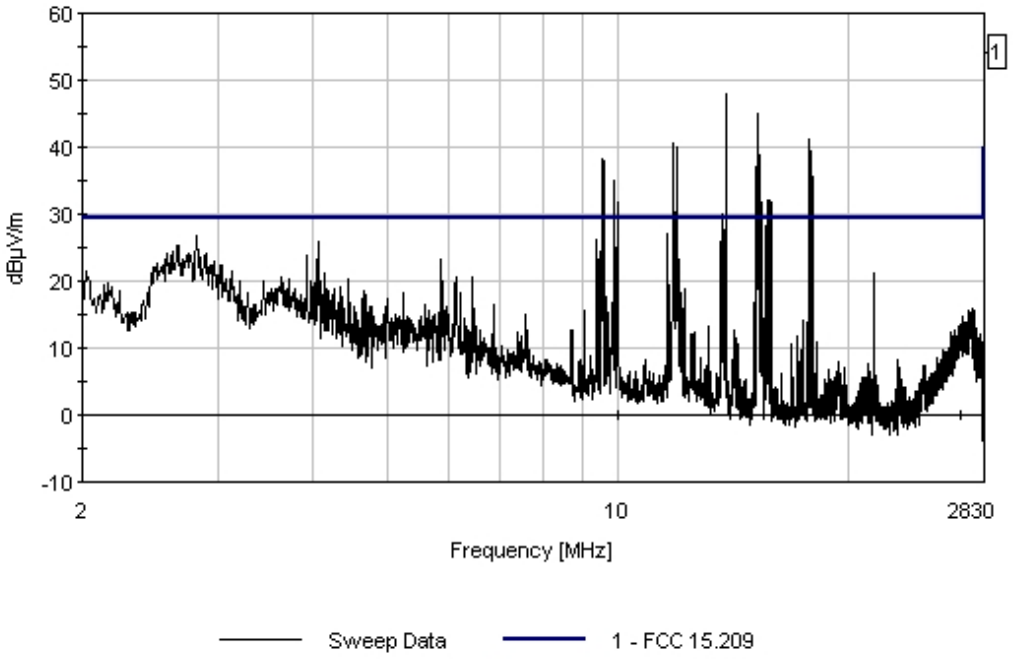
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.669M	30.3	+0.1	+0.1	+9.3	-19.1	+0.0	20.7	29.5	-8.8	Paral
2	3.213M	29.7	+0.1	+0.1	+9.3	-19.1	+0.0	20.1	29.5	-9.4	Paral
3	2.897M	29.7	+0.1	+0.1	+9.3	-19.1	+0.0	20.1	29.5	-9.4	Paral
4	2.235M	28.1	+0.1	+0.1	+9.4	-19.1	+0.0	18.6	29.5	-10.9	Paral
5	29.056M	28.8	+0.3	+0.3	+5.3	-19.1	+0.0	15.6	29.5	-13.9	Paral
6	28.299M	26.7	+0.3	+0.3	+5.6	-19.1	+0.0	13.8	29.5	-15.7	Paral
7	27.827M	26.0	+0.3	+0.3	+5.8	-19.1	+0.0	13.3	29.5	-16.2	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 16:44:17 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 210 Parallel
Underground Site 2 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:44:37 PM
Equipment:	**BPL MV Gateway**	Sequence#:	211
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 5. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

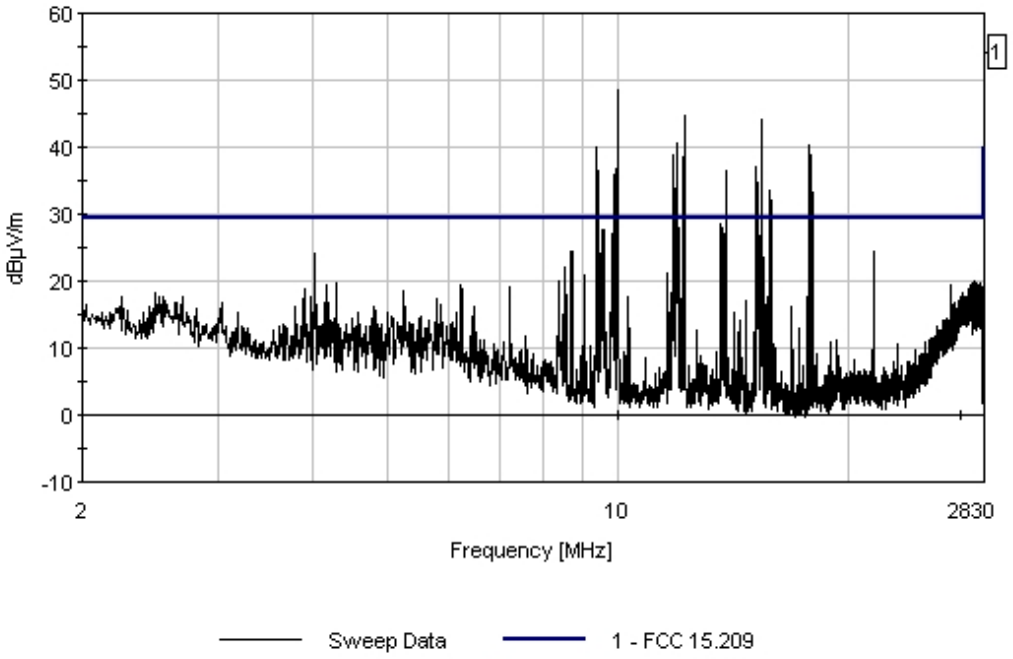
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	29.657M	32.7	+0.3	+0.3	+5.1	-19.1	+0.0	19.3	29.5	-10.2	Perpe
2	2.257M	27.2	+0.1	+0.1	+9.4	-19.1	+0.0	17.7	29.5	-11.8	Perpe
3	28.289M	30.6	+0.3	+0.3	+5.6	-19.1	+0.0	17.7	29.5	-11.8	Perpe
4	2.698M	27.2	+0.1	+0.1	+9.3	-19.1	+0.0	17.6	29.5	-11.9	Perpe
5	27.364M	28.2	+0.2	+0.3	+6.0	-19.1	+0.0	15.6	29.5	-13.9	Perpe
6	2.404M	24.9	+0.1	+0.1	+9.4	-19.1	+0.0	15.4	29.5	-14.1	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 4:44:37 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 211 Perpendicular
Underground Site 2 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:46:14 PM
Equipment:	**BPL MV Gateway**	Sequence#:	212
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 6. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

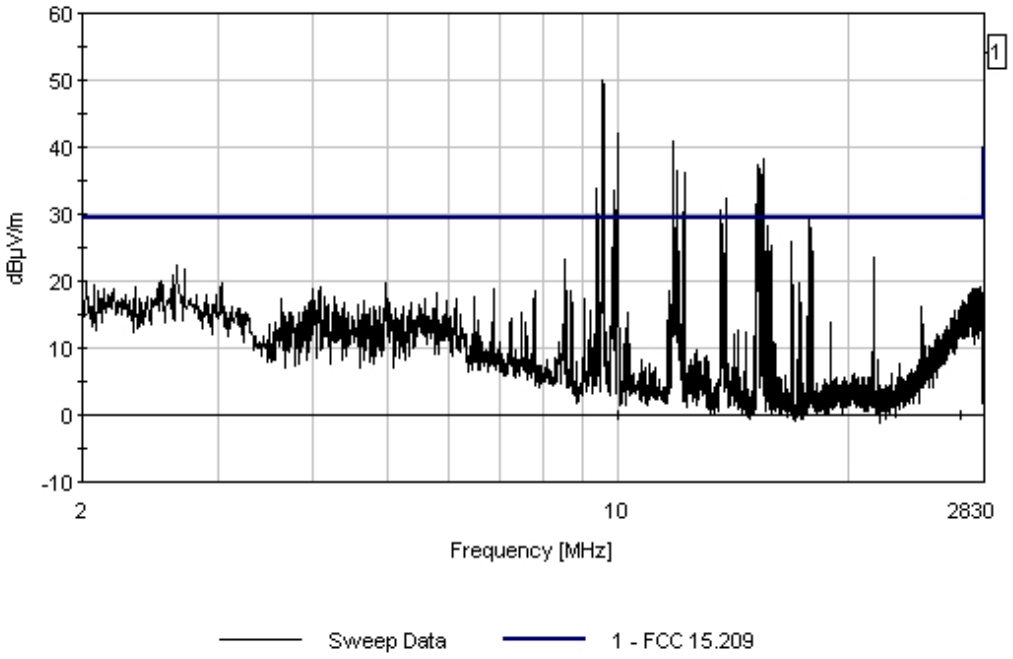
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.973M	29.3	+0.1	+0.1	+9.2	-19.1	+0.0	19.6	29.5	-9.9	Perpe
2	4.095M	28.7	+0.1	+0.2	+9.2	-19.1	+0.0	19.1	29.5	-10.4	Perpe
3	29.702M	32.5	+0.3	+0.3	+5.1	-19.1	+0.0	19.1	29.5	-10.4	Perpe
4	28.932M	31.8	+0.3	+0.3	+5.4	-19.1	+0.0	18.7	29.5	-10.8	Perpe
5	2.103M	28.0	+0.1	+0.1	+9.4	-19.1	+0.0	18.5	29.5	-11.0	Perpe
6	2.897M	27.5	+0.1	+0.1	+9.3	-19.1	+0.0	17.9	29.5	-11.6	Perpe
7	27.987M	28.9	+0.3	+0.3	+5.7	-19.1	+0.0	16.1	29.5	-13.4	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 4:46:14 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 212 Perpendicular
Underground Site 2 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:47:44 PM
Equipment:	**BPL MV Gateway**	Sequence#:	213
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 6. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

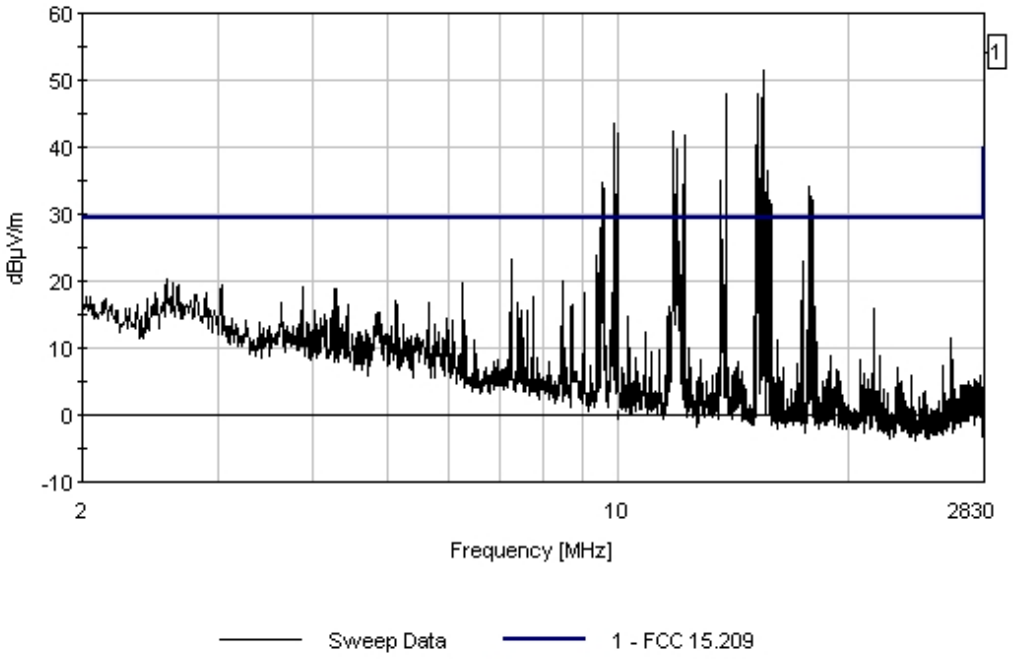
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.897M	27.9	+0.1	+0.1	+9.3	-19.1	+0.0	18.3	29.5	-11.2	Paral
2	2.426M	26.8	+0.1	+0.1	+9.4	-19.1	+0.0	17.3	29.5	-12.2	Paral
3	3.411M	23.4	+0.1	+0.1	+9.3	-19.1	+0.0	13.8	29.5	-15.7	Paral
4	3.933M	23.3	+0.1	+0.2	+9.3	-19.1	+0.0	13.8	29.5	-15.7	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 4:47:44 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 213 Parallel
Underground Site 2 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:49:13 PM
Equipment:	**BPL MV Gateway**	Sequence#:	214
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 7. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

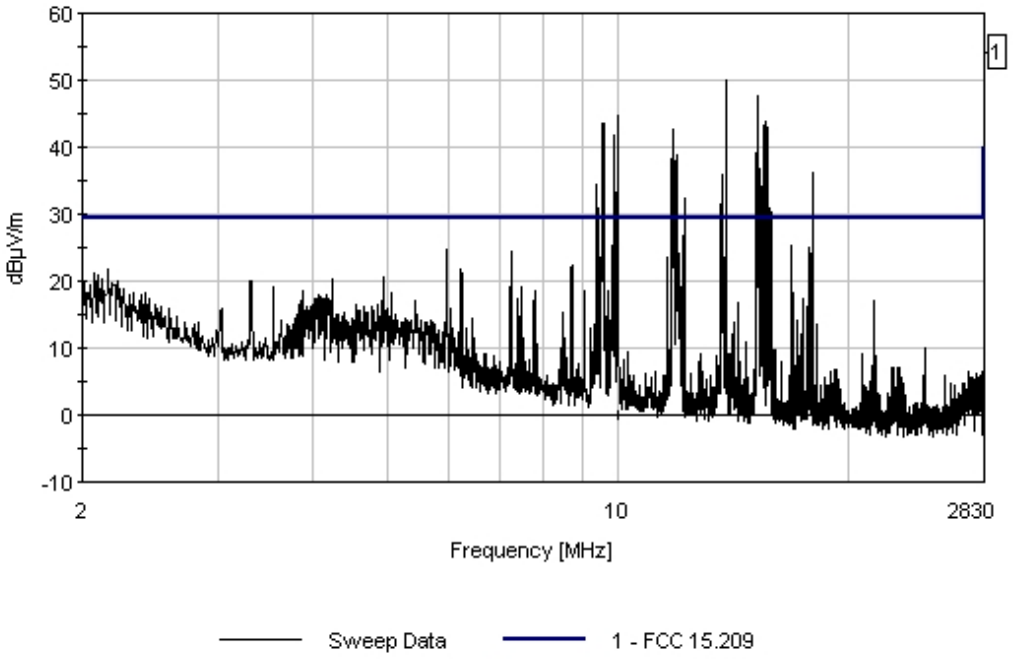
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.044M	29.0	+0.1	+0.1	+9.4	-19.1	+0.0	19.5	29.5	-10.0	Paral
2	2.265M	28.4	+0.1	+0.1	+9.4	-19.1	+0.0	18.9	29.5	-10.6	Paral
3	3.852M	26.5	+0.1	+0.2	+9.3	-19.1	+0.0	17.0	29.5	-12.5	Paral
4	2.485M	26.1	+0.1	+0.1	+9.4	-19.1	+0.0	16.6	29.5	-12.9	Paral
5	4.006M	26.1	+0.1	+0.2	+9.3	-19.1	+0.0	16.6	29.5	-12.9	Paral
6	4.866M	26.1	+0.1	+0.1	+9.2	-19.1	+0.0	16.4	29.5	-13.1	Paral
7	5.013M	25.6	+0.1	+0.1	+9.2	-19.1	+0.0	15.9	29.5	-13.6	Paral
8	4.308M	24.7	+0.1	+0.2	+9.2	-19.1	+0.0	15.1	29.5	-14.4	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 4:49:13 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 214 Parallel
Underground Site 2 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:50:41 PM
Equipment:	**BPL MV Gateway**	Sequence#:	215
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 7. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

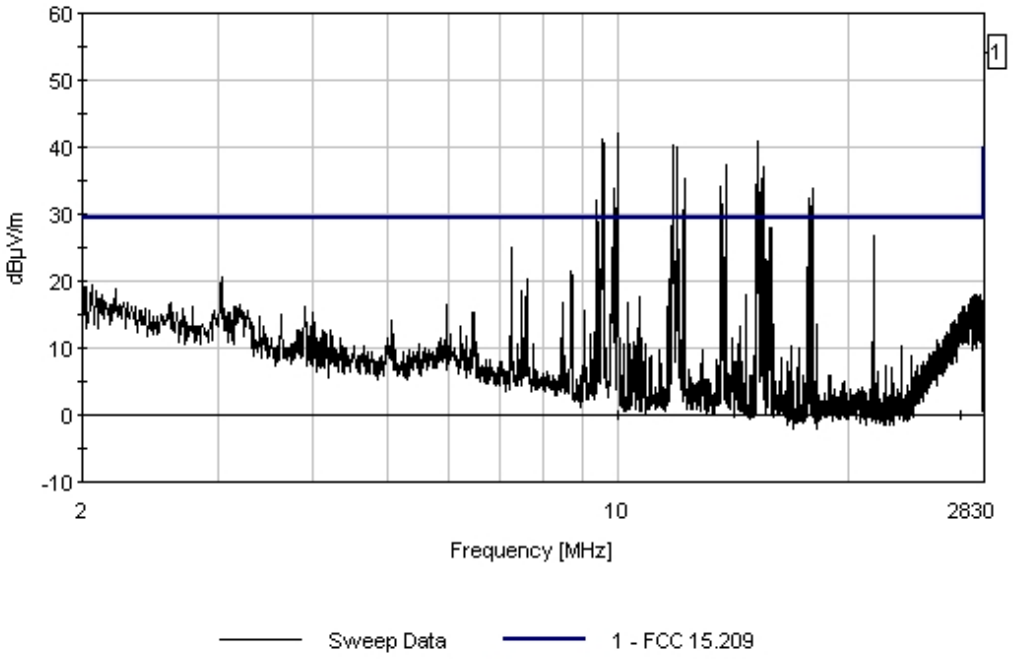
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.206M	28.3	+0.1	+0.1	+9.4	-19.1	+0.0	18.8	29.5	-10.7	Perpe
2	2.088M	28.0	+0.1	+0.1	+9.4	-19.1	+0.0	18.5	29.5	-11.0	Perpe
3	28.771M	30.5	+0.3	+0.3	+5.4	-19.1	+0.0	17.4	29.5	-12.1	Perpe
4	29.735M	30.7	+0.3	+0.3	+5.1	-19.1	+0.0	17.3	29.5	-12.2	Perpe
5	2.706M	25.6	+0.1	+0.1	+9.3	-19.1	+0.0	16.0	29.5	-13.5	Perpe
6	27.364M	26.5	+0.2	+0.3	+6.0	-19.1	+0.0	13.9	29.5	-15.6	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 4:50:41 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 215 Perpendicular
Underground Site 2 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:52:44 PM
Equipment:	**BPL MV Gateway**	Sequence#:	216
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 8. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

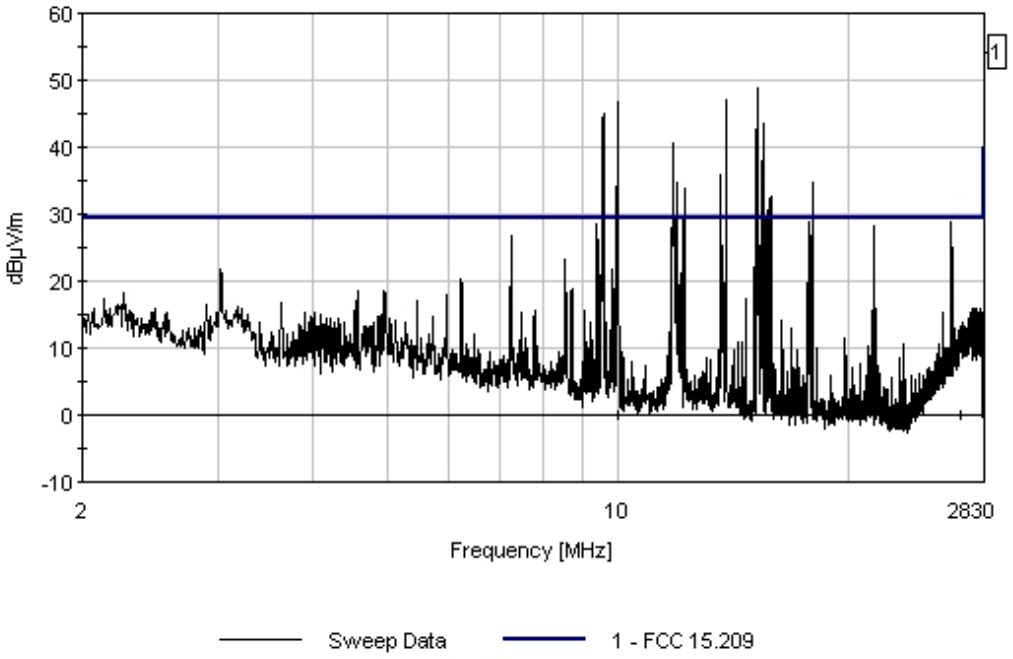
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.220M	26.0	+0.1	+0.1	+9.4	-19.1	+0.0	16.5	29.5	-13.0	Perpe
2	2.897M	26.0	+0.1	+0.1	+9.3	-19.1	+0.0	16.4	29.5	-13.1	Perpe
3	29.702M	29.4	+0.3	+0.3	+5.1	-19.1	+0.0	16.0	29.5	-13.5	Perpe
4	28.932M	29.0	+0.3	+0.3	+5.4	-19.1	+0.0	15.9	29.5	-13.6	Perpe
5	2.492M	25.3	+0.1	+0.1	+9.4	-19.1	+0.0	15.8	29.5	-13.7	Perpe
6	26.560M	27.6	+0.2	+0.3	+6.3	-19.1	+0.0	15.3	29.5	-14.2	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 4:52:44 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 216 Perpendicular
Underground Site 2 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:54:53 PM
Equipment:	**BPL MV Gateway**	Sequence#:	217
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 8. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

