

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA51062-C/P	Serial No:	CC060002
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

13: 01: 18 AUG 18, 2006

REF 30.0 dBm

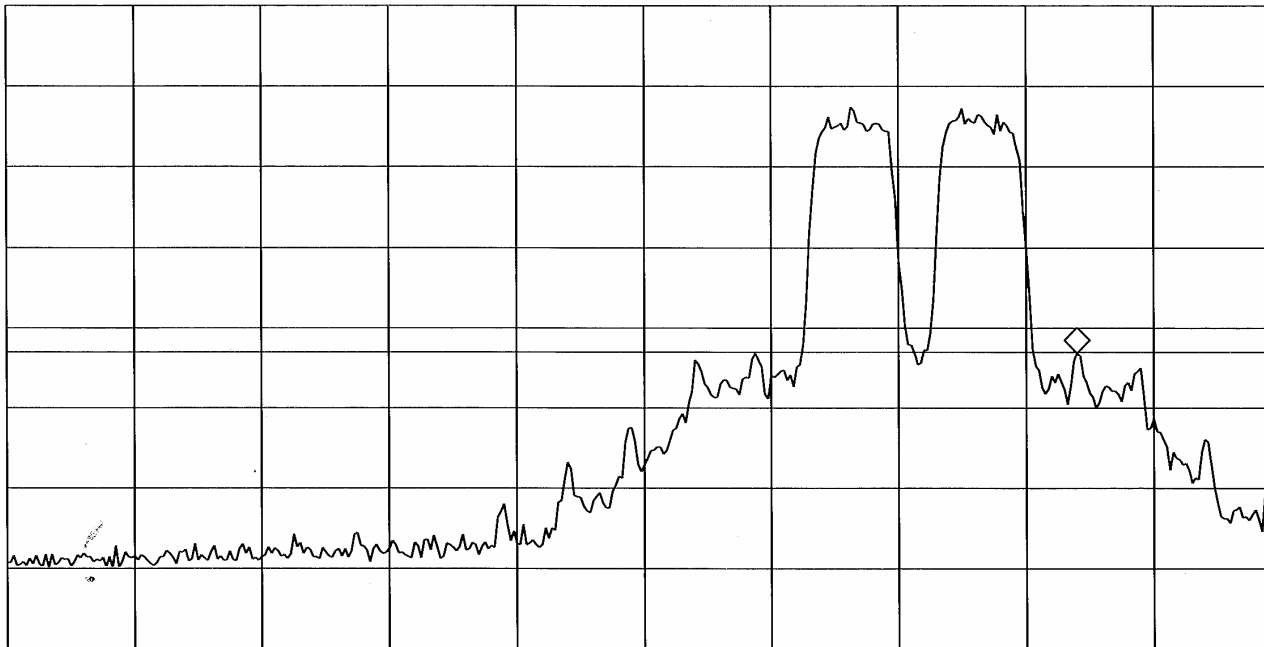
#AT 10 dB

MKR 1.98880 GHz

-13.12 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.93000 GHz

RES BW 300 KHz

#VBW 1 MHz

STOP 2.00000 GHz

SWP 20.0 msec

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Job No:	R-4609N-1		Technician:
		M.Seamans	
Date:	8/16/2006		