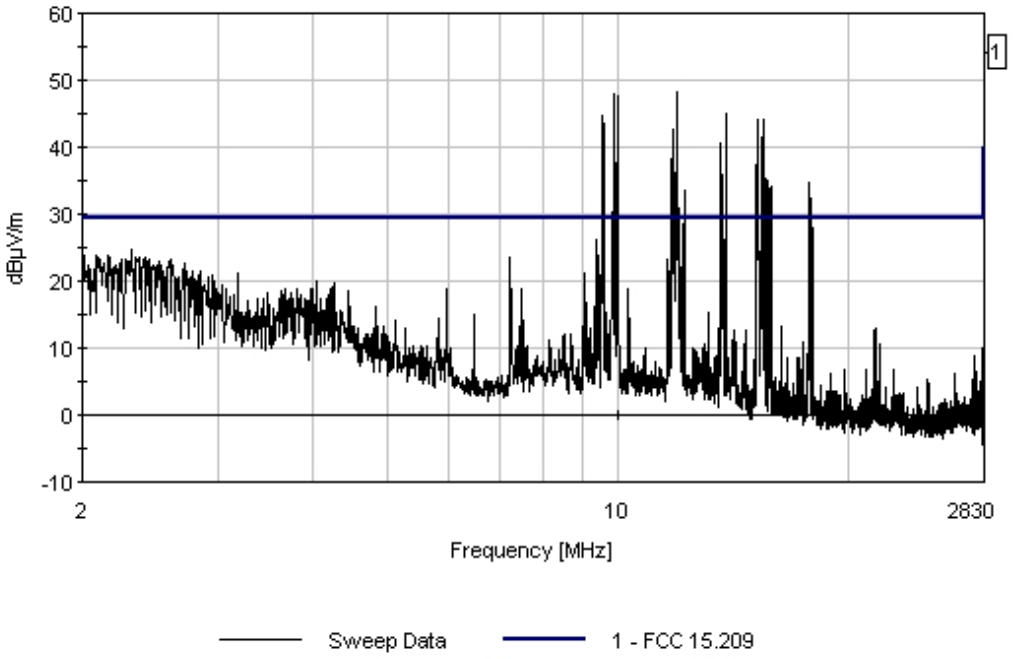
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.316M	29.2	+0.1	+0.1	+9.4	-19.1	+0.0	19.7	29.5	-9.8	Paral
2	2.788M	28.4	+0.1	+0.1	+9.4	-19.1	+0.0	18.9	29.5	-10.6	Paral
3	2.162M	27.2	+0.1	+0.1	+9.4	-19.1	+0.0	17.7	29.5	-11.8	Paral
4	2.412M	27.1	+0.1	+0.1	+9.4	-19.1	+0.0	17.6	29.5	-11.9	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 4:54:53 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 217 Parallel
Underground Site 2 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location:	LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •		
Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	4:58:23 PM
Equipment:	**BPL MV Gateway**	Sequence#:	218
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway	S/N:	6749420821

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 9. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

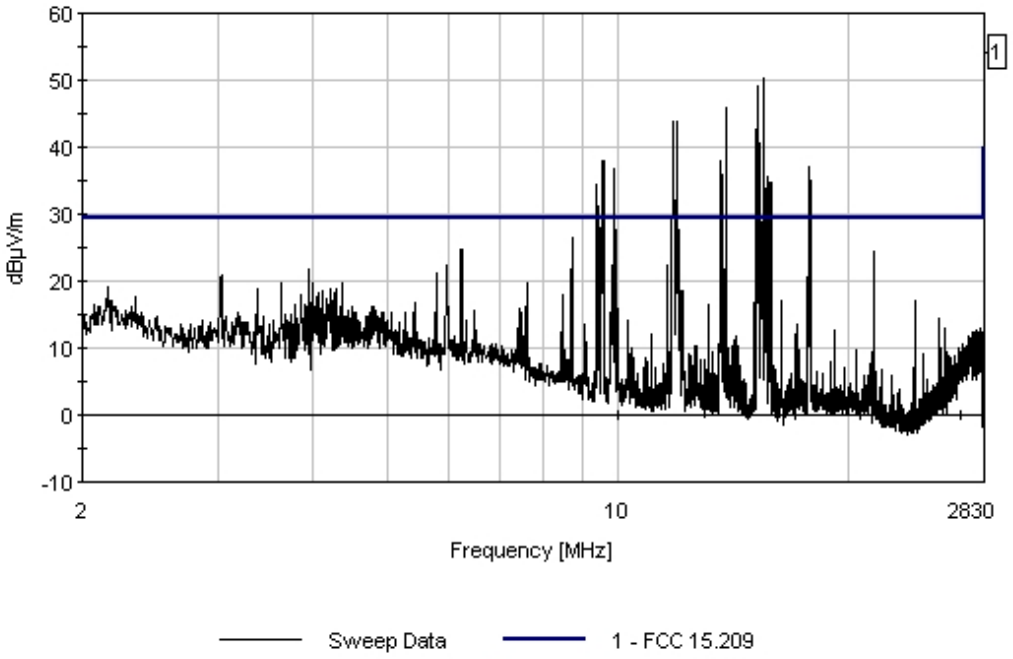
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.124M	26.0	+0.1	+0.2	+9.2	-19.1	+0.0	16.4	29.5	-13.1	Perpe
2	5.284M	25.1	+0.1	+0.1	+9.2	-19.1	+0.0	15.4	29.5	-14.1	Perpe
3	4.953M	25.0	+0.1	+0.1	+9.2	-19.1	+0.0	15.3	29.5	-14.2	Perpe
4	2.500M	24.2	+0.1	+0.1	+9.3	-19.1	+0.0	14.6	29.5	-14.9	Perpe
5	3.808M	23.9	+0.1	+0.2	+9.3	-19.1	+0.0	14.4	29.5	-15.1	Perpe
6	3.551M	23.7	+0.1	+0.2	+9.3	-19.1	+0.0	14.2	29.5	-15.3	Perpe
7	4.528M	23.8	+0.1	+0.1	+9.2	-19.1	+0.0	14.1	29.5	-15.4	Perpe
8	29.259M	23.6	+0.3	+0.3	+5.3	-19.1	+0.0	10.4	29.5	-19.1	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 4:58:23 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 218 Perpendicular
Underground Site 2 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:00:49 PM
Equipment:	**BPL MV Gateway**	Sequence#:	219
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 9. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

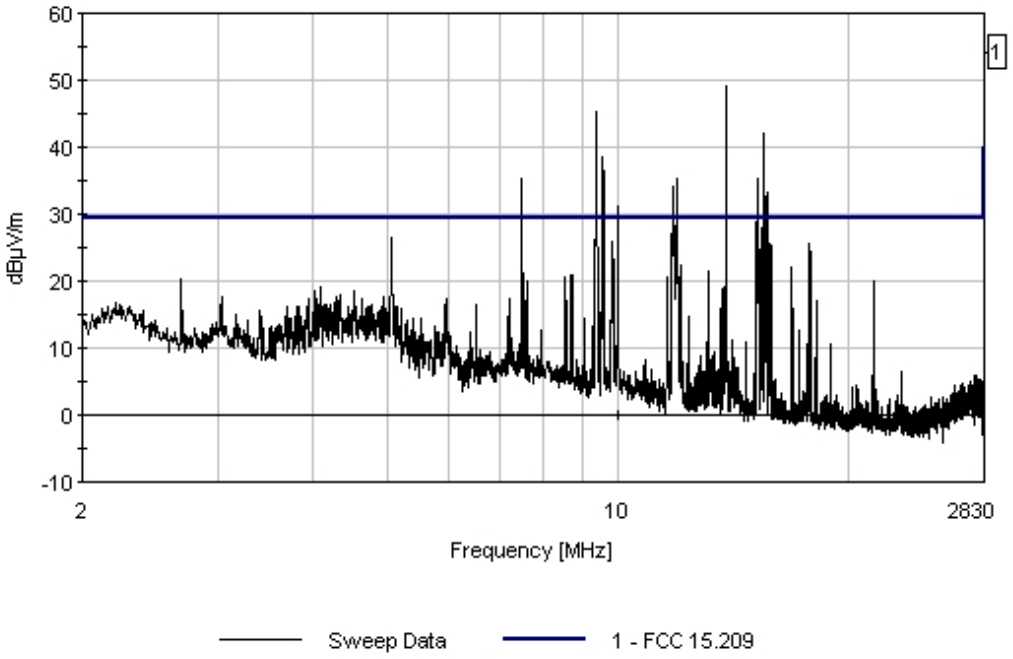
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.691M	30.0	+0.1	+0.1	+9.3	-19.1	+0.0	20.4	29.5	-9.1	Paral
2	2.213M	26.4	+0.1	+0.1	+9.4	-19.1	+0.0	16.9	29.5	-12.6	Paral
3	3.705M	25.8	+0.1	+0.2	+9.3	-19.1	+0.0	16.3	29.5	-13.2	Paral
4	3.404M	25.3	+0.1	+0.1	+9.3	-19.1	+0.0	15.7	29.5	-13.8	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 5:00:49 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 219 Parallel
Underground Site 2 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:02:25 PM
Equipment:	**BPL MV Gateway**	Sequence#:	220
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 10. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

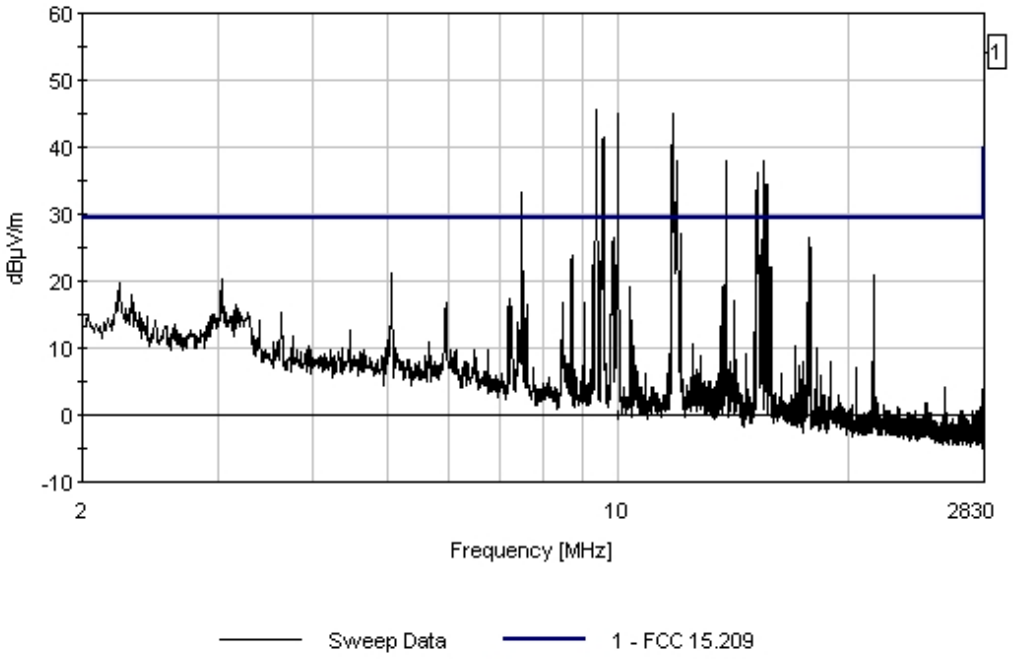
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.323M	27.4	+0.1	+0.1	+9.4	-19.1	+0.0	17.9	29.5	-11.6	Paral
2	2.735M	27.2	+0.1	+0.1	+9.3	-19.1	+0.0	17.6	29.5	-11.9	Paral
3	3.176M	26.2	+0.1	+0.1	+9.3	-19.1	+0.0	16.6	29.5	-12.9	Paral
4	3.404M	23.7	+0.1	+0.1	+9.3	-19.1	+0.0	14.1	29.5	-15.4	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 5:02:25 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 220 Parallel
Underground Site 2 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:04:00 PM
Equipment:	**BPL MV Gateway**	Sequence#:	221
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 10. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

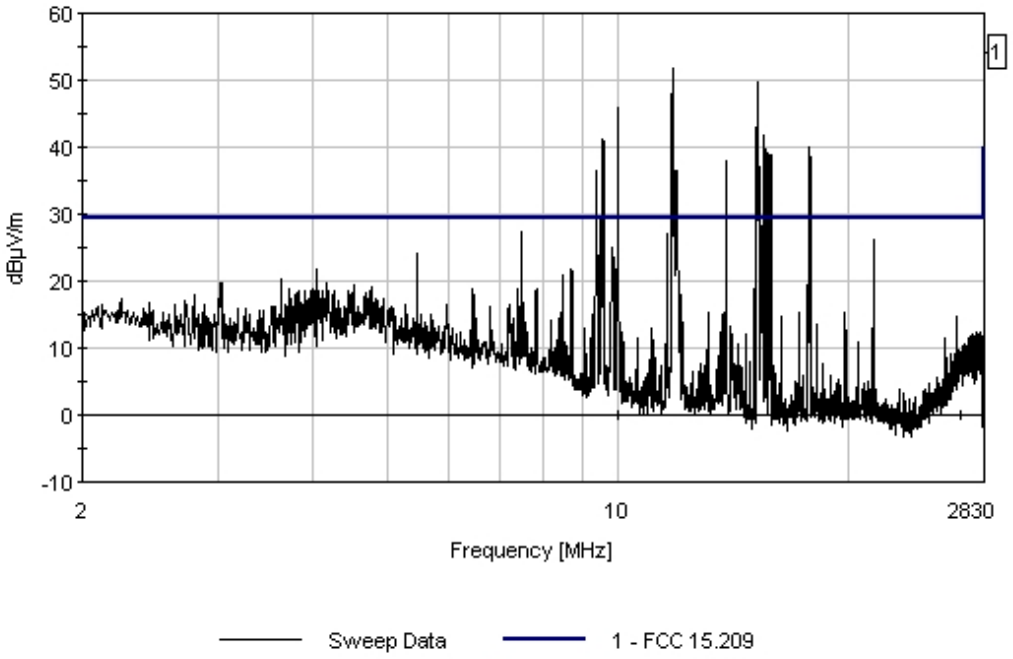
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.779M	27.4	+0.1	+0.2	+9.3	-19.1	+0.0	17.9	29.5	-11.6	Perpe
2	2.794M	27.4	+0.1	+0.1	+9.3	-19.1	+0.0	17.8	29.5	-11.7	Perpe
3	4.830M	27.0	+0.1	+0.1	+9.2	-19.1	+0.0	17.3	29.5	-12.2	Perpe
4	4.315M	26.8	+0.1	+0.2	+9.2	-19.1	+0.0	17.2	29.5	-12.3	Perpe
5	2.441M	26.4	+0.1	+0.1	+9.4	-19.1	+0.0	16.9	29.5	-12.6	Perpe
6	5.053M	25.8	+0.1	+0.1	+9.2	-19.1	+0.0	16.1	29.5	-13.4	Perpe
7	3.264M	25.5	+0.1	+0.1	+9.3	-19.1	+0.0	15.9	29.5	-13.6	Perpe
8	28.945M	25.3	+0.3	+0.3	+5.4	-19.1	+0.0	12.2	29.5	-17.3	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 5:04:00 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 221 Perpendicular
Underground Site 2 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:05:33 PM
Equipment:	**BPL MV Gateway**	Sequence#:	222
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 11. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

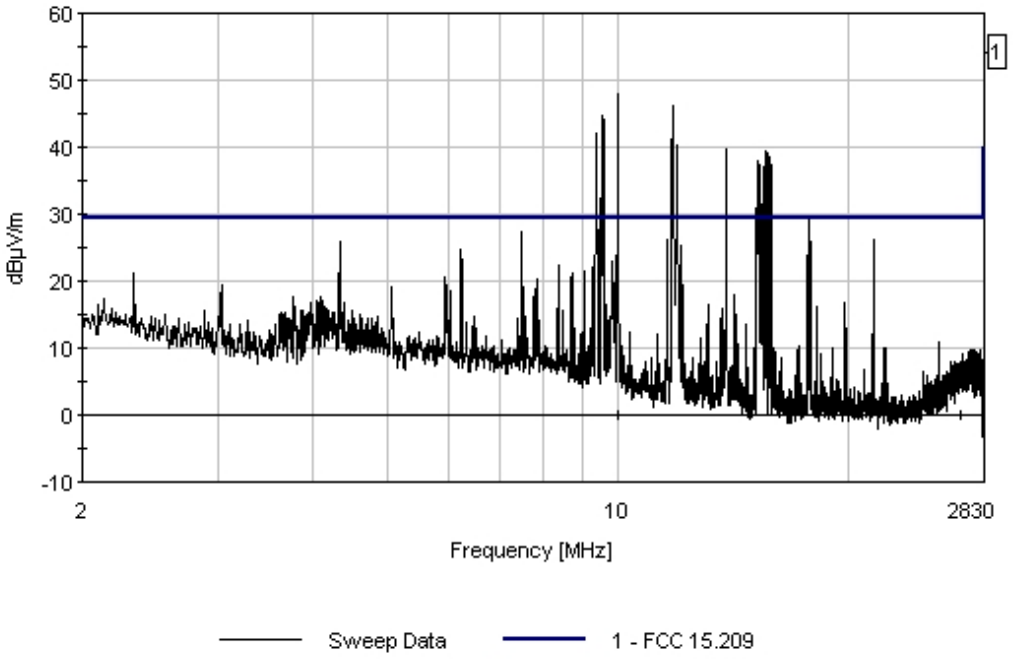
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.566M	24.7	+0.1	+0.1	+9.3	-19.1	+0.0	15.1	29.5	-14.4	Perpe
2	3.661M	24.5	+0.1	+0.2	+9.3	-19.1	+0.0	15.0	29.5	-14.5	Perpe
3	4.293M	23.2	+0.1	+0.2	+9.2	-19.1	+0.0	13.6	29.5	-15.9	Perpe
4	4.837M	23.3	+0.1	+0.1	+9.2	-19.1	+0.0	13.6	29.5	-15.9	Perpe
5	5.495M	22.1	+0.1	+0.1	+9.2	-19.1	+0.0	12.4	29.5	-17.1	Perpe
6	28.505M	22.1	+0.3	+0.3	+5.5	-19.1	+0.0	9.1	29.5	-20.4	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 5:05:33 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 222 Perpendicular
Underground Site 2 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:07:12 PM
Equipment:	**BPL MV Gateway**	Sequence#:	223
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 11. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

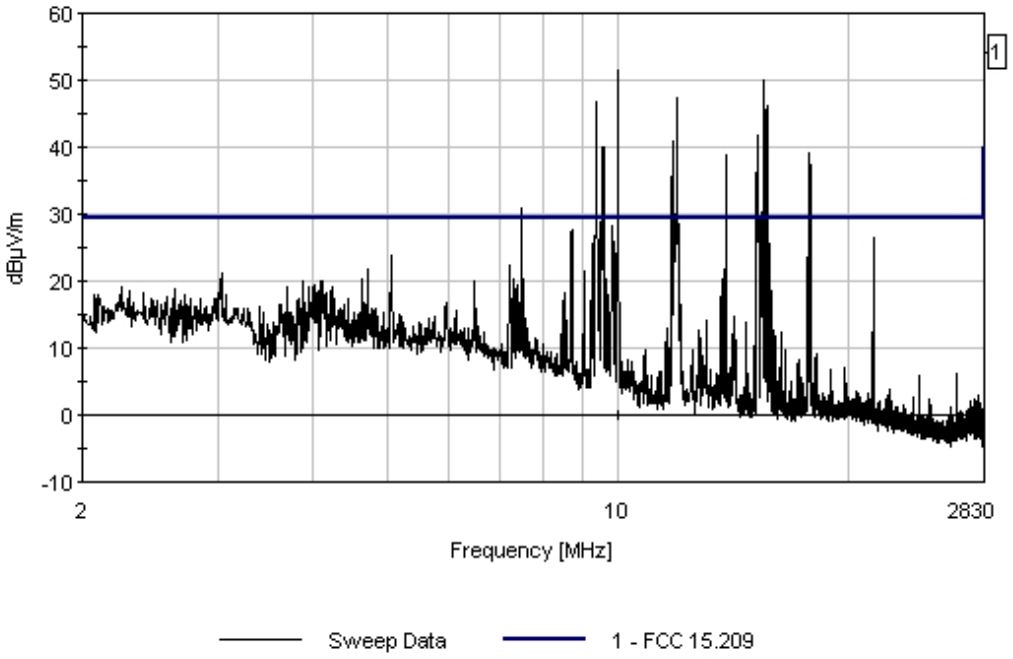
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.250M	28.5	+0.1	+0.1	+9.4	-19.1	+0.0	19.0	29.5	-10.5	Paral
2	3.911M	26.4	+0.1	+0.2	+9.3	-19.1	+0.0	16.9	29.5	-12.6	Paral
3	2.757M	25.9	+0.1	+0.1	+9.3	-19.1	+0.0	16.3	29.5	-13.2	Paral
4	4.205M	24.9	+0.1	+0.2	+9.2	-19.1	+0.0	15.3	29.5	-14.2	Paral
5	3.448M	24.8	+0.1	+0.1	+9.3	-19.1	+0.0	15.2	29.5	-14.3	Paral
6	4.514M	24.9	+0.1	+0.1	+9.2	-19.1	+0.0	15.2	29.5	-14.3	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 5:07:12 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 223 Parallel
Underground Site 2 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:08:48 PM
Equipment:	**BPL MV Gateway**	Sequence#:	224
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 12. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

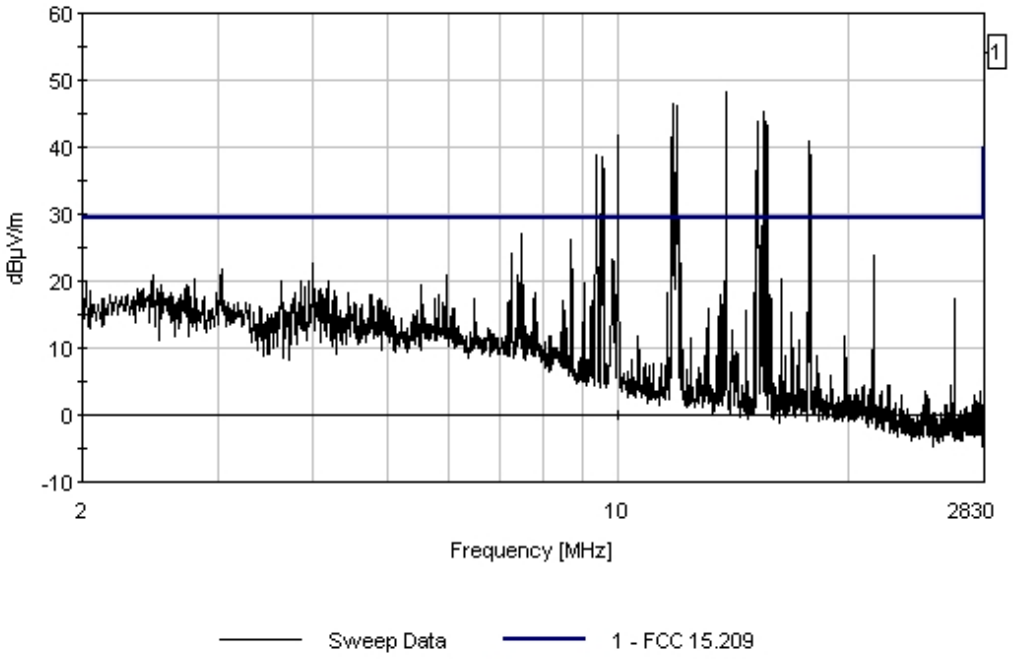
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.036M	28.4	+0.1	+0.1	+9.3	-19.1	+0.0	18.8	29.5	-10.7	Paral
2	2.470M	27.4	+0.1	+0.1	+9.4	-19.1	+0.0	17.9	29.5	-11.6	Paral
3	5.268M	27.6	+0.1	+0.1	+9.2	-19.1	+0.0	17.9	29.5	-11.6	Paral
4	3.992M	26.2	+0.1	+0.2	+9.3	-19.1	+0.0	16.7	29.5	-12.8	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 5:08:48 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 224 Parallel
Underground Site 2 Position 12. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:10:31 PM
Equipment:	**BPL MV Gateway**	Sequence#:	225
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 12. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

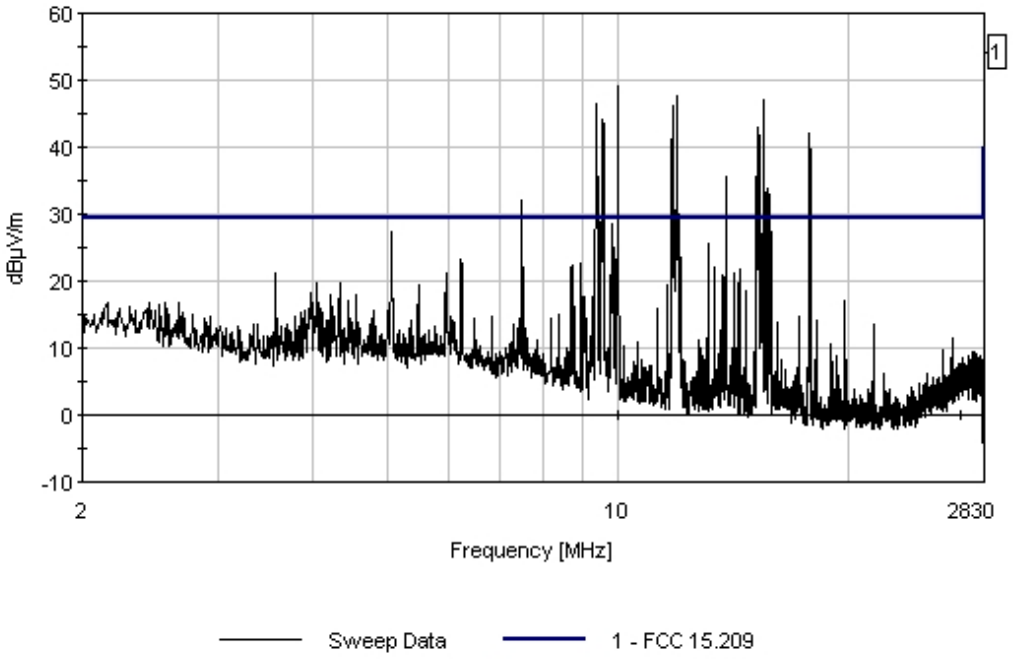
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.309M	25.8	+0.1	+0.1	+9.4	-19.1	+0.0	16.3	29.5	-13.2	Perpe
2	2.595M	24.7	+0.1	+0.1	+9.3	-19.1	+0.0	15.1	29.5	-14.4	Perpe
3	2.933M	24.2	+0.1	+0.1	+9.3	-19.1	+0.0	14.6	29.5	-14.9	Perpe
4	4.205M	24.2	+0.1	+0.2	+9.2	-19.1	+0.0	14.6	29.5	-14.9	Perpe
5	3.823M	22.6	+0.1	+0.2	+9.3	-19.1	+0.0	13.1	29.5	-16.4	Perpe
6	28.795M	21.5	+0.3	+0.3	+5.4	-19.1	+0.0	8.4	29.5	-21.1	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 5:10:31 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 225 Perpendicular
Underground Site 2 Position 12. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:12:59 PM
Equipment:	**BPL MV Gateway**	Sequence#:	226
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 13. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

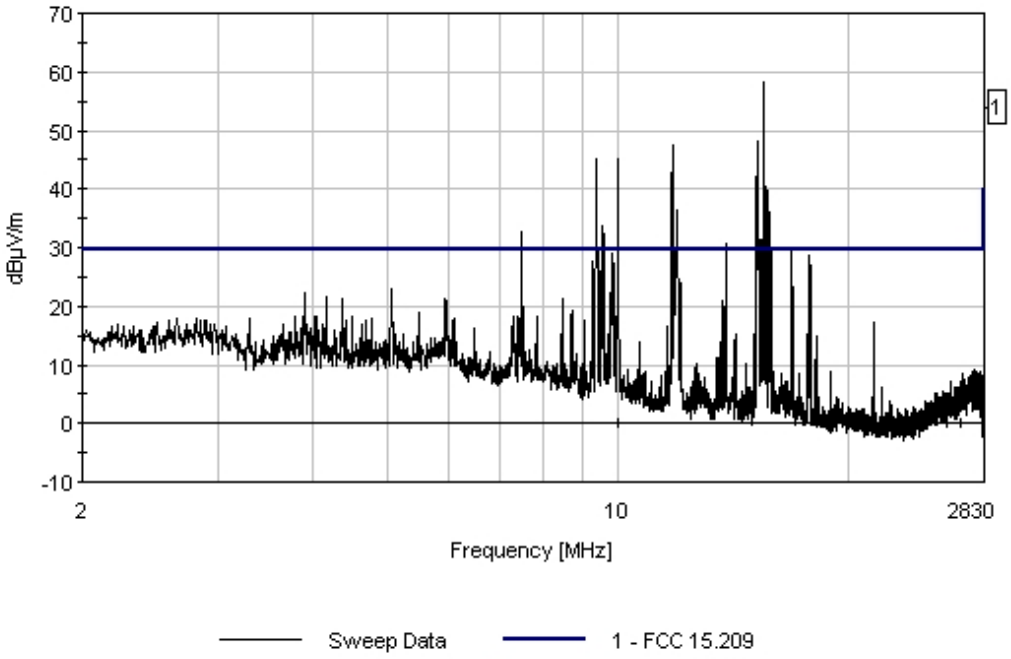
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.654M	27.5	+0.1	+0.1	+9.3	-19.1	+0.0	17.9	29.5	-11.6	Perpe
2	3.948M	25.2	+0.1	+0.2	+9.3	-19.1	+0.0	15.7	29.5	-13.8	Perpe
3	4.602M	24.4	+0.1	+0.1	+9.2	-19.1	+0.0	14.7	29.5	-14.8	Perpe
4	3.455M	23.7	+0.1	+0.1	+9.3	-19.1	+0.0	14.1	29.5	-15.4	Perpe
5	5.013M	23.2	+0.1	+0.1	+9.2	-19.1	+0.0	13.5	29.5	-16.0	Perpe
6	28.505M	20.4	+0.3	+0.3	+5.5	-19.1	+0.0	7.4	29.5	-22.1	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 5:12:59 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 226 Perpendicular
Underground Site 2 Position 13. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	5:14:39 PM
Equipment:	**BPL MV Gateway**	Sequence#:	227
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 13. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

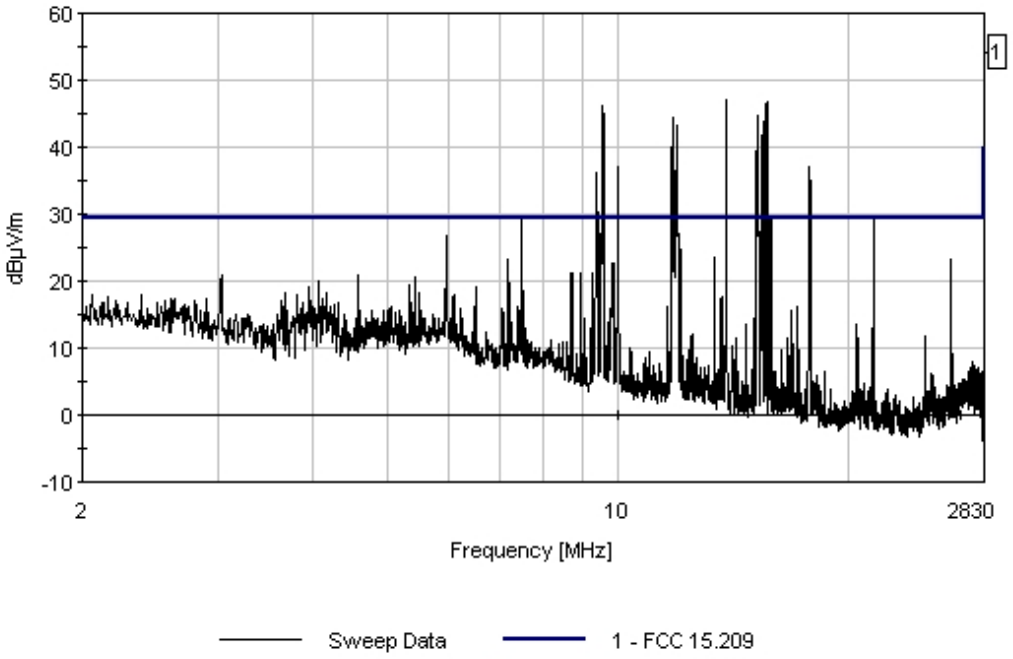
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.162M	27.1	+0.1	+0.1	+9.4	-19.1	+0.0	17.6	29.5	-11.9	Paral
2	2.617M	26.9	+0.1	+0.1	+9.3	-19.1	+0.0	17.3	29.5	-12.2	Paral
3	2.808M	26.6	+0.1	+0.1	+9.3	-19.1	+0.0	17.0	29.5	-12.5	Paral
4	2.507M	26.3	+0.1	+0.1	+9.3	-19.1	+0.0	16.7	29.5	-12.8	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 5:14:39 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 227 Parallel
Underground Site 2 Position 13. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location:	LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •		
Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:54:10 PM
Equipment:	**BPL MV Gateway**	Sequence#:	186
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 14. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

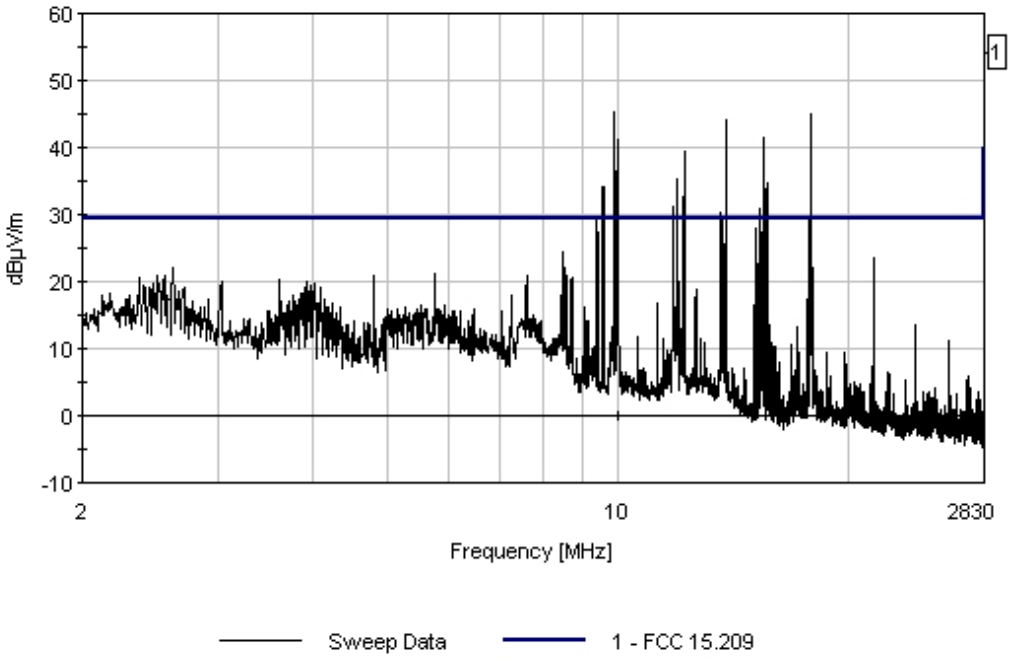
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.559M	30.5	+0.1	+0.1	+9.3	-19.1	+0.0	20.9	29.5	-8.6	Paral
2	2.367M	30.1	+0.1	+0.1	+9.4	-19.1	+0.0	20.6	29.5	-8.9	Paral
3	3.617M	29.7	+0.1	+0.2	+9.3	-19.1	+0.0	20.2	29.5	-9.3	Paral
4	3.926M	29.4	+0.1	+0.2	+9.3	-19.1	+0.0	19.9	29.5	-9.6	Paral
5	4.014M	29.3	+0.1	+0.2	+9.3	-19.1	+0.0	19.8	29.5	-9.7	Paral
6	2.676M	28.2	+0.1	+0.1	+9.3	-19.1	+0.0	18.6	29.5	-10.9	Paral
7	4.242M	26.4	+0.1	+0.2	+9.2	-19.1	+0.0	16.8	29.5	-12.7	Paral
8	3.507M	25.1	+0.1	+0.2	+9.3	-19.1	+0.0	15.6	29.5	-13.9	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 2:54:10 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 186 Parallel
Underground Site 2 Position 14. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:56:58 PM
Equipment:	**BPL MV Gateway**	Sequence#:	187
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 14. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

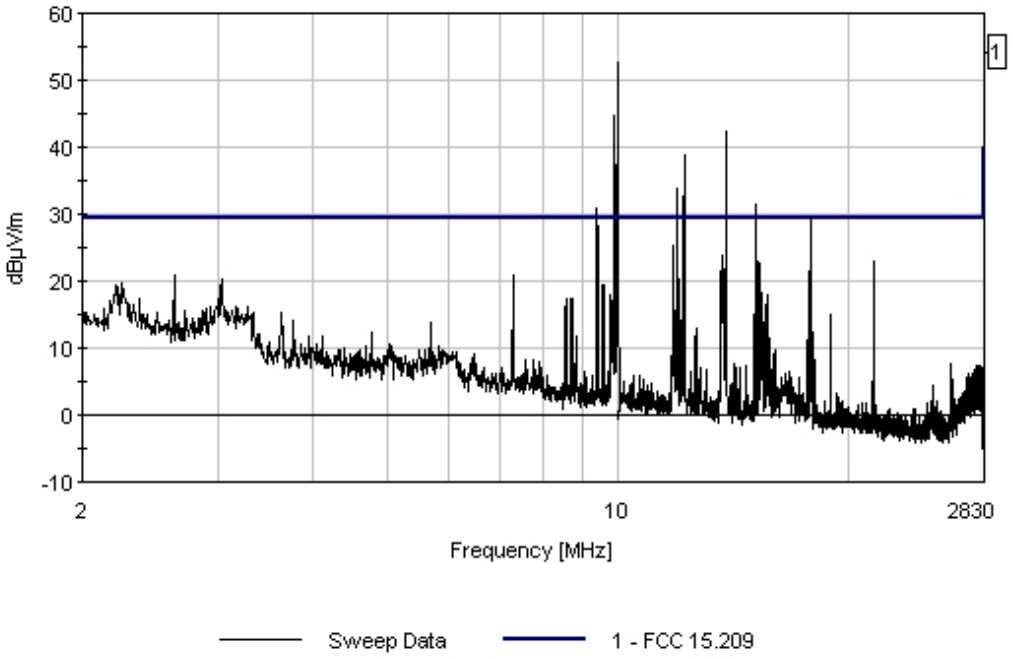
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.639M	30.4	+0.1	+0.1	+9.3	-19.1	+0.0	20.8	29.5	-8.7	Perpe
2	3.036M	30.0	+0.1	+0.1	+9.3	-19.1	+0.0	20.4	29.5	-9.1	Perpe
3	2.257M	29.2	+0.1	+0.1	+9.4	-19.1	+0.0	19.7	29.5	-9.8	Perpe
4	3.213M	28.8	+0.1	+0.1	+9.3	-19.1	+0.0	19.2	29.5	-10.3	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 2:56:58 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 187 Perpendicular
Underground Site 2 Position 14. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:49:11 PM
Equipment:	**BPL MV Gateway**	Sequence#:	184
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 15. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

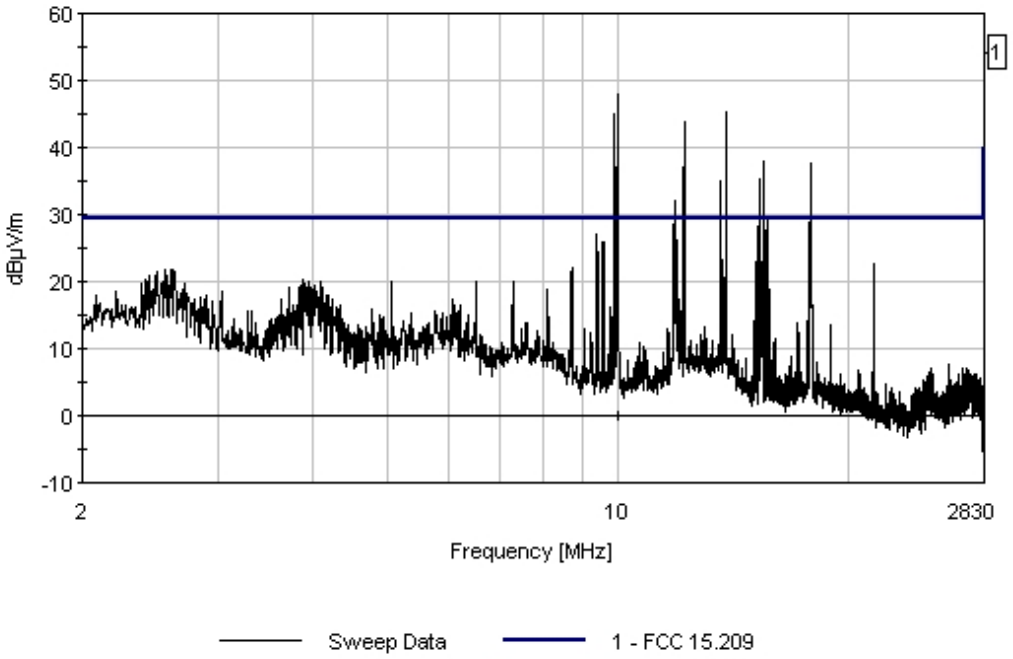
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.500M	31.1	+0.1	+0.1	+9.3	-19.1	+0.0	21.5	29.5	-8.0	Paral
2	2.581M	30.6	+0.1	+0.1	+9.3	-19.1	+0.0	21.0	29.5	-8.5	Paral
3	4.087M	29.6	+0.1	+0.2	+9.2	-19.1	+0.0	20.0	29.5	-9.5	Paral
4	2.390M	29.1	+0.1	+0.1	+9.4	-19.1	+0.0	19.6	29.5	-9.9	Paral
5	3.867M	29.0	+0.1	+0.2	+9.3	-19.1	+0.0	19.5	29.5	-10.0	Paral
6	3.727M	28.5	+0.1	+0.2	+9.3	-19.1	+0.0	19.0	29.5	-10.5	Paral
7	3.624M	27.0	+0.1	+0.2	+9.3	-19.1	+0.0	17.5	29.5	-12.0	Paral
8	4.227M	26.9	+0.1	+0.2	+9.2	-19.1	+0.0	17.3	29.5	-12.2	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 2:49:11 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 184 Parallel
Underground Site 2 Position 15. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:51:38 PM
Equipment:	**BPL MV Gateway**	Sequence#:	185
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 15. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