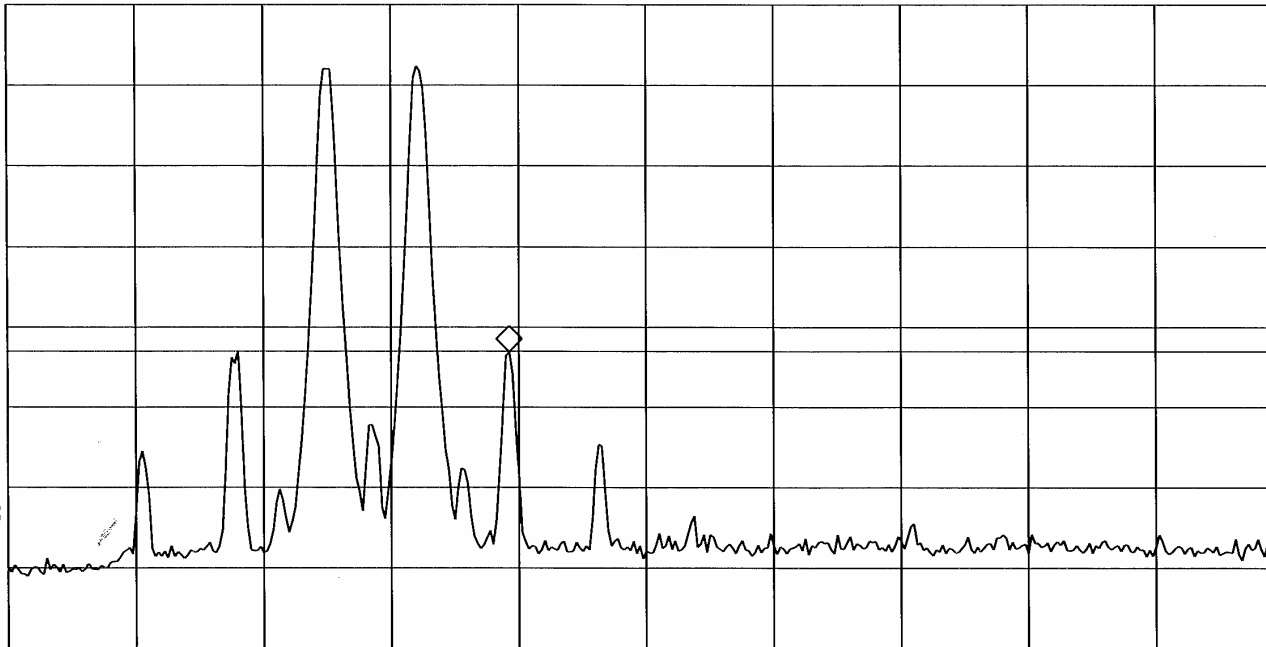
13: 15: 25 AUG 18, 2006

MKR 1.94748 GHz
-13.06 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.92000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.99000 GHz
SWP 20.0 msec

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Notes:	PCS Band -FM - Downlink		
Job No:	R-4609N-1		Technician:
		M.Seamans	
Date:	8/16/2006		