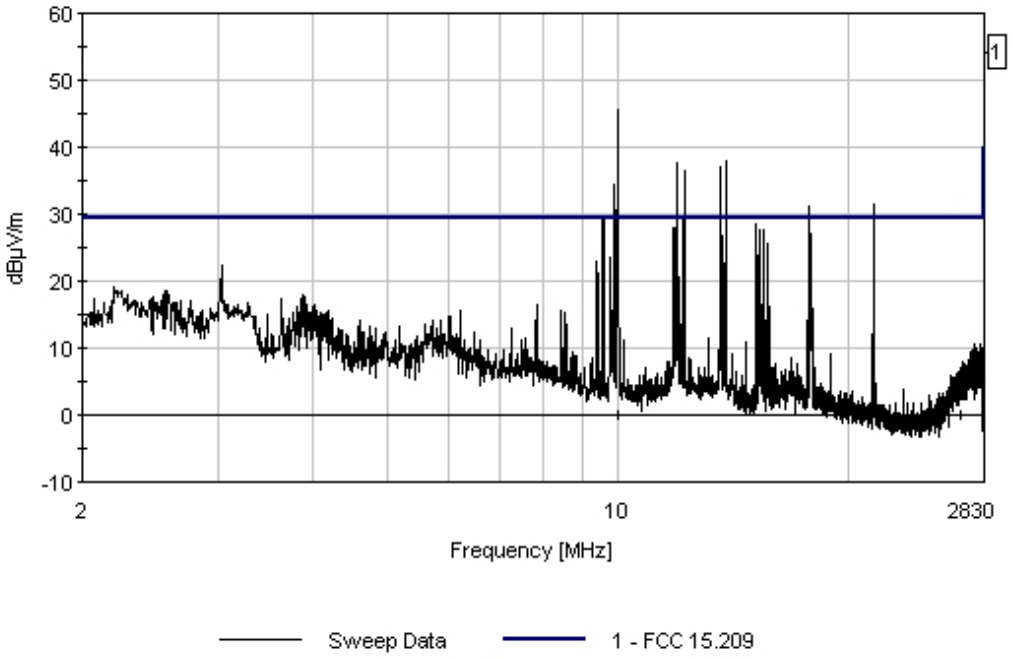
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.198M	28.5	+0.1	+0.1	+9.4	-19.1	+0.0	19.0	29.5	-10.5	Perpe
2	2.559M	28.2	+0.1	+0.1	+9.3	-19.1	+0.0	18.6	29.5	-10.9	Perpe
3	3.874M	27.4	+0.1	+0.2	+9.3	-19.1	+0.0	17.9	29.5	-11.6	Perpe
4	3.639M	26.8	+0.1	+0.2	+9.3	-19.1	+0.0	17.3	29.5	-12.2	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 2:51:38 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 185 Perpendicular
Underground Site 2 Position 15. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:42:03 PM
Equipment:	**BPL MV Gateway**	Sequence#:	182
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 16. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

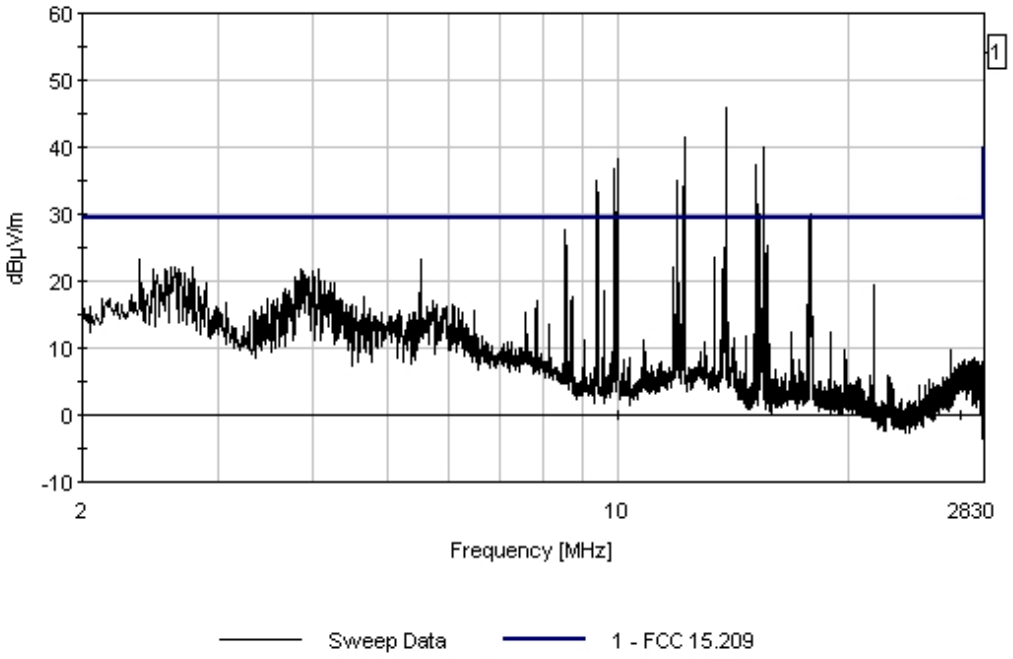
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.375M	32.6	+0.1	+0.1	+9.4	-19.1	+0.0	23.1	29.5	-6.4	Paral
2	2.603M	31.8	+0.1	+0.1	+9.3	-19.1	+0.0	22.2	29.5	-7.3	Paral
3	2.786M	31.6	+0.1	+0.1	+9.3	-19.1	+0.0	22.0	29.5	-7.5	Paral
4	4.065M	31.4	+0.1	+0.2	+9.2	-19.1	+0.0	21.8	29.5	-7.7	Paral
5	3.845M	31.2	+0.1	+0.2	+9.3	-19.1	+0.0	21.7	29.5	-7.8	Paral

Underground Test Site #2 Date: 4/26/2006 Time: 2:42:03 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 182 Parallel
Underground Site 2 Position 16. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #2 •Grayson Lakes Section 9, Transformer #6 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	2:45:13 PM
Equipment:	**BPL MV Gateway**	Sequence#:	183
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #2: At Grayson Lakes Section 9, Transformer #6 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 16. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

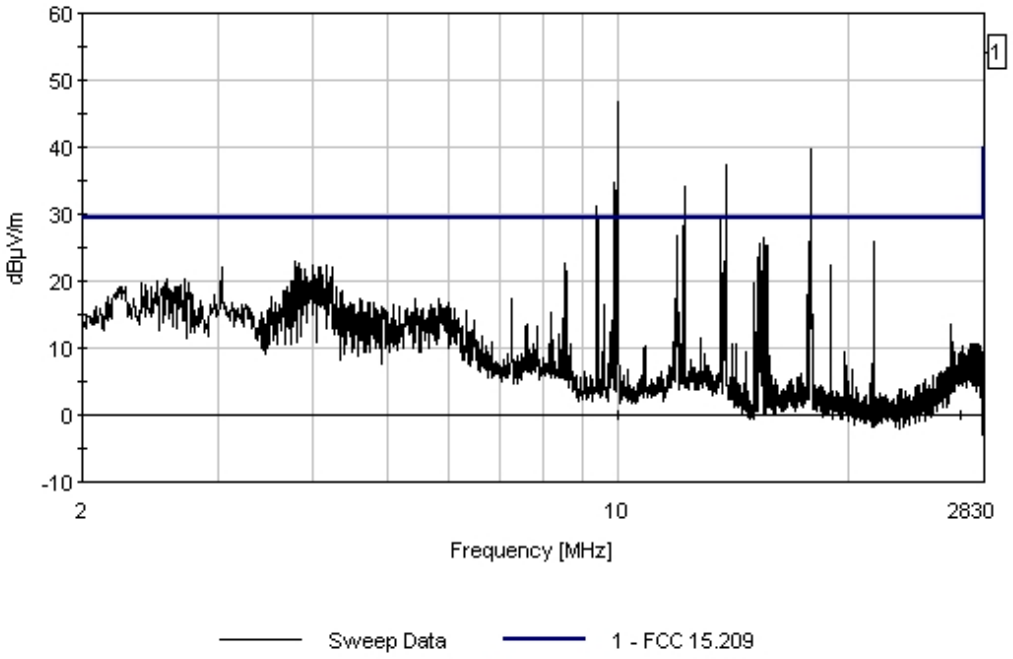
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.036M	31.6	+0.1	+0.1	+9.3	-19.1	+0.0	22.0	29.5	-7.5	Perpe
2	2.720M	30.0	+0.1	+0.1	+9.3	-19.1	+0.0	20.4	29.5	-9.1	Perpe
3	2.581M	29.8	+0.1	+0.1	+9.3	-19.1	+0.0	20.2	29.5	-9.3	Perpe
4	2.507M	29.7	+0.1	+0.1	+9.3	-19.1	+0.0	20.1	29.5	-9.4	Perpe
5	2.390M	29.1	+0.1	+0.1	+9.4	-19.1	+0.0	19.6	29.5	-9.9	Perpe
6	3.485M	25.2	+0.1	+0.2	+9.3	-19.1	+0.0	15.7	29.5	-13.8	Perpe

Underground Test Site #2 Date: 4/26/2006 Time: 2:45:13 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 183 Perpendicular
Underground Site 2 Position 16. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:13:34
Equipment:	**BPL MV Gateway**	Sequence#:	153
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 1. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

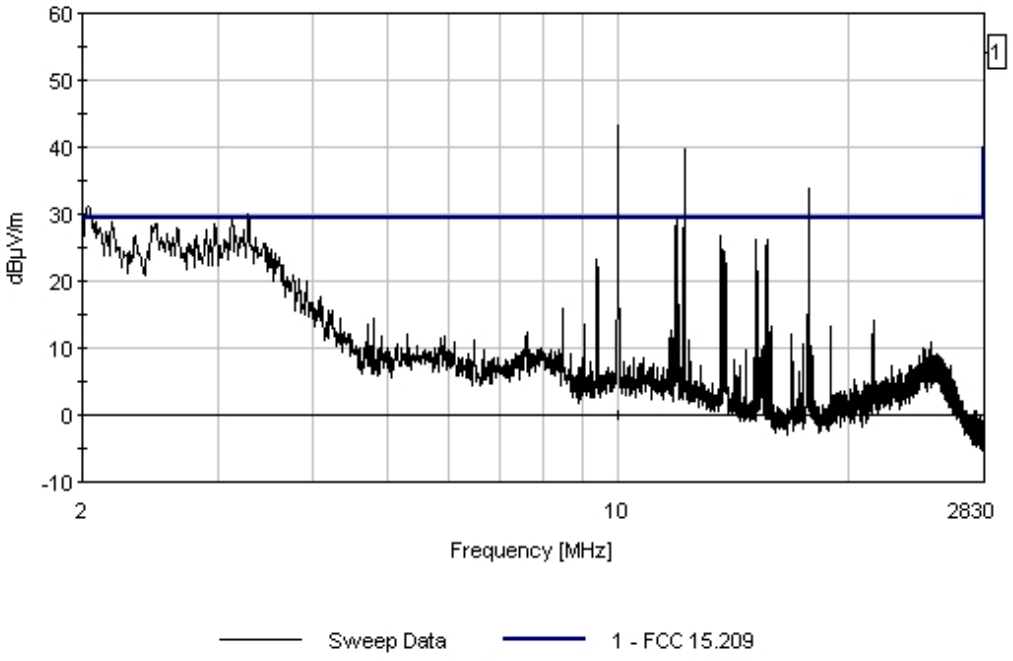
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	2.043M	38.0	+0.1	+0.1	+9.4	-19.1	+0.0	28.5	29.5	-1.0	Perpe
^	2.043M	40.7	+0.1	+0.1	+9.4	-19.1	+0.0	31.2	29.5	+1.7	Perpe
3 QP	3.278M	37.4	+0.1	+0.1	+9.3	-19.1	+0.0	27.8	29.5	-1.7	Perpe
^	3.278M	40.1	+0.1	+0.1	+9.3	-19.1	+0.0	30.4	29.5	+0.9	Perpe
5 QP	3.129M	36.8	+0.1	+0.1	+9.3	-19.1	+0.0	27.1	29.5	-2.4	Perpe
^	3.129M	39.0	+0.1	+0.1	+9.3	-19.1	+0.0	29.4	29.5	-0.1	Perpe

7 QP	2.500M	36.2	+0.1	+0.1	+9.3	-19.1	+0.0	26.6	29.5	-2.9	Perpe
^	2.500M	39.0	+0.1	+0.1	+9.3	-19.1	+0.0	29.4	29.5	-0.1	Perpe
9 QP	3.444M	35.3	+0.1	+0.1	+9.3	-19.1	+0.0	25.7	29.5	-3.8	Perpe
^	3.444M	37.6	+0.1	+0.1	+9.3	-19.1	+0.0	28.0	29.5	-1.5	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 11:13:34 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 153 Perpendicular
Underground Site 3 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:06:30
Equipment:	**BPL MV Gateway**	Sequence#:	152
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 1. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

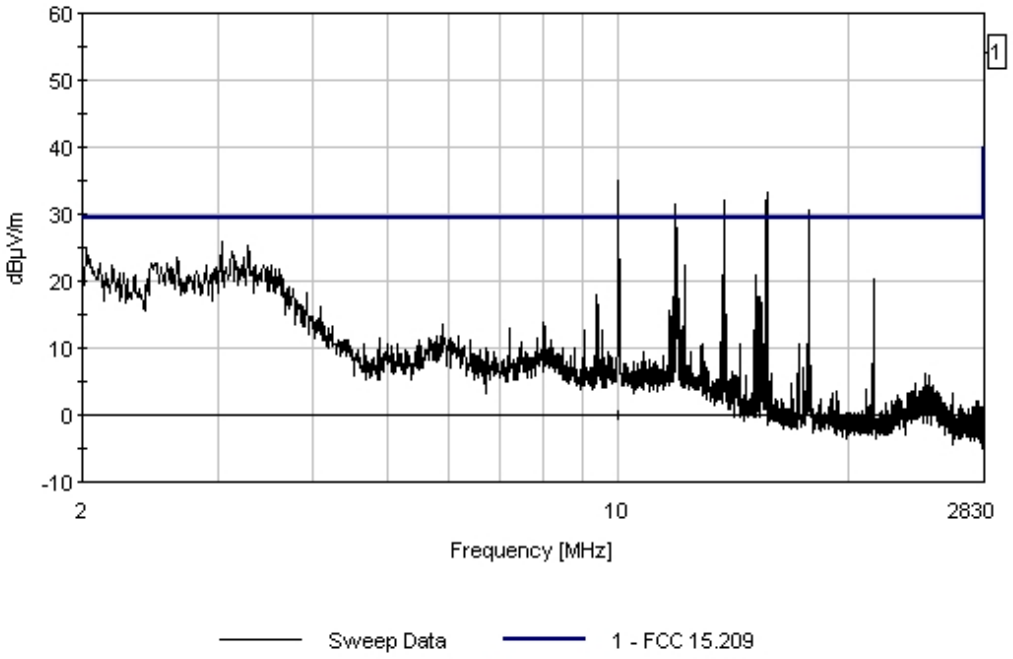
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.135M	33.8	+0.1	+0.1	+9.3	-19.1	+0.0	24.2	29.5	-5.3	Paral
2	2.970M	32.4	+0.1	+0.1	+9.3	-19.1	+0.0	22.8	29.5	-6.7	Paral
3	2.480M	31.6	+0.1	+0.1	+9.4	-19.1	+0.0	22.1	29.5	-7.4	Paral
4	3.455M	31.6	+0.1	+0.1	+9.3	-19.1	+0.0	22.0	29.5	-7.5	Paral
5	2.575M	31.5	+0.1	+0.1	+9.3	-19.1	+0.0	21.9	29.5	-7.6	Paral
6	3.525M	30.3	+0.1	+0.2	+9.3	-19.1	+0.0	20.8	29.5	-8.7	Paral
7	2.225M	29.9	+0.1	+0.1	+9.4	-19.1	+0.0	20.4	29.5	-9.1	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 11:06:30 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 152 Parallel
Underground Site 3 Position 1. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	10:57:37
Equipment:	**BPL MV Gateway**	Sequence#:	148
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 2. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

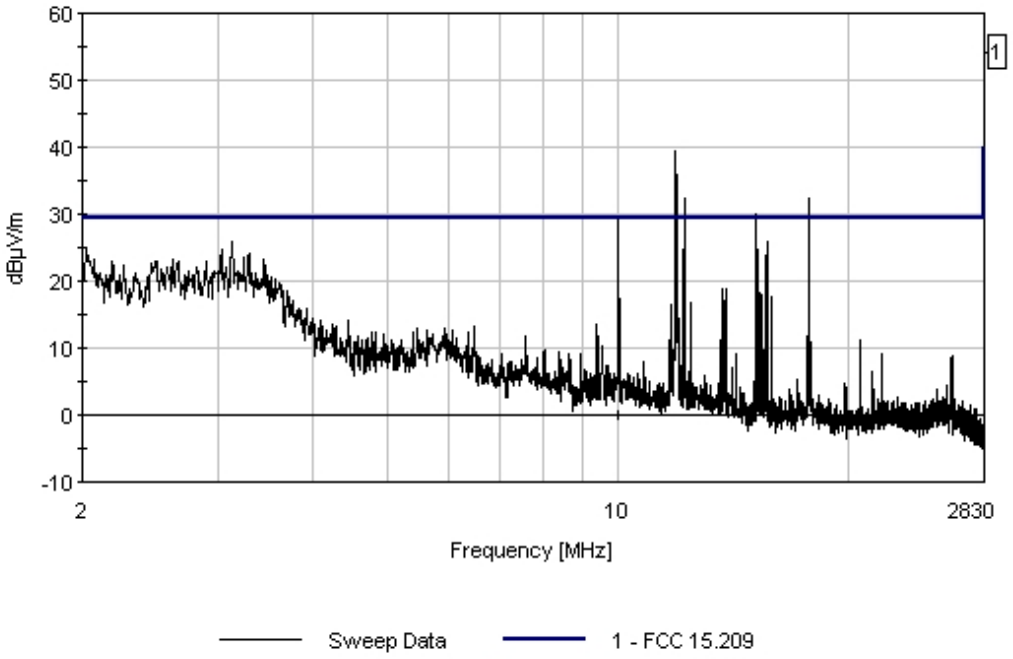
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.455M	32.7	+0.1	+0.1	+9.3	-19.1	+0.0	23.1	29.5	-6.4	Paral
2	2.492M	32.5	+0.1	+0.1	+9.4	-19.1	+0.0	23.0	29.5	-6.5	Paral
3	2.191M	32.4	+0.1	+0.1	+9.4	-19.1	+0.0	22.9	29.5	-6.6	Paral
4	3.073M	31.6	+0.1	+0.1	+9.3	-19.1	+0.0	22.0	29.5	-7.5	Paral
5	2.664M	31.6	+0.1	+0.1	+9.3	-19.1	+0.0	21.9	29.5	-7.6	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 10:57:37 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 148 Parallel
Underground Site 3 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	10:57:52 AM
Equipment:	**BPL MV Gateway**	Sequence#:	149
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 2. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

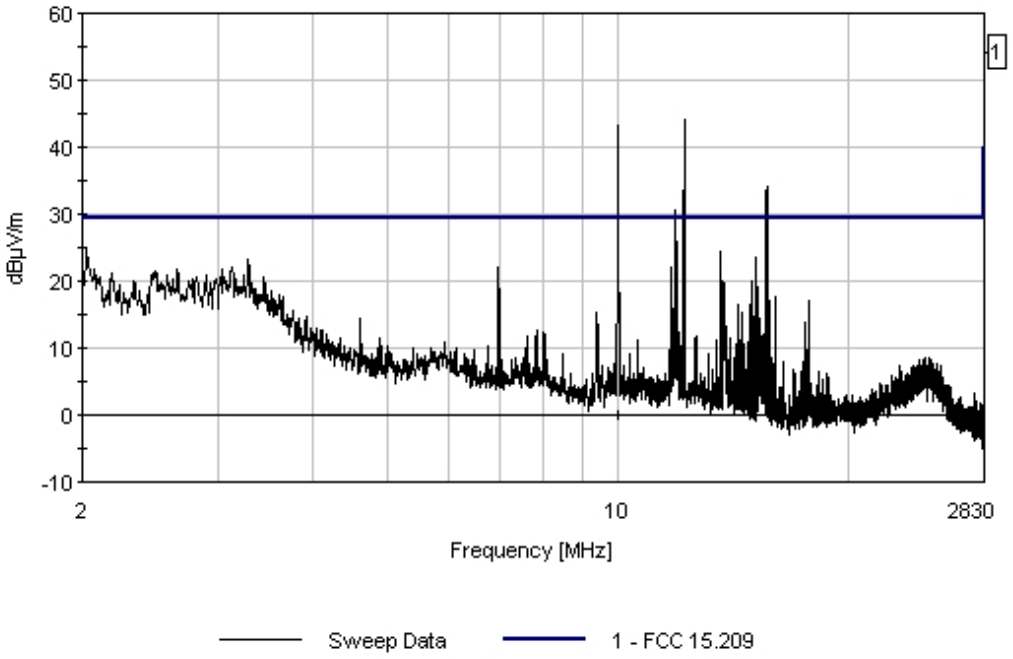
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.661M	31.4	+0.1	+0.1	+9.3	-19.1	+0.0	21.8	29.5	-7.7	Perpe
2	2.897M	30.6	+0.1	+0.1	+9.3	-19.1	+0.0	21.0	29.5	-8.5	Perpe
3	3.448M	30.3	+0.1	+0.1	+9.3	-19.1	+0.0	20.7	29.5	-8.8	Perpe
4	2.338M	29.4	+0.1	+0.1	+9.4	-19.1	+0.0	19.9	29.5	-9.6	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 10:57:52 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 149 Perpendicular
Underground Site 3 Position 2. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	10:59:53 AM
Equipment:	**BPL MV Gateway**	Sequence#:	150
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 3. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

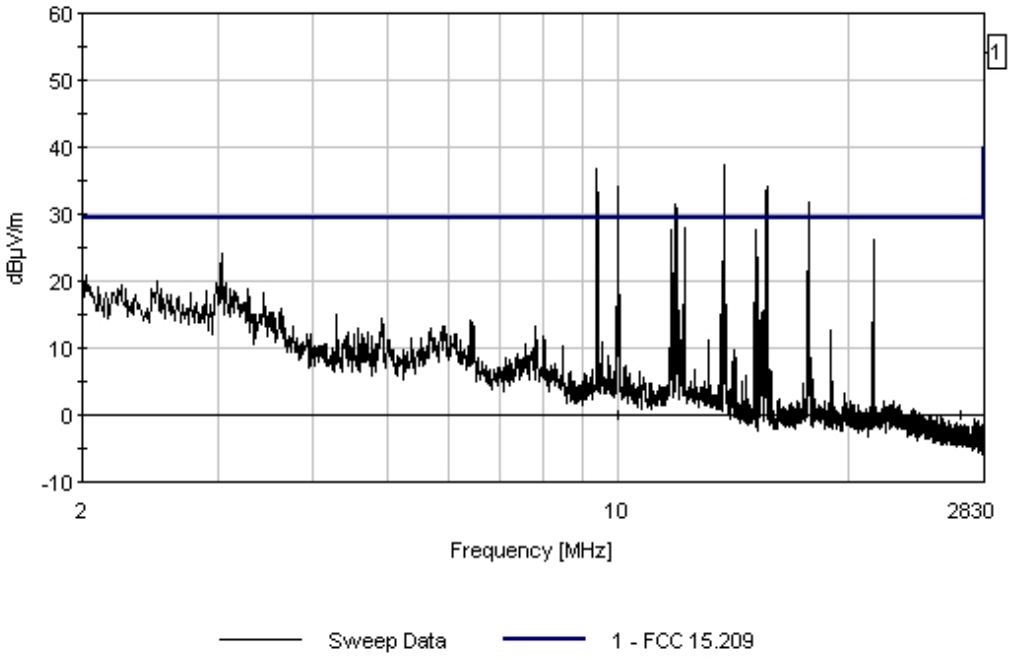
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.103M	28.5	+0.1	+0.1	+9.4	-19.1	+0.0	19.0	29.5	-10.5	Paral
2	2.537M	28.3	+0.1	+0.1	+9.3	-19.1	+0.0	18.7	29.5	-10.8	Paral
3	3.294M	28.3	+0.1	+0.1	+9.3	-19.1	+0.0	18.7	29.5	-10.8	Paral
4	2.764M	27.7	+0.1	+0.1	+9.3	-19.1	+0.0	18.1	29.5	-11.4	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 10:59:53 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 150 Parallel
Underground Site 3 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:01:25 AM
Equipment:	**BPL MV Gateway**	Sequence#:	151
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 3. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

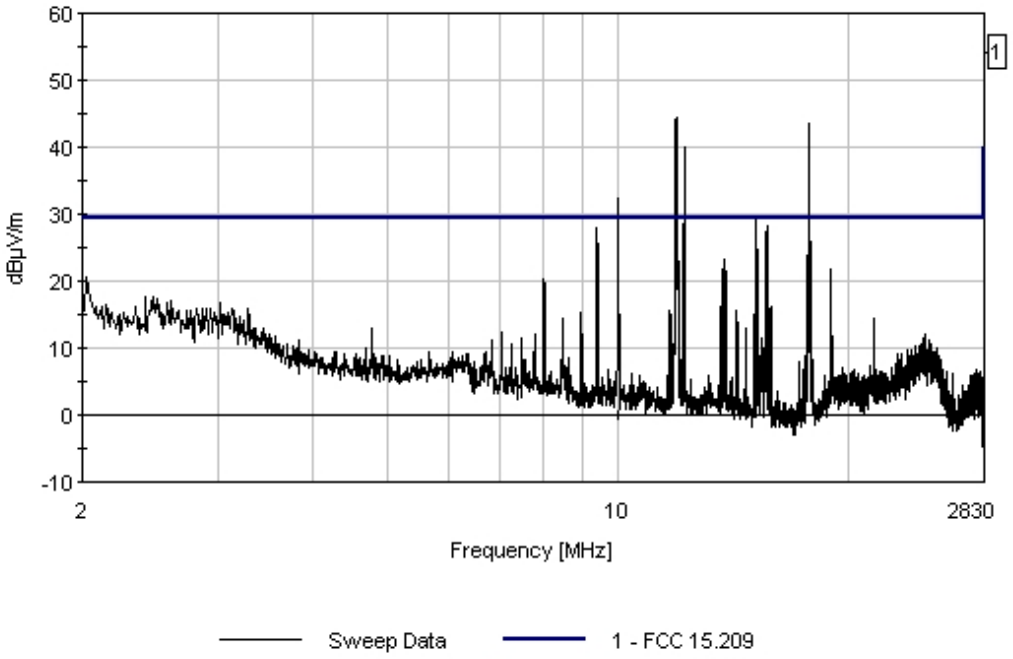
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.029M	30.2	+0.1	+0.1	+9.4	-19.1	+0.0	20.7	29.5	-8.8	Perpe
2	2.470M	27.1	+0.1	+0.1	+9.4	-19.1	+0.0	17.6	29.5	-11.9	Perpe
3	3.022M	26.4	+0.1	+0.1	+9.3	-19.1	+0.0	16.8	29.5	-12.7	Perpe
4	2.867M	25.6	+0.1	+0.1	+9.3	-19.1	+0.0	16.0	29.5	-13.5	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 11:01:25 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 151 Perpendicular
Underground Site 3 Position 3. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:37:56 PM
Equipment:	**BPL MV Gateway**	Sequence#:	178
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 4. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

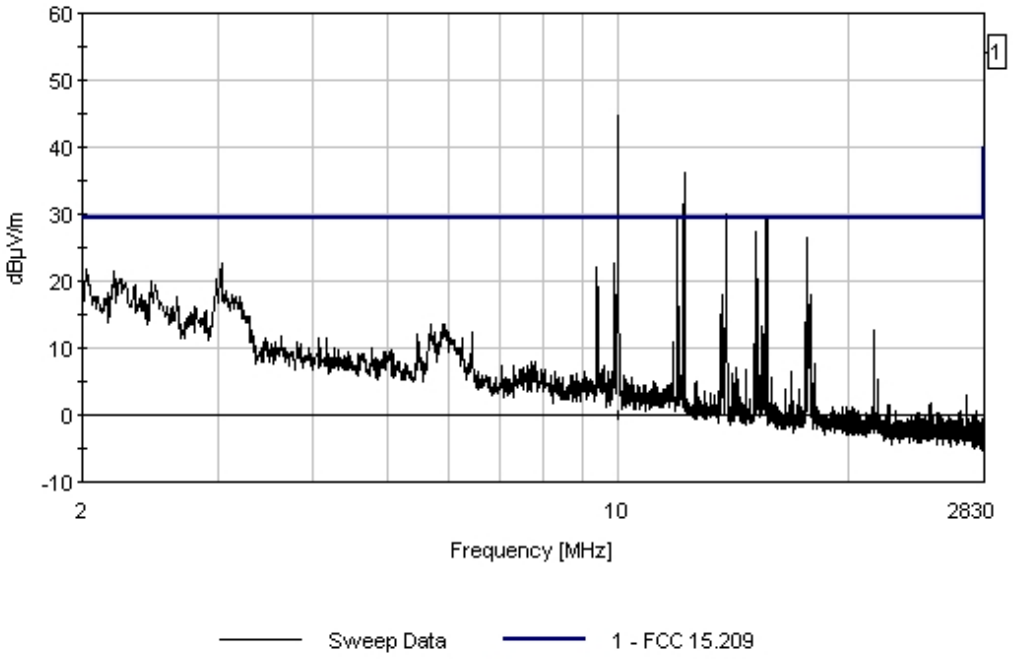
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.213M	29.9	+0.1	+0.1	+9.4	-19.1	+0.0	20.4	29.5	-9.1	Paral
2	2.456M	29.5	+0.1	+0.1	+9.4	-19.1	+0.0	20.0	29.5	-9.5	Paral
3	3.236M	28.3	+0.1	+0.1	+9.3	-19.1	+0.0	18.7	29.5	-10.8	Paral
4	2.661M	27.2	+0.1	+0.1	+9.3	-19.1	+0.0	17.6	29.5	-11.9	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:37:56 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 178 Parallel
Underground Site 3 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:39:24 PM
Equipment:	**BPL MV Gateway**	Sequence#:	179
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 4. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

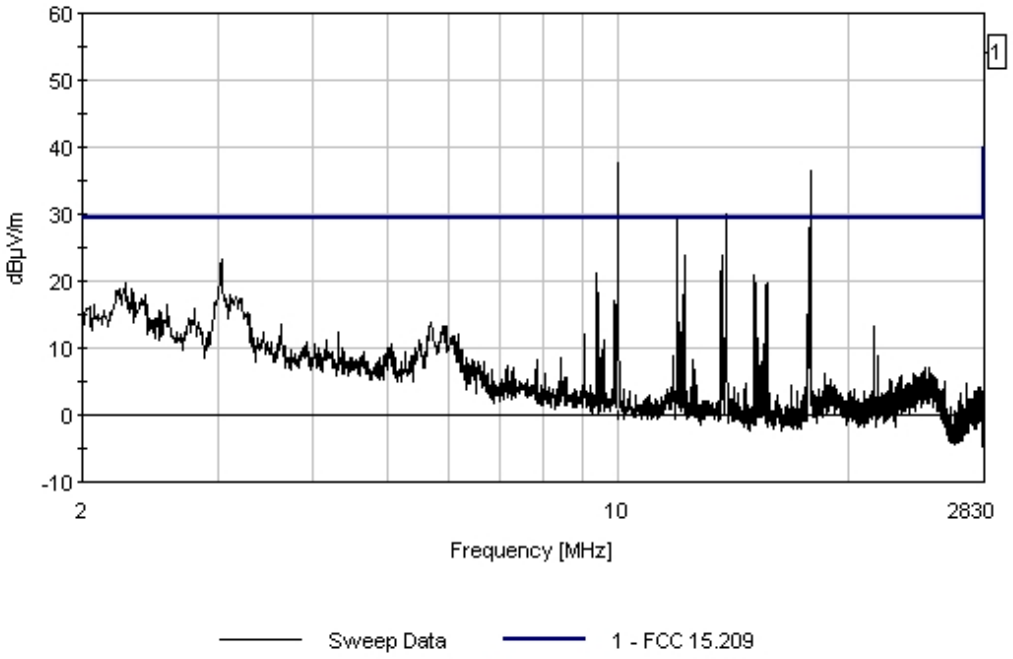
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.272M	28.3	+0.1	+0.1	+9.4	-19.1	+0.0	18.8	29.5	-10.7	Perpe
2	3.124M	27.4	+0.1	+0.1	+9.3	-19.1	+0.0	17.8	29.5	-11.7	Perpe
3	2.434M	25.9	+0.1	+0.1	+9.4	-19.1	+0.0	16.4	29.5	-13.1	Perpe
4	2.801M	25.5	+0.1	+0.1	+9.3	-19.1	+0.0	15.9	29.5	-13.6	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:39:24 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 179 Perpendicular
Underground Site 3 Position 4. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:31:47 PM
Equipment:	**BPL MV Gateway**	Sequence#:	176
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 5. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

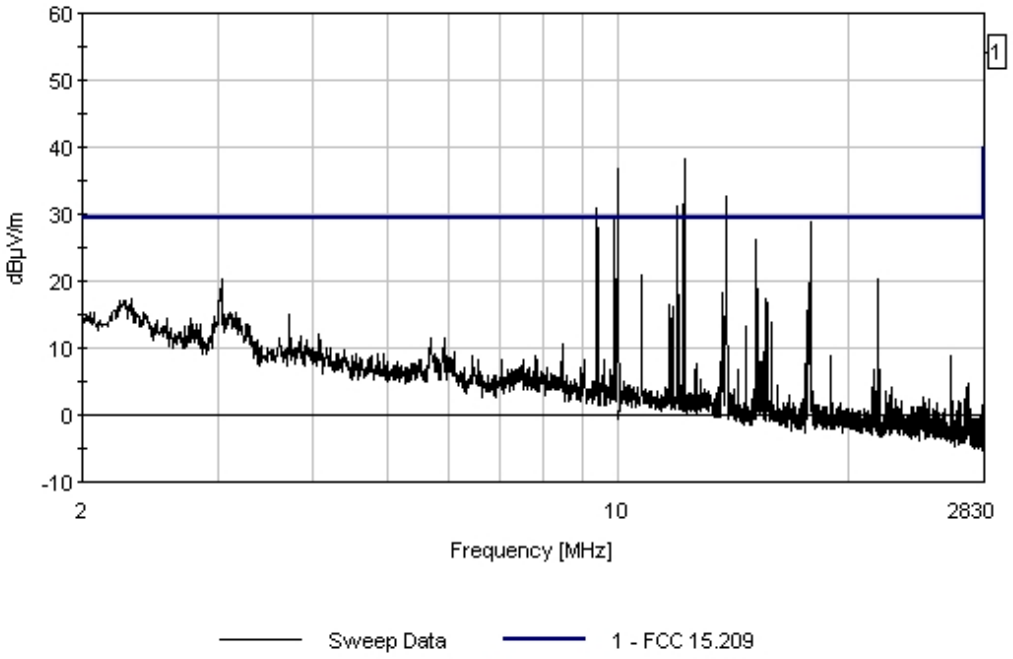
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.573M	24.1	+0.1	+0.1	+9.3	-19.1	+0.0	14.5	29.5	-15.0	Paral
2	3.845M	21.2	+0.1	+0.2	+9.3	-19.1	+0.0	11.7	29.5	-17.8	Paral
3	3.602M	20.9	+0.1	+0.2	+9.3	-19.1	+0.0	11.4	29.5	-18.1	Paral
4	3.389M	20.9	+0.1	+0.1	+9.3	-19.1	+0.0	11.3	29.5	-18.2	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:31:47 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 176 Parallel
Underground Site 3 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:33:21 PM
Equipment:	**BPL MV Gateway**	Sequence#:	177
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 5. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

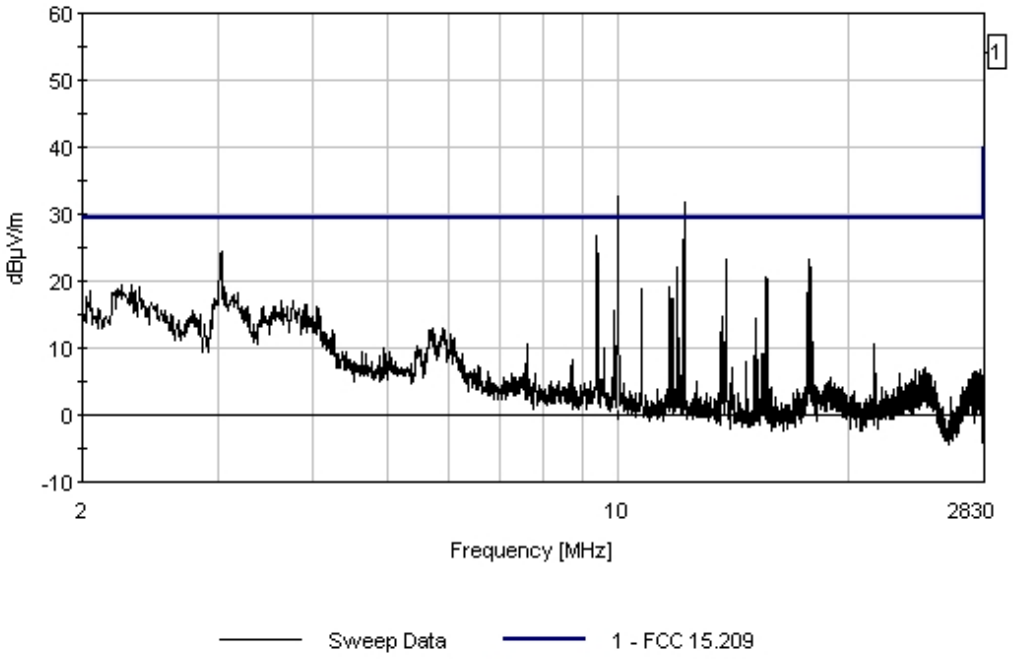
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.036M	28.9	+0.1	+0.1	+9.3	-19.1	+0.0	19.3	29.5	-10.2	Perpe
2	2.367M	28.5	+0.1	+0.1	+9.4	-19.1	+0.0	19.0	29.5	-10.5	Perpe
3	3.771M	26.6	+0.1	+0.2	+9.3	-19.1	+0.0	17.1	29.5	-12.4	Perpe
4	2.779M	25.3	+0.1	+0.1	+9.3	-19.1	+0.0	15.7	29.5	-13.8	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:33:21 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 177 Perpendicular
Underground Site 3 Position 5. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:28:00 PM
Equipment:	**BPL MV Gateway**	Sequence#:	174
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 6. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

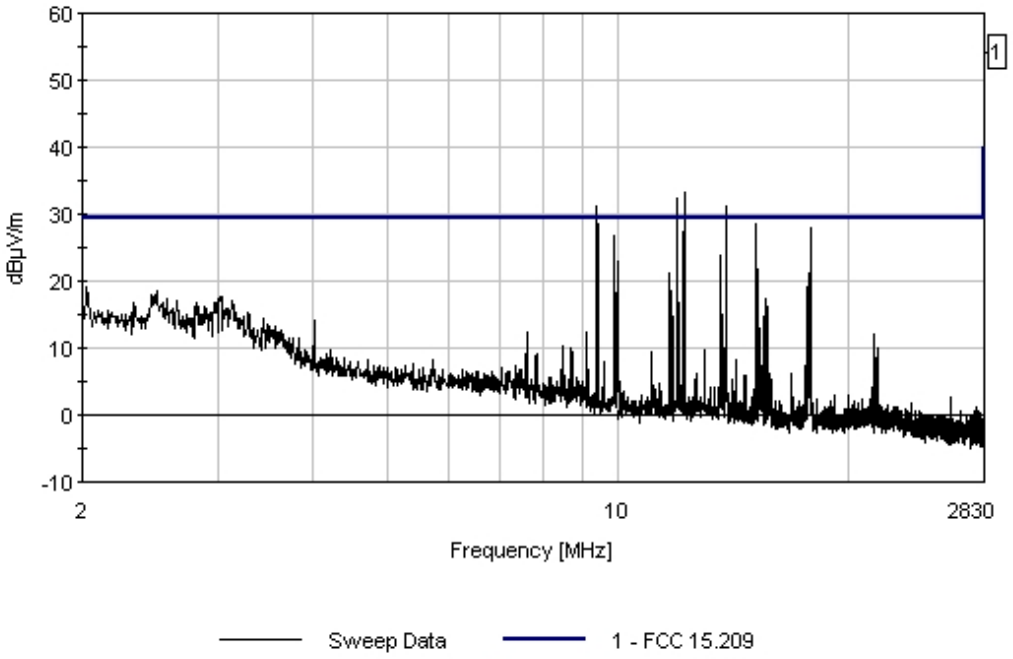
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.500M	28.1	+0.1	+0.1	+9.3	-19.1	+0.0	18.5	29.5	-11.0	Paral
2	3.022M	27.3	+0.1	+0.1	+9.3	-19.1	+0.0	17.7	29.5	-11.8	Paral
3	2.816M	26.3	+0.1	+0.1	+9.3	-19.1	+0.0	16.7	29.5	-12.8	Paral
4	3.294M	25.0	+0.1	+0.1	+9.3	-19.1	+0.0	15.4	29.5	-14.1	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:28:00 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 174 Parallel
Underground Site 3 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:29:30 PM
Equipment:	**BPL MV Gateway**	Sequence#:	175
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 6. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