13: 15: 12 AUG 18, 2006

REF 30.0 dBm

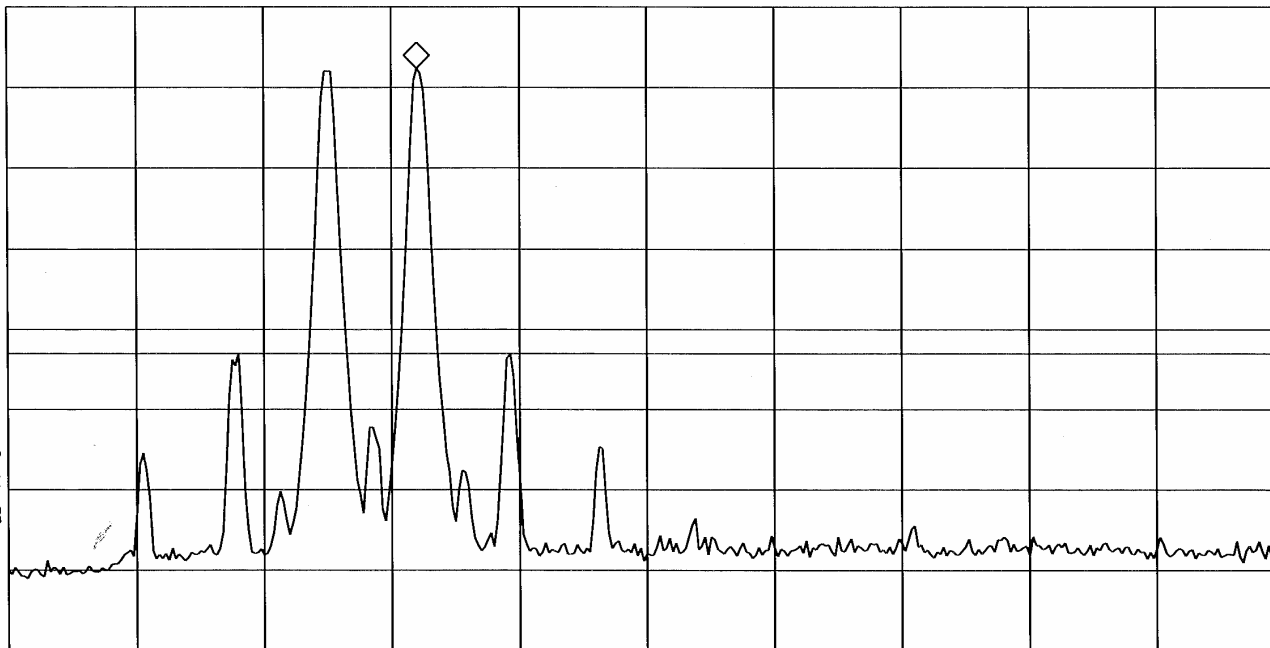
#AT 10 dB

MKR 1.94240 GHz

22.33 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.92000 GHz

RES BW 300 KHz

#VBW 1 MHz

STOP 1.99000 GHz

SWP 20.0 msec

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Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

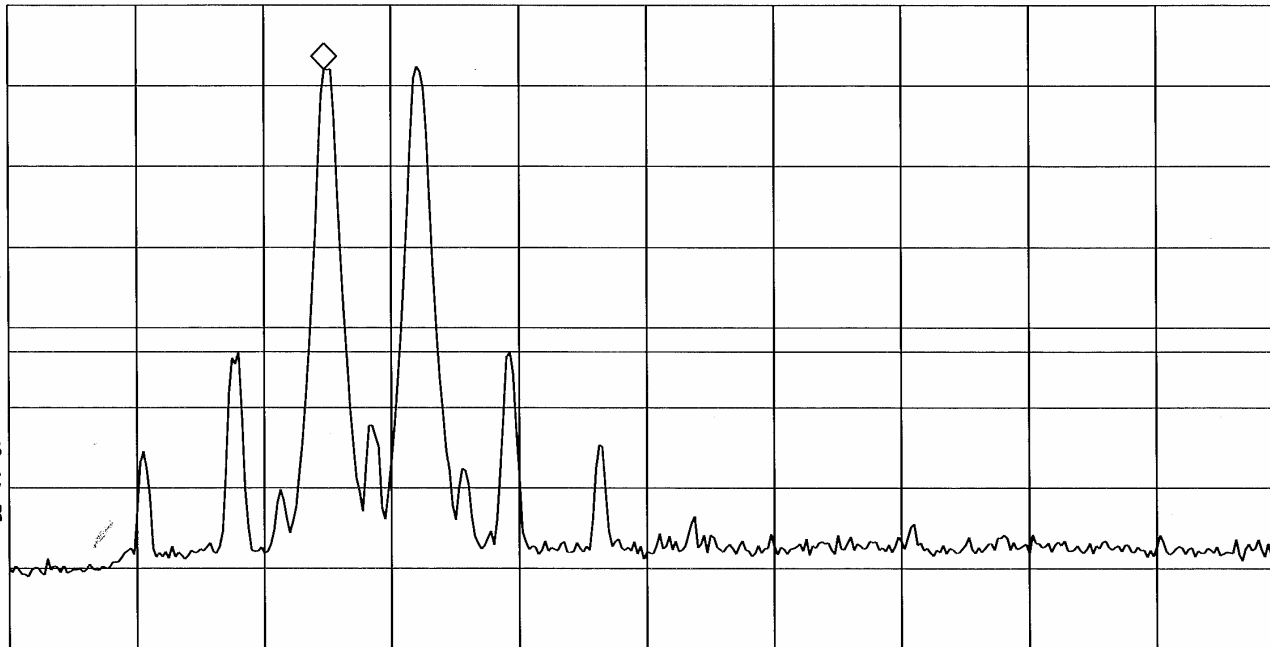
13: 14: 47 AUG 18, 2006

MKR 1.93733 GHz
22.00 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.92000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.99000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

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Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -FM - Downlink		

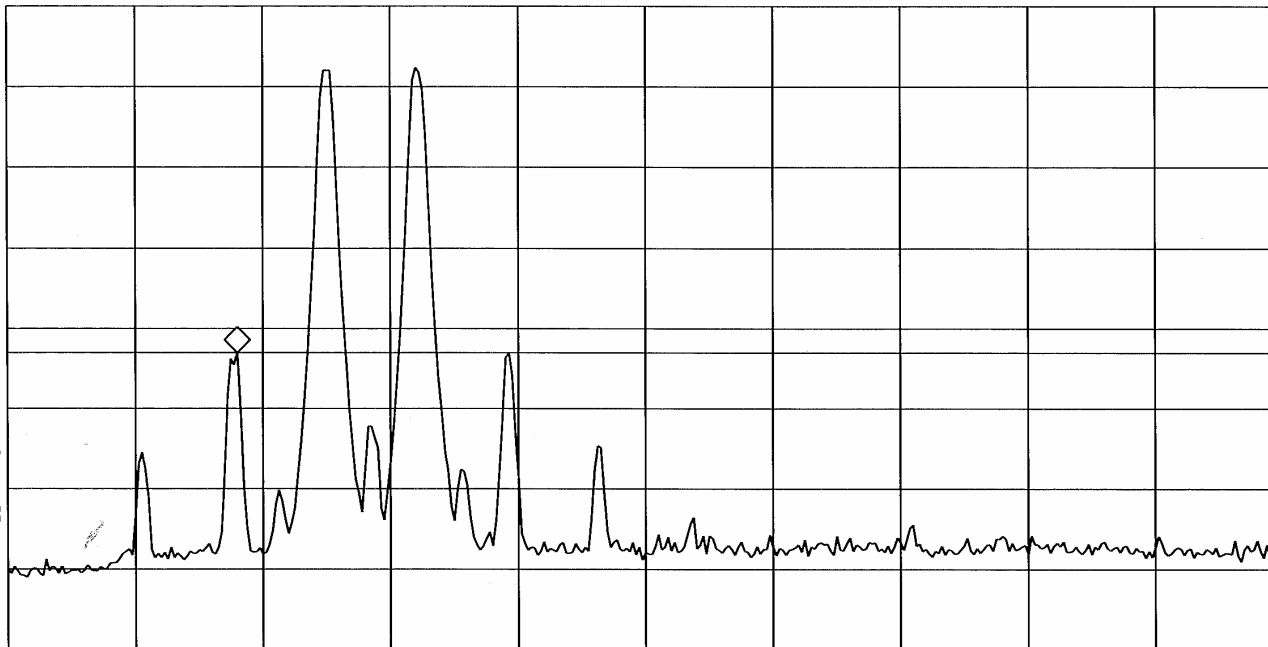
13: 14: 01 AUG 18, 2006

MKR 1.93260 GHz
-13.01 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.92000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.99000 GHz
SWP 20.0 msec

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EMISSIONS DATA SHEET

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Job No:	R-4609N-1		Technician:
		M.Seamans	
Date:	8/16/2006		