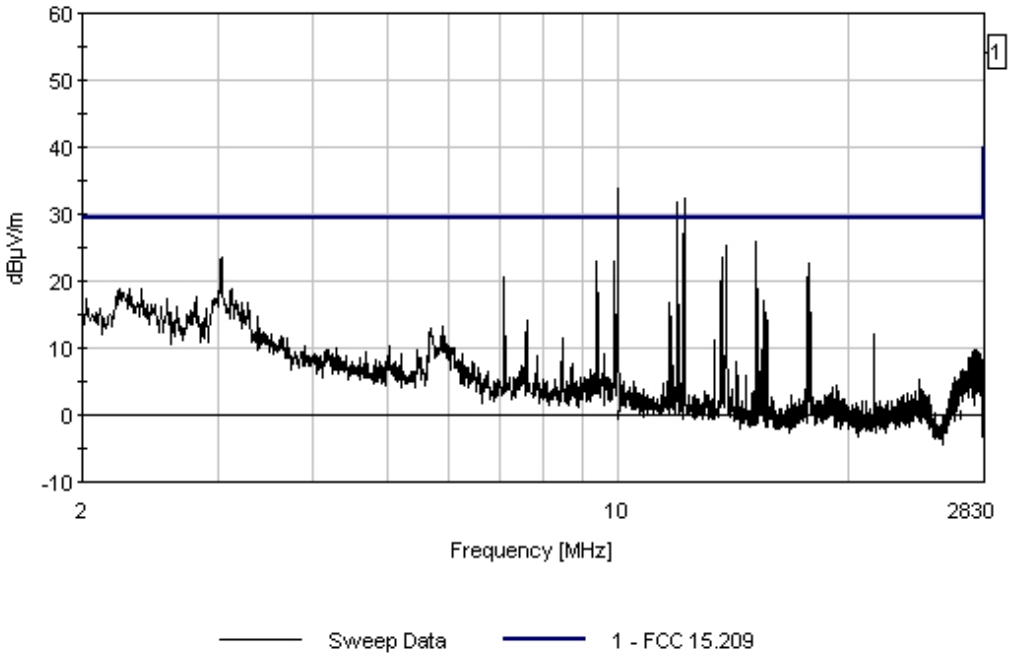
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.390M	28.4	+0.1	+0.1	+9.4	-19.1	+0.0	18.9	29.5	-10.6	Perpe
2	3.132M	28.4	+0.1	+0.1	+9.3	-19.1	+0.0	18.8	29.5	-10.7	Perpe
3	2.537M	25.9	+0.1	+0.1	+9.3	-19.1	+0.0	16.3	29.5	-13.2	Perpe
4	3.389M	24.4	+0.1	+0.1	+9.3	-19.1	+0.0	14.8	29.5	-14.7	Perpe
5	29.702M	22.4	+0.3	+0.3	+5.1	-19.1	+0.0	9.0	29.5	-20.5	Perpe
6	28.611M	21.4	+0.3	+0.3	+5.5	-19.1	+0.0	8.4	29.5	-21.1	Perpe
7	27.364M	17.4	+0.2	+0.3	+6.0	-19.1	+0.0	4.8	29.5	-24.7	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:29:30 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 175 Perpendicular
Underground Site 3 Position 6. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:24:47 PM
Equipment:	**BPL MV Gateway**	Sequence#:	172
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 7. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

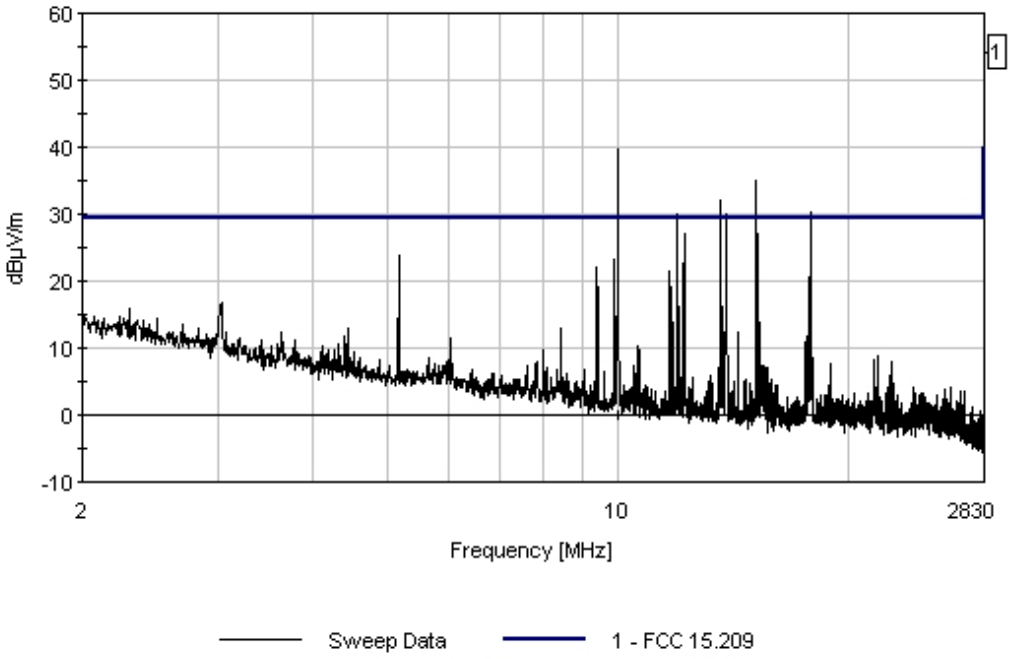
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	4.433M	22.4	+0.1	+0.2	+9.2	-19.1	+0.0	12.8	29.5	-16.7	Paral
2	3.213M	21.0	+0.1	+0.1	+9.3	-19.1	+0.0	11.4	29.5	-18.1	Paral
3	6.028M	21.1	+0.1	+0.1	+9.2	-19.1	+0.0	11.4	29.5	-18.1	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:24:47 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 172 Parallel
Underground Site 3 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:26:19 PM
Equipment:	**BPL MV Gateway**	Sequence#:	173
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 7. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

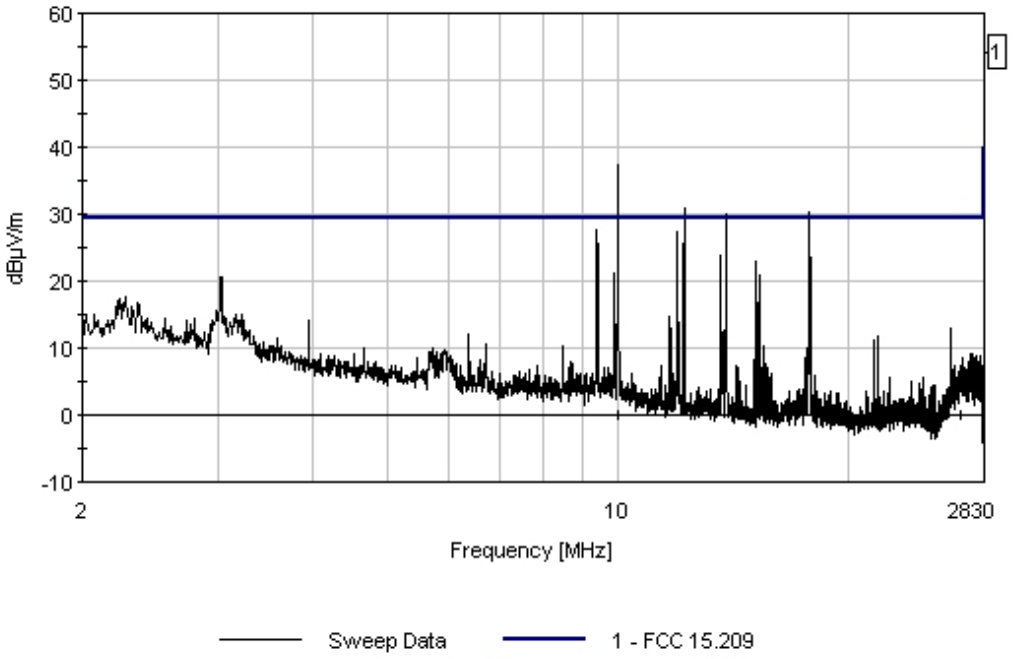
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.029M	28.2	+0.1	+0.1	+9.3	-19.1	+0.0	18.6	29.5	-10.9	Perpe
2	2.272M	27.1	+0.1	+0.1	+9.4	-19.1	+0.0	17.6	29.5	-11.9	Perpe
3	2.360M	26.4	+0.1	+0.1	+9.4	-19.1	+0.0	16.9	29.5	-12.6	Perpe
4	28.932M	22.3	+0.3	+0.3	+5.4	-19.1	+0.0	9.2	29.5	-20.3	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:26:19 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 173 Perpendicular
Underground Site 3 Position 7. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:21:47 PM
Equipment:	**BPL MV Gateway**	Sequence#:	170
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 8. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

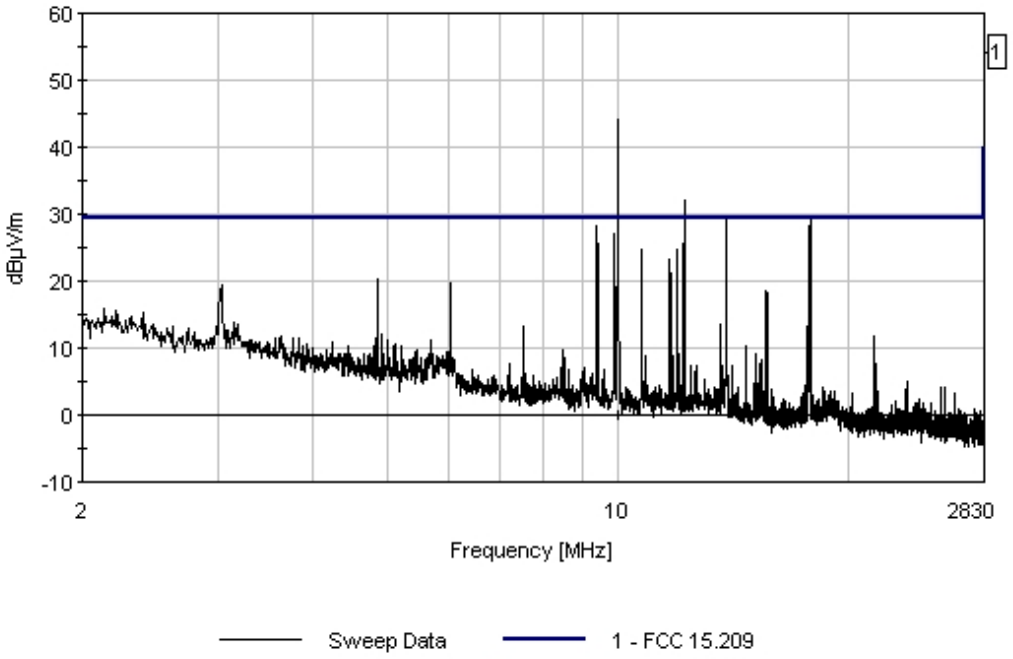
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.140M	25.4	+0.1	+0.1	+9.4	-19.1	+0.0	15.9	29.5	-13.6	Paral
2	3.632M	21.2	+0.1	+0.2	+9.3	-19.1	+0.0	11.7	29.5	-17.8	Paral
3	4.837M	21.2	+0.1	+0.1	+9.2	-19.1	+0.0	11.5	29.5	-18.0	Paral
4	5.706M	20.8	+0.1	+0.1	+9.2	-19.1	+0.0	11.1	29.5	-18.4	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:21:47 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 170 Parallel
Underground Site 3 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:23:16 PM
Equipment:	**BPL MV Gateway**	Sequence#:	171
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 8. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

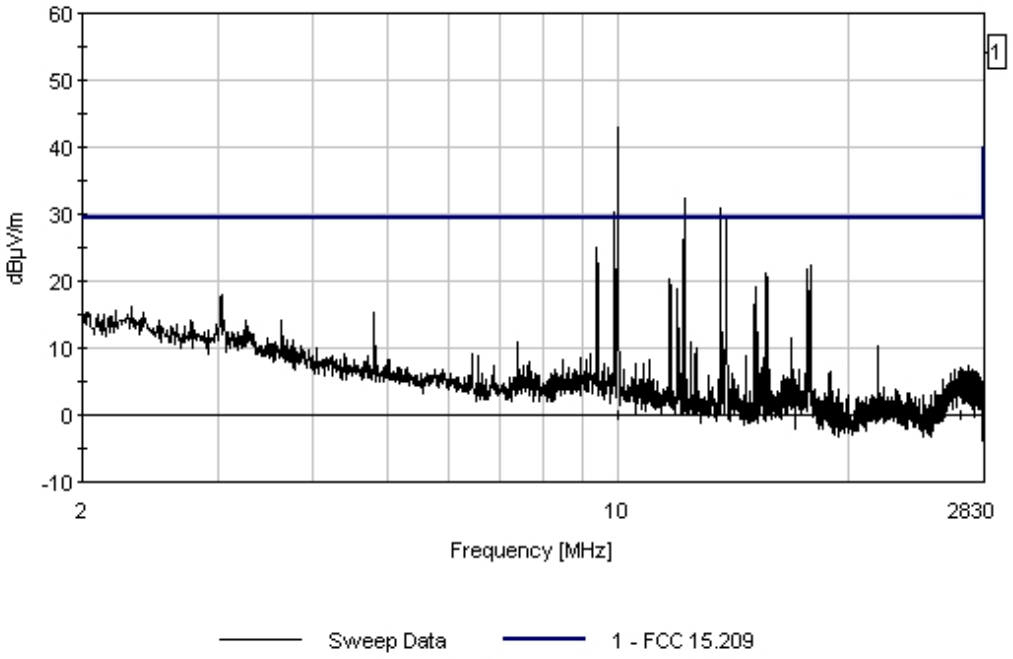
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	28.611M	20.4	+0.3	+0.3	+5.5	-19.1	+0.0	7.4	29.5	-22.1	Perpe
2	27.515M	19.4	+0.3	+0.3	+5.9	-19.1	+0.0	6.8	29.5	-22.7	Perpe
3	29.381M	19.6	+0.3	+0.3	+5.2	-19.1	+0.0	6.3	29.5	-23.2	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:23:16 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 171 Perpendicular
Underground Site 3 Position 8. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:18:43 PM
Equipment:	**BPL MV Gateway**	Sequence#:	168
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 9. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

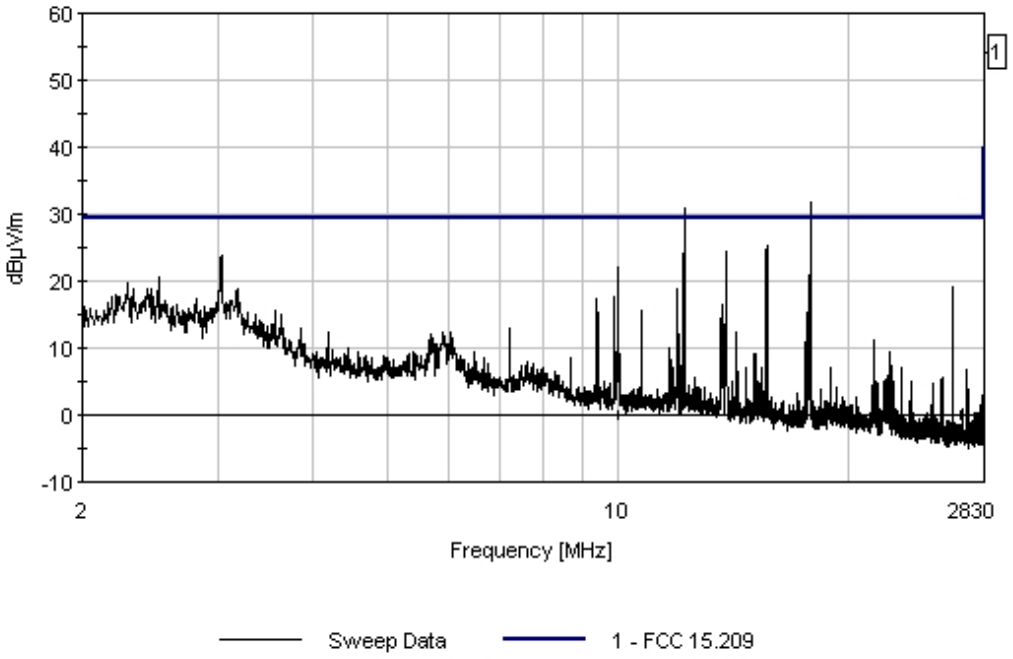
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.514M	30.2	+0.1	+0.1	+9.3	-19.1	+0.0	20.6	29.5	-8.9	Paral
2	2.294M	29.2	+0.1	+0.1	+9.4	-19.1	+0.0	19.7	29.5	-9.8	Paral
3	3.632M	24.6	+0.1	+0.2	+9.3	-19.1	+0.0	15.1	29.5	-14.4	Paral
4	3.492M	22.8	+0.1	+0.2	+9.3	-19.1	+0.0	13.3	29.5	-16.2	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:18:43 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 168 Parallel
Underground Site 3 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:20:11 PM
Equipment:	**BPL MV Gateway**	Sequence#:	169
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 9. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

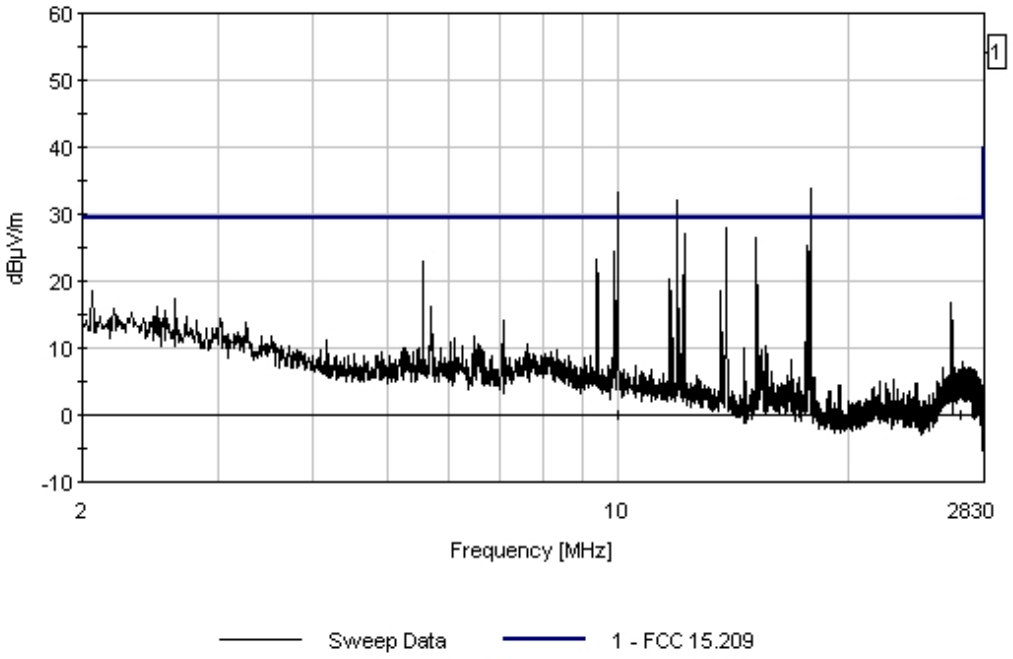
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.647M	26.9	+0.1	+0.1	+9.3	-19.1	+0.0	17.3	29.5	-12.2	Perpe
2	3.264M	23.3	+0.1	+0.1	+9.3	-19.1	+0.0	13.7	29.5	-15.8	Perpe
3	4.175M	20.8	+0.1	+0.2	+9.2	-19.1	+0.0	11.2	29.5	-18.3	Perpe
4	28.204M	21.4	+0.3	+0.3	+5.6	-19.1	+0.0	8.5	29.5	-21.0	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:20:11 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 169 Perpendicular
Underground Site 3 Position 9. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:15:16 PM
Equipment:	**BPL MV Gateway**	Sequence#:	166
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 10. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

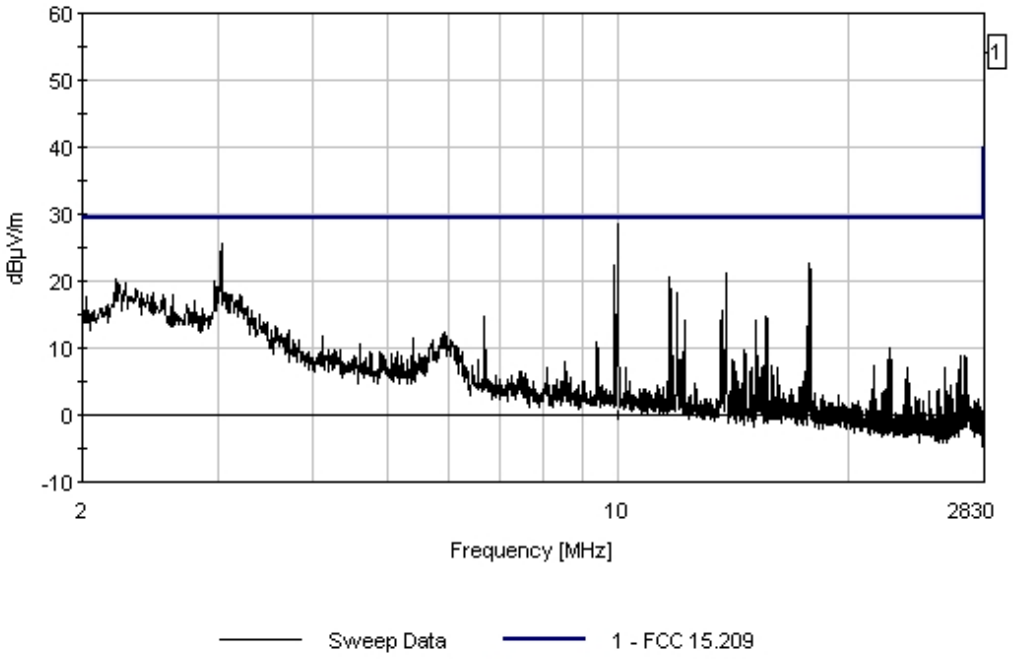
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.977M	29.5	+0.1	+0.1	+9.3	-19.1	+0.0	19.9	29.5	-9.6	Paral
2	2.625M	27.4	+0.1	+0.1	+9.3	-19.1	+0.0	17.8	29.5	-11.7	Paral
3	2.808M	26.8	+0.1	+0.1	+9.3	-19.1	+0.0	17.2	29.5	-12.3	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:15:16 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 166 Parallel
Underground Site 3 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:17:08 PM
Equipment:	**BPL MV Gateway**	Sequence#:	167
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 10. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

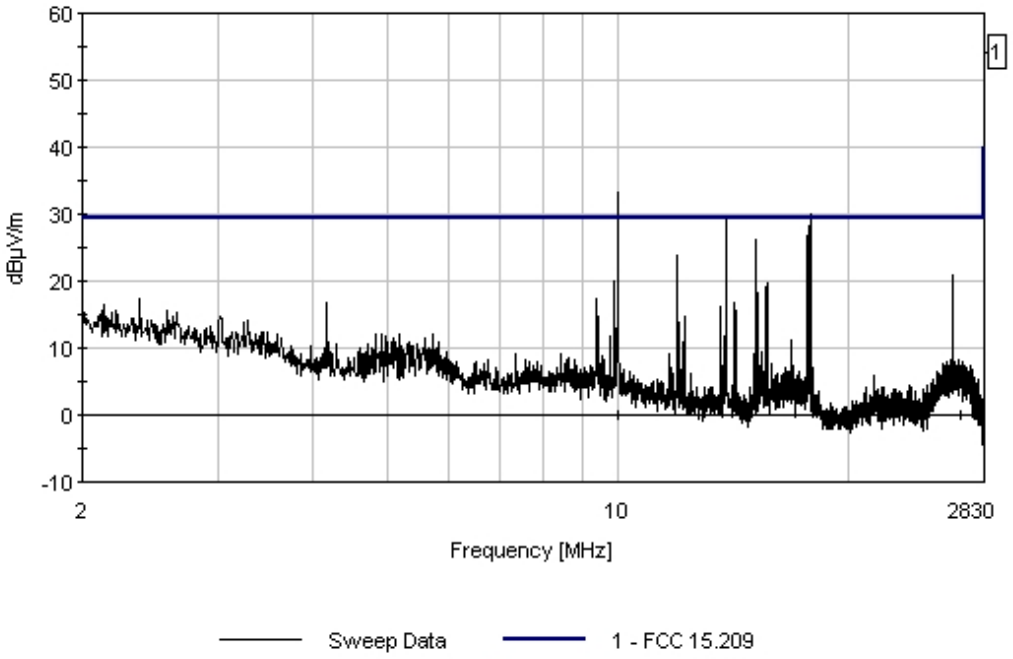
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.375M	26.8	+0.1	+0.1	+9.4	-19.1	+0.0	17.3	29.5	-12.2	Perpe
2	3.286M	23.7	+0.1	+0.1	+9.3	-19.1	+0.0	14.1	29.5	-15.4	Perpe
3	4.973M	21.5	+0.1	+0.1	+9.2	-19.1	+0.0	11.8	29.5	-17.7	Perpe
4	28.724M	20.9	+0.3	+0.3	+5.5	-19.1	+0.0	7.9	29.5	-21.6	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:17:08 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 167 Perpendicular
Underground Site 3 Position 10. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:11:36 PM
Equipment:	**BPL MV Gateway**	Sequence#:	164
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 11. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

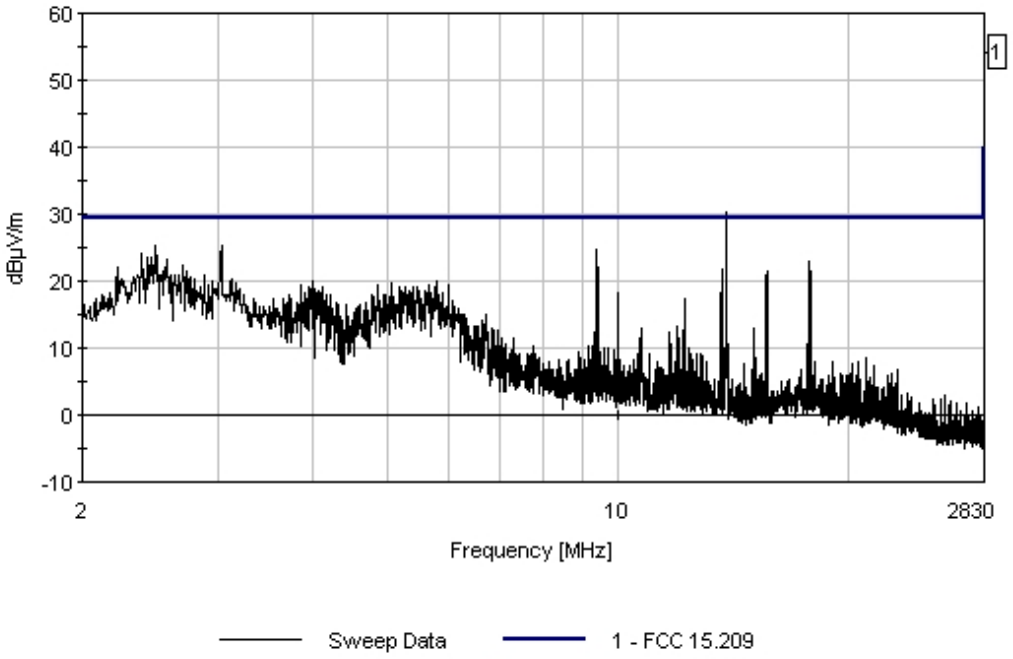
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.360M	30.4	+0.1	+0.1	+9.4	-19.1	+0.0	20.9	29.5	-8.6	Paral
2	3.992M	29.5	+0.1	+0.2	+9.3	-19.1	+0.0	20.0	29.5	-9.5	Paral
3	5.656M	29.2	+0.1	+0.1	+9.2	-19.1	+0.0	19.5	29.5	-10.0	Paral
4	4.866M	29.1	+0.1	+0.1	+9.2	-19.1	+0.0	19.4	29.5	-10.1	Paral
5	5.274M	28.8	+0.1	+0.1	+9.2	-19.1	+0.0	19.1	29.5	-10.4	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:11:36 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 164 Parallel
Underground Site 3 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:15:03
Equipment:	**BPL MV Gateway**	Sequence#:	165
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 11. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

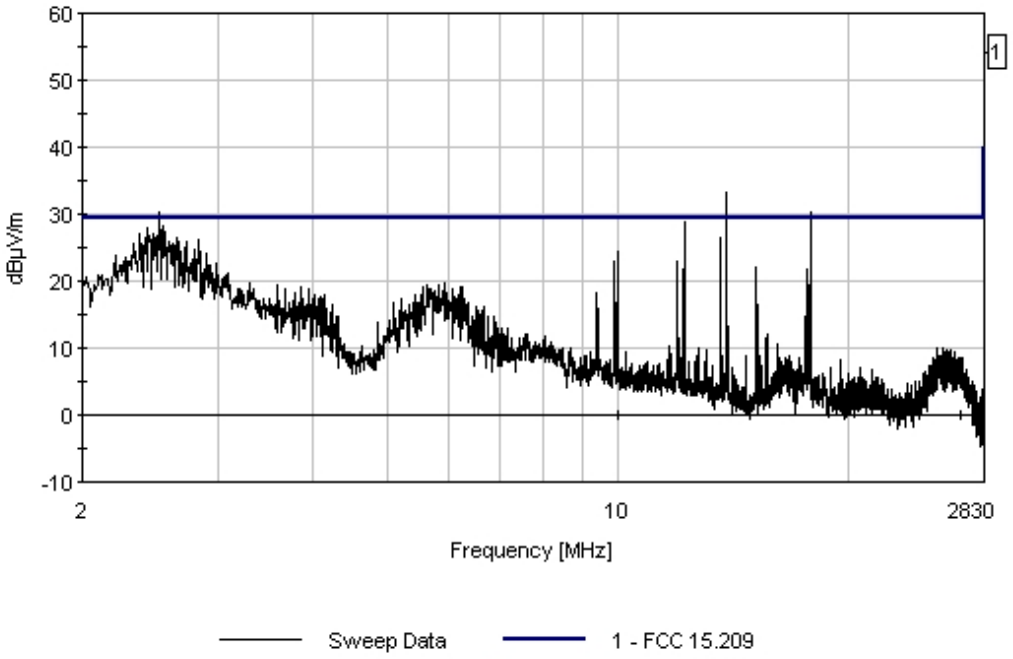
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.325M	32.8	+0.1	+0.1	+9.4	-19.1	+0.0	23.3	29.5	-6.2	Perpe
2	2.300M	29.6	+0.1	+0.1	+9.4	-19.1	+0.0	20.1	29.5	-9.4	Perpe
3	2.788M	29.5	+0.1	+0.1	+9.3	-19.1	+0.0	19.9	29.5	-9.6	Perpe
4	2.640M	28.4	+0.1	+0.1	+9.3	-19.1	+0.0	18.8	29.5	-10.7	Perpe
5	2.083M	28.0	+0.1	+0.1	+9.4	-19.1	+0.0	18.5	29.5	-11.0	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:15:03 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 165 Perpendicular
Underground Site 3 Position 11. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:07:45 PM
Equipment:	**BPL MV Gateway**	Sequence#:	162
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 12. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

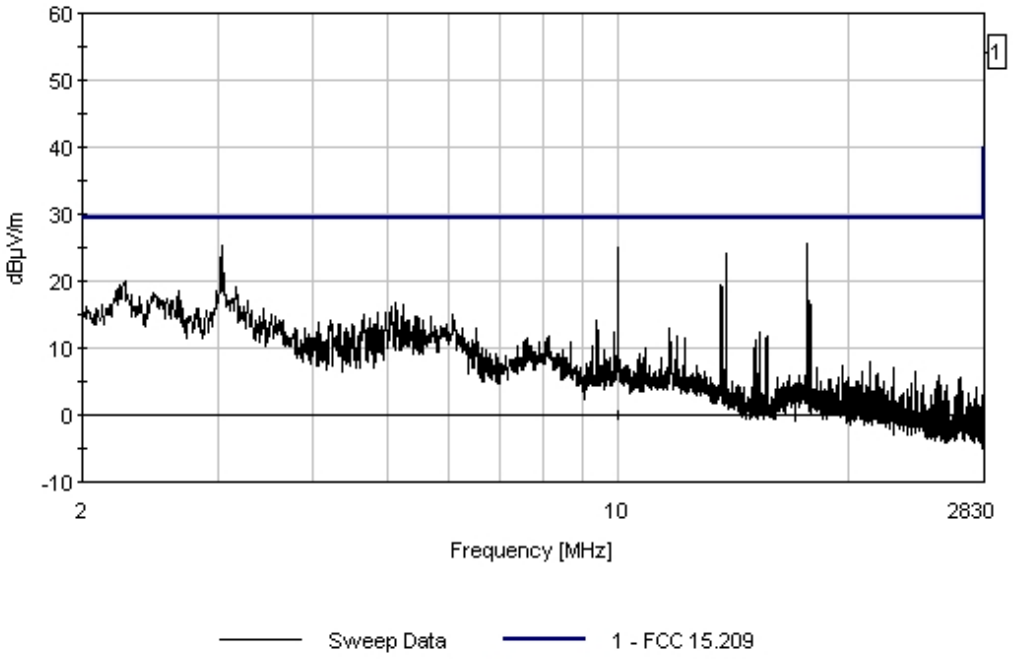
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.272M	28.6	+0.1	+0.1	+9.4	-19.1	+0.0	19.1	29.5	-10.4	Paral
2	2.669M	28.2	+0.1	+0.1	+9.3	-19.1	+0.0	18.6	29.5	-10.9	Paral
3	3.032M	28.0	+0.1	+0.1	+9.3	-19.1	+0.0	18.4	29.5	-11.1	Paral
4	3.294M	26.8	+0.1	+0.1	+9.3	-19.1	+0.0	17.2	29.5	-12.3	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 12:07:45 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 162 Parallel
Underground Site 3 Position 12. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:09:56 PM
Equipment:	**BPL MV Gateway**	Sequence#:	163
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 12. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

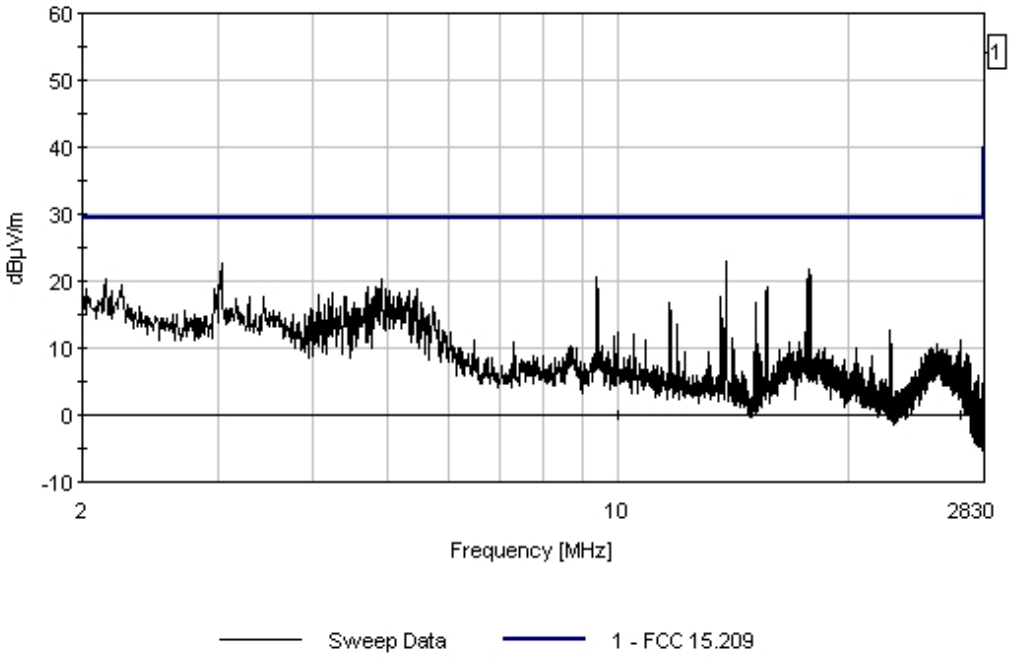
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.257M	28.8	+0.1	+0.1	+9.4	-19.1	+0.0	19.3	29.5	-10.2	Perpe
2	5.174M	27.9	+0.1	+0.1	+9.2	-19.1	+0.0	18.2	29.5	-11.3	Perpe
3	4.234M	27.7	+0.1	+0.2	+9.2	-19.1	+0.0	18.1	29.5	-11.4	Perpe
4	3.448M	27.3	+0.1	+0.1	+9.3	-19.1	+0.0	17.7	29.5	-11.8	Perpe
5	5.304M	27.3	+0.1	+0.1	+9.2	-19.1	+0.0	17.6	29.5	-11.9	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:09:56 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 163 Perpendicular
Underground Site 3 Position 12. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:59:49 AM
Equipment:	**BPL MV Gateway**	Sequence#:	160
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 13. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

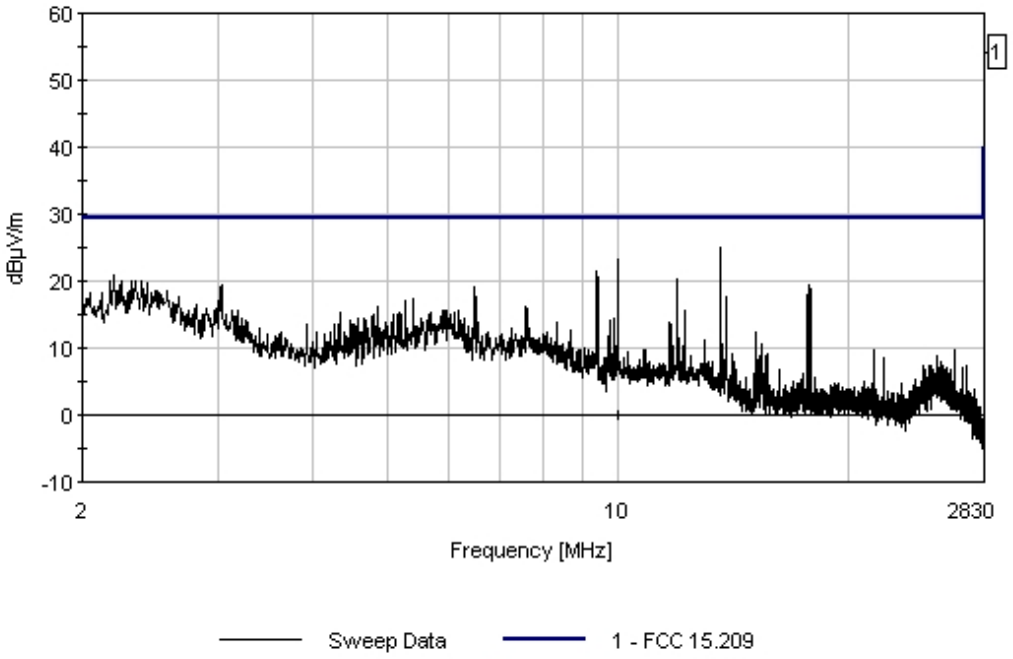
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.250M	29.5	+0.1	+0.1	+9.4	-19.1	+0.0	20.0	29.5	-9.5	Paral
2	2.316M	29.5	+0.1	+0.1	+9.4	-19.1	+0.0	20.0	29.5	-9.5	Paral
3	2.426M	29.3	+0.1	+0.1	+9.4	-19.1	+0.0	19.8	29.5	-9.7	Paral
4	2.897M	25.6	+0.1	+0.1	+9.3	-19.1	+0.0	16.0	29.5	-13.5	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 11:59:49 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 160 Parallel
Underground Site 3 Position 13. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	12:01:44 PM
Equipment:	**BPL MV Gateway**	Sequence#:	161
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 13. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

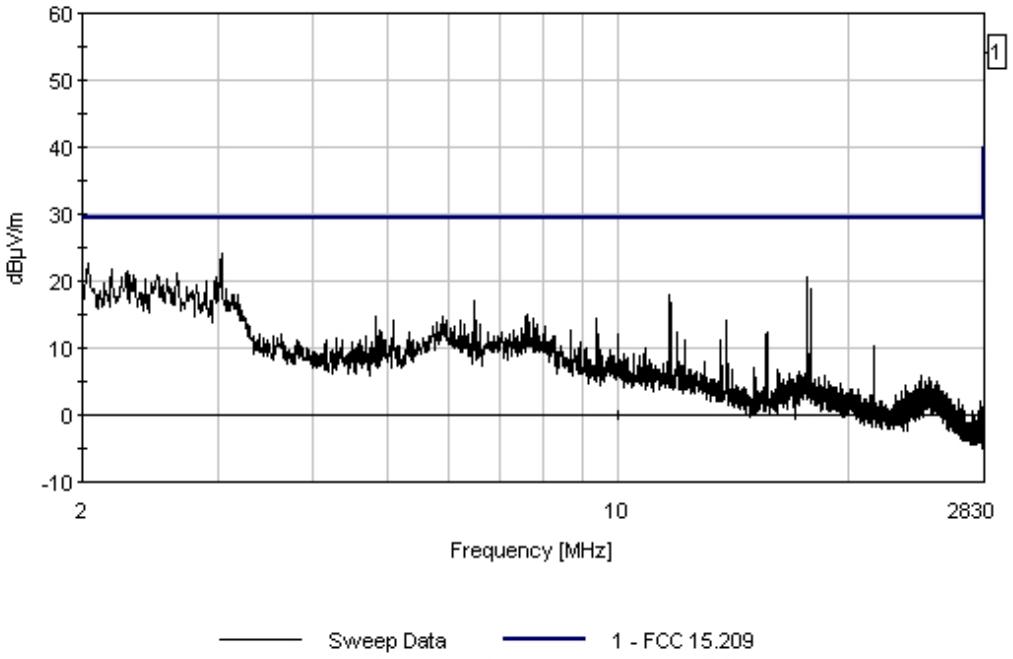
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.661M	28.9	+0.1	+0.1	+9.3	-19.1	+0.0	19.3	29.5	-10.2	Perpe
2	3.044M	28.7	+0.1	+0.1	+9.3	-19.1	+0.0	19.1	29.5	-10.4	Perpe
3	2.897M	27.5	+0.1	+0.1	+9.3	-19.1	+0.0	17.9	29.5	-11.6	Perpe
4	2.184M	27.2	+0.1	+0.1	+9.4	-19.1	+0.0	17.7	29.5	-11.8	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 12:01:44 PM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 161 Perpendicular
Underground Site 3 Position 13. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:28:01 AM
Equipment:	**BPL MV Gateway**	Sequence#:	158
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 14. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

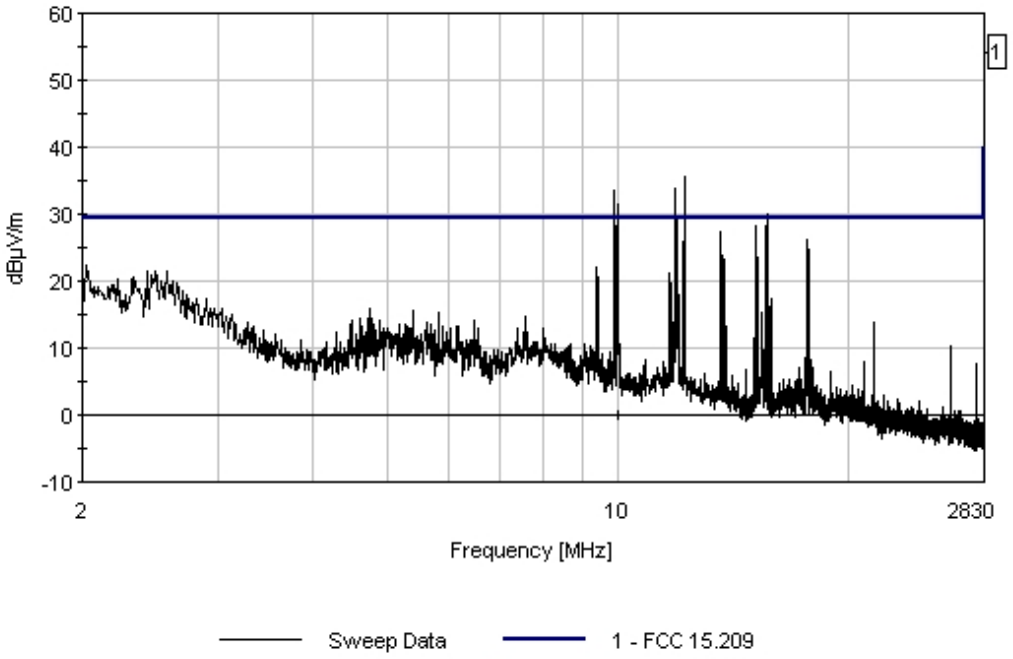
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.573M	31.2	+0.1	+0.1	+9.3	-19.1	+0.0	21.6	29.5	-7.9	Paral
2	2.338M	30.1	+0.1	+0.1	+9.4	-19.1	+0.0	20.6	29.5	-8.9	Paral
3	2.706M	28.1	+0.1	+0.1	+9.3	-19.1	+0.0	18.5	29.5	-11.0	Paral
4	3.580M	21.6	+0.1	+0.2	+9.3	-19.1	+0.0	12.1	29.5	-17.4	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 11:28:01 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 158 Parallel
Underground Site 3 Position 14. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:57:58 AM
Equipment:	**BPL MV Gateway**	Sequence#:	159
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 14. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

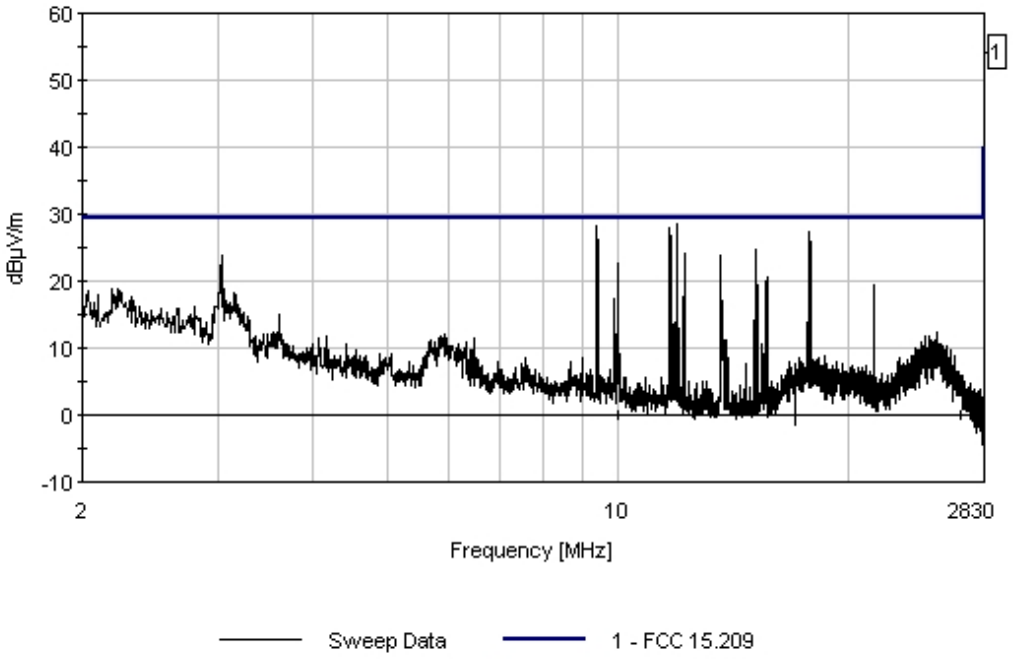
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	3.036M	28.3	+0.1	+0.1	+9.3	-19.1	+0.0	18.7	29.5	-10.8	Perpe
2	2.237M	28.1	+0.1	+0.1	+9.4	-19.1	+0.0	18.6	29.5	-10.9	Perpe
3	2.096M	27.4	+0.1	+0.1	+9.4	-19.1	+0.0	17.9	29.5	-11.6	Perpe
4	26.098M	24.5	+0.2	+0.3	+6.5	-19.1	+0.0	12.4	29.5	-17.1	Perpe
5	25.465M	23.7	+0.2	+0.3	+6.7	-19.1	+0.0	11.8	29.5	-17.7	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 11:57:58 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 159 Perpendicular
Underground Site 3 Position 14. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:22:32 AM
Equipment:	**BPL MV Gateway**	Sequence#:	156
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 15. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

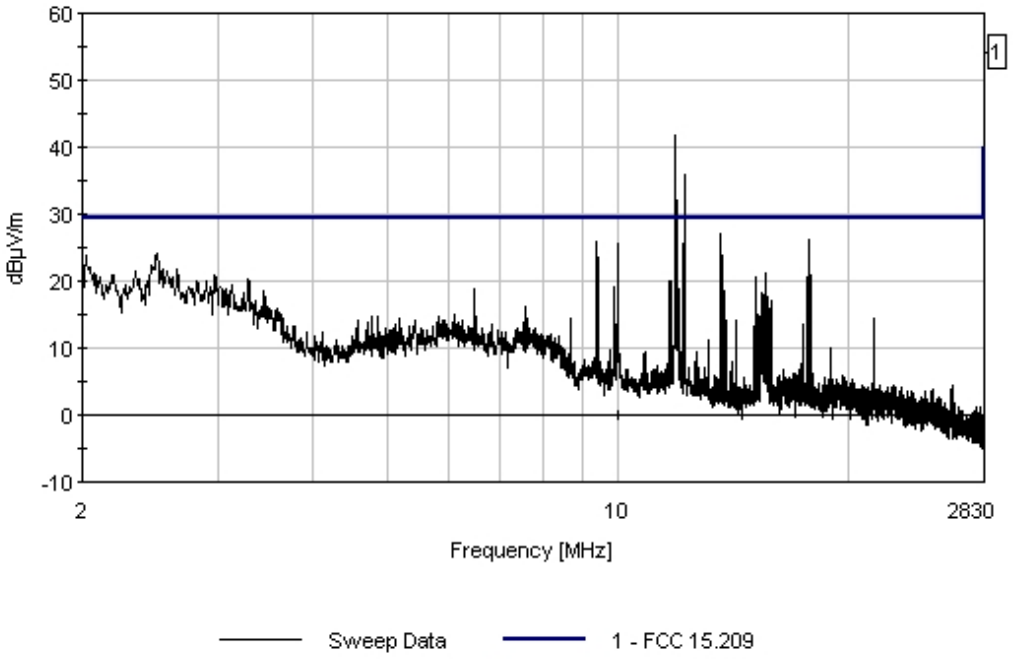
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.353M	28.9	+0.1	+0.1	+9.4	-19.1	+0.0	19.4	29.5	-10.1	Paral
2	2.977M	28.6	+0.1	+0.1	+9.3	-19.1	+0.0	19.0	29.5	-10.5	Paral
3	3.294M	28.0	+0.1	+0.1	+9.3	-19.1	+0.0	18.4	29.5	-11.1	Paral
4	3.139M	27.1	+0.1	+0.1	+9.3	-19.1	+0.0	17.5	29.5	-12.0	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 11:22:32 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 156 Parallel
Underground Site 3 Position 15. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:24:05 AM
Equipment:	**BPL MV Gateway**	Sequence#:	157
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 15. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

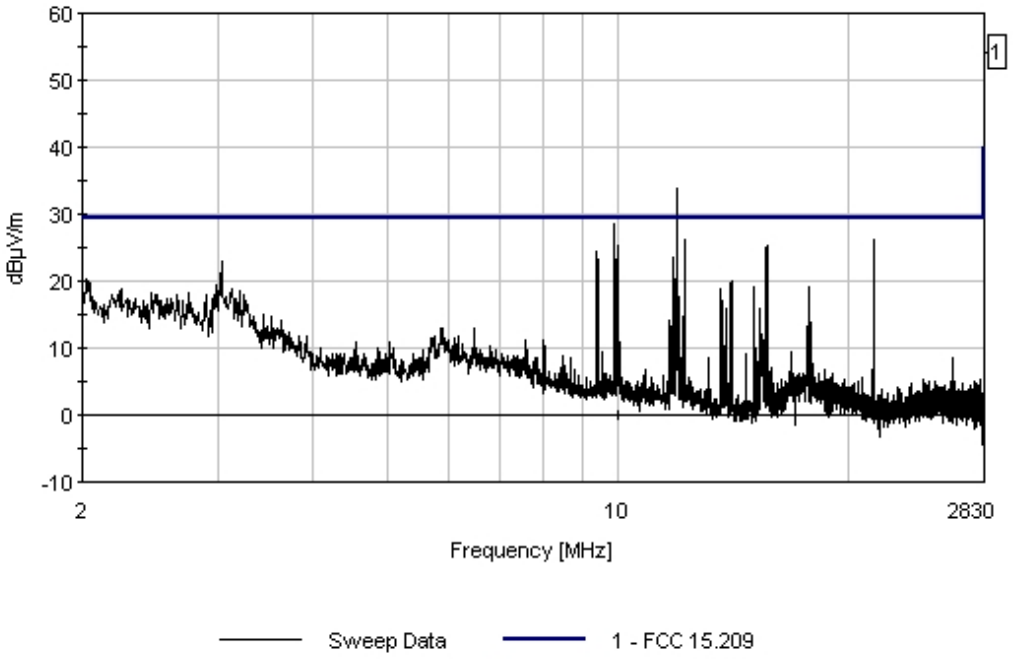
Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.029M	29.8	+0.1	+0.1	+9.4	-19.1	+0.0	20.3	29.5	-9.2	Perpe
2	3.213M	28.1	+0.1	+0.1	+9.3	-19.1	+0.0	18.5	29.5	-11.0	Perpe
3	2.463M	27.7	+0.1	+0.1	+9.4	-19.1	+0.0	18.2	29.5	-11.3	Perpe
4	2.661M	27.4	+0.1	+0.1	+9.3	-19.1	+0.0	17.8	29.5	-11.7	Perpe
5	2.897M	27.4	+0.1	+0.1	+9.3	-19.1	+0.0	17.8	29.5	-11.7	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 11:24:05 AM Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 157 Perpendicular
Underground Site 3 Position 15. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:19:55
Equipment:	**BPL MV Gateway**	Sequence#:	154
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 16. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

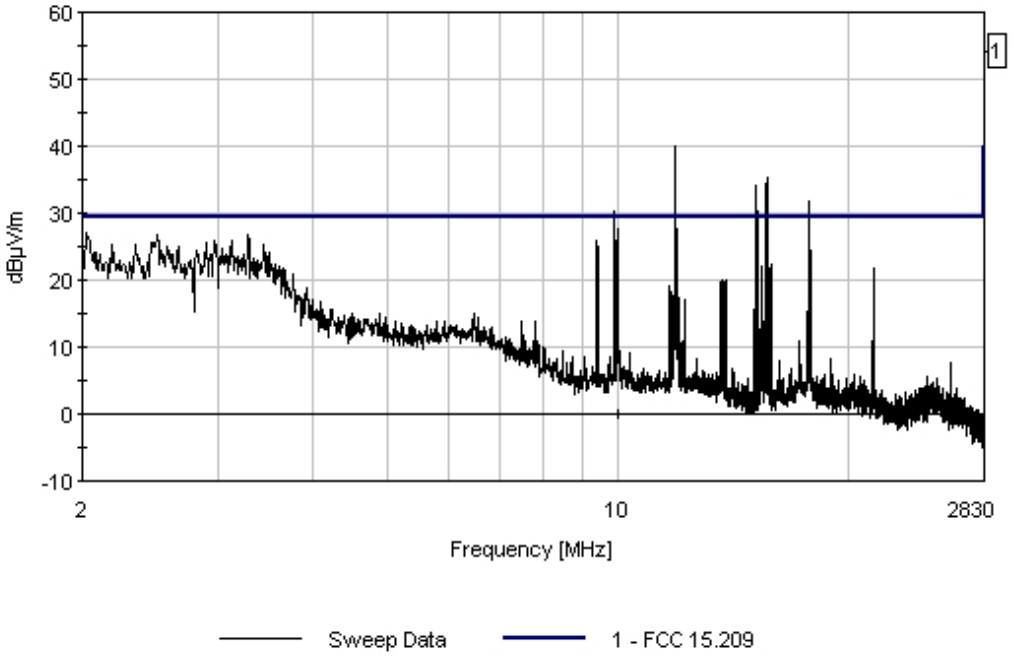
T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1 QP	3.282M	34.1	+0.1	+0.1	+9.3	-19.1	+0.0	24.5	29.5	-5.0	Paral
^	3.282M	36.6	+0.1	+0.1	+9.3	-19.1	+0.0	26.9	29.5	-2.6	Paral
3 QP	3.128M	34.0	+0.1	+0.1	+9.3	-19.1	+0.0	24.4	29.5	-5.1	Paral
^	3.128M	36.1	+0.1	+0.1	+9.3	-19.1	+0.0	26.5	29.5	-3.0	Paral
5 QP	2.030M	33.9	+0.1	+0.1	+9.4	-19.1	+0.0	24.4	29.5	-5.1	Paral
^	2.030M	37.4	+0.1	+0.1	+9.4	-19.1	+0.0	27.9	29.5	-1.6	Paral

7 QP	3.441M	33.2	+0.1	+0.1	+9.3	-19.1	+0.0	23.6	29.5	-5.9	Paral
^	3.441M	35.6	+0.1	+0.1	+9.3	-19.1	+0.0	26.0	29.5	-3.5	Paral
9 QP	2.503M	33.1	+0.1	+0.1	+9.3	-19.1	+0.0	23.5	29.5	-6.0	Paral
^	2.503M	36.6	+0.1	+0.1	+9.3	-19.1	+0.0	27.0	29.5	-2.5	Paral

Underground Test Site #3 Date: 4/26/2006 Time: 11:19:55 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 154 Parallel
Underground Site 3 Position 16. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.



Test Location: LV Underground Test Site #3 •Grayson Lakes Section 9, Transformer #7 • Katy, TX •

Customer:	**Corinex**		
Specification:	**FCC 15.209**		
Work Order #:	**84818**	Date:	4/26/2006
Test Type:	**Radiated Scan**	Time:	11:22:04
Equipment:	**BPL MV Gateway**	Sequence#:	155
Manufacturer:	Corinex	Tested By:	C. Nicklas
Model:	MV Gateway		
S/N:	6749420821		

***Equipment Under Test* (* = EUT):**

Function	Manufacturer	Model #	S/N
BPL MV Gateway*	Corinex	MV Gateway	6749420821

Support Devices:

Function	Manufacturer	Model #	S/N

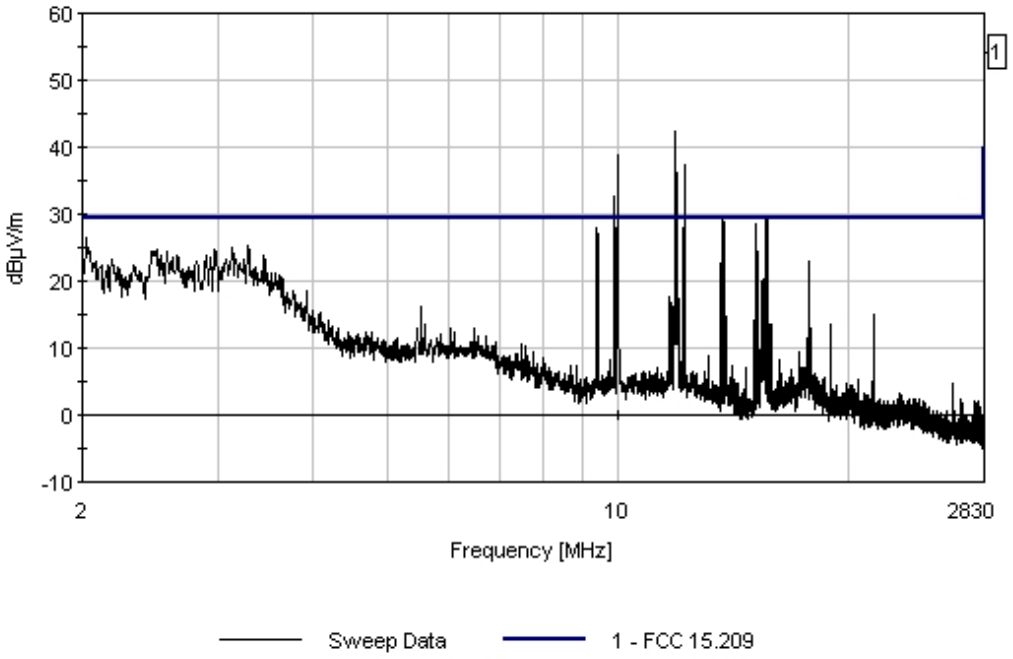
Test Conditions / Notes:

Formal Underground Test Site #3: At Grayson Lakes Section 9, Transformer #7 in Katy, TX. Testing using the Magnetic Loop Antenna from 2-30MHz. Test distance of antenna to transformer is 10 meters. Distance correction factor is -40log(30/10) or -19.1dB. Test Position 16. Unit is setup for maximum transmission over the low voltage lines at the maximum power level for underground lines only from 2.5-30MHz. Maximum power level has been dropped by 5dB from 2-2.5MHz.. Notch Filters are off line.

Transducer Legend:

T1=PO 05440 RG214/U Cable	T2=Cable 2410
T3=Mag Loop - AN 00432- 9kHz-30M	T4=10m Distance Correction

Measurement Data: Reading listed by margin. Test Distance: 10 Meters

#	Freq MHz	Rdng dBµV	T1 dB	T2 dB	T3 dB	T4 dB	Dist Table	Corr dBµV/m	Spec dBµV/m	Margin dB	Polar Ant
1	2.035M	34.6	+0.1	+0.1	+9.4	-19.1	+0.0	25.1	29.5	-4.4	Perpe
2	3.135M	34.0	+0.1	+0.1	+9.3	-19.1	+0.0	24.4	29.5	-5.1	Perpe
3	3.290M	32.7	+0.1	+0.1	+9.3	-19.1	+0.0	23.1	29.5	-6.4	Perpe
4	2.455M	31.8	+0.1	+0.1	+9.4	-19.1	+0.0	22.3	29.5	-7.2	Perpe
5	3.485M	31.2	+0.1	+0.2	+9.3	-19.1	+0.0	21.7	29.5	-7.8	Perpe
6	2.815M	30.5	+0.1	+0.1	+9.3	-19.1	+0.0	20.9	29.5	-8.6	Perpe

Underground Test Site #3 Date: 4/26/2006 Time: 11:22:04 Corinex WO#: 84818
FCC 15.209 Test Distance: 10 Meters Sequence#: 155 Perpendicular
Underground Site 3 Position 16. Low Voltage. Notches off. Power 5dB drop 2-2.5MHz. Full power 2.5-30MHz.