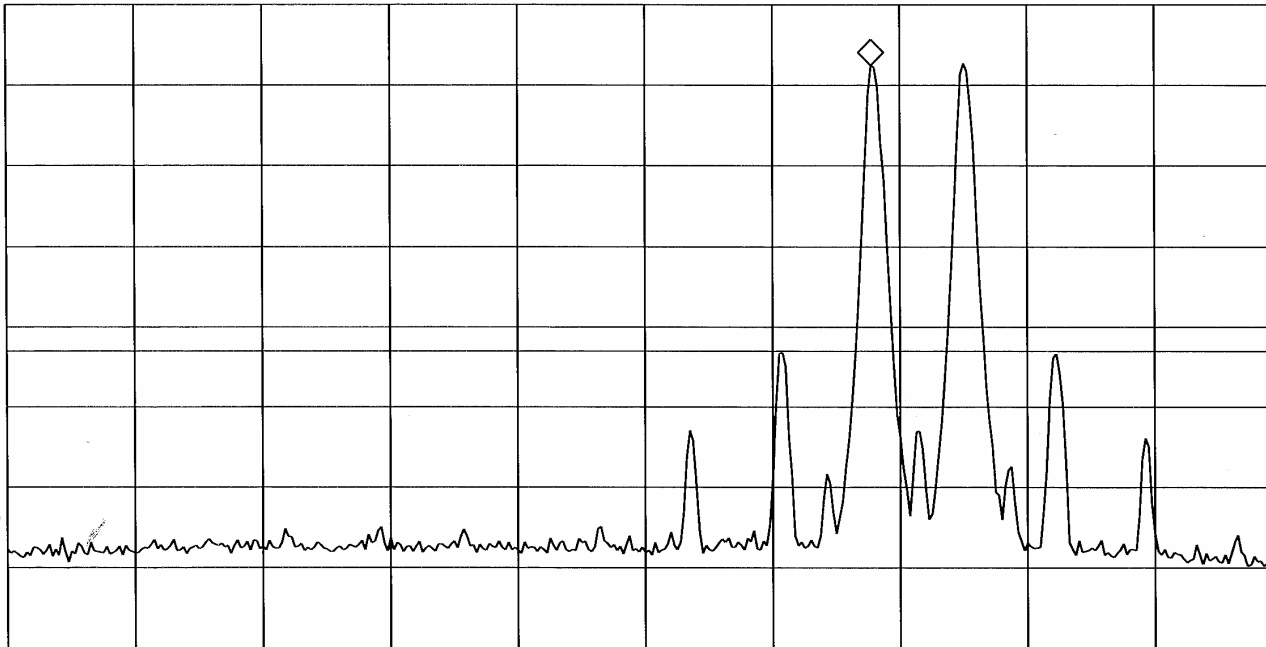
13: 22: 44 AUG 18, 2006

MKR 1.97743 GHz
22.41 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.93000 GHz
RES BW 300 kHz

#VBW 1 MHz

STOP 2.00000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Model No:	CSI-BDA51062-C/P	Serial No:	CC060002
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
	PCS Band -FM - Downlink		

13: 22: 44 AUG 18, 2006

REF 30.0 dBm

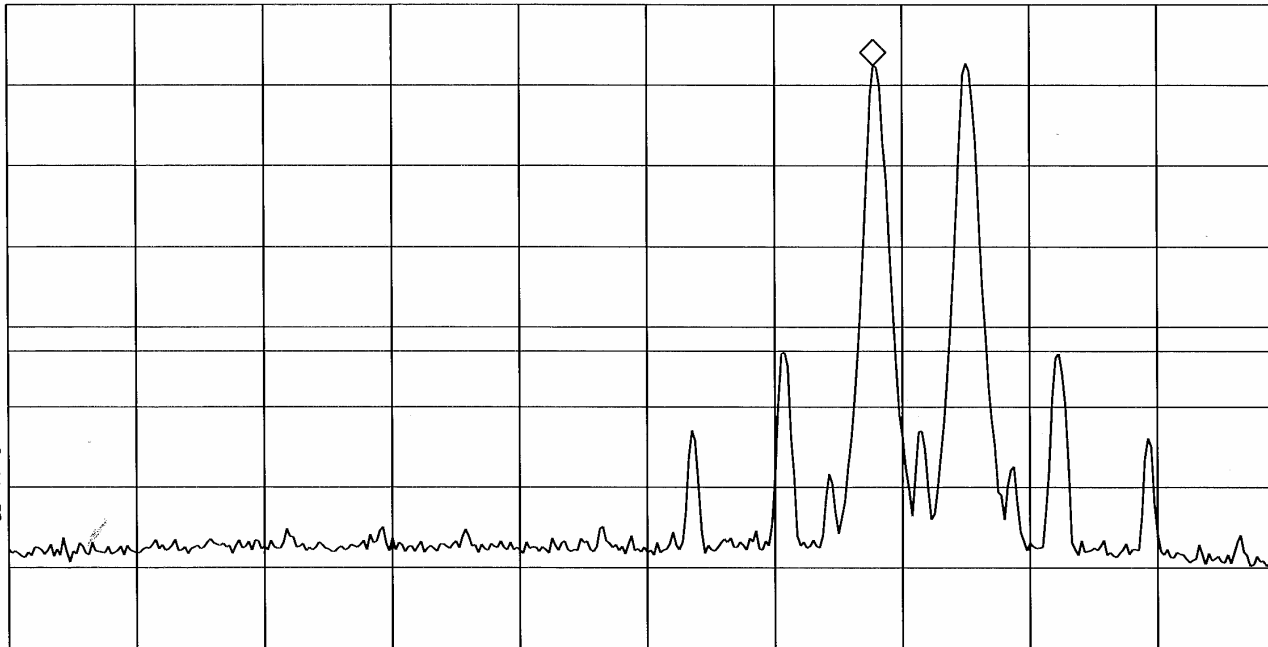
#AT 10 dB

MKR 1.97743 GHz

22.41 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.93000 GHz

RES BW 300 kHz

#VBW 1 MHz

STOP 2.00000 GHz

SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Model No:	CSI-BDA51062-C/P	Serial No:	CC060002
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -FM - Downlink		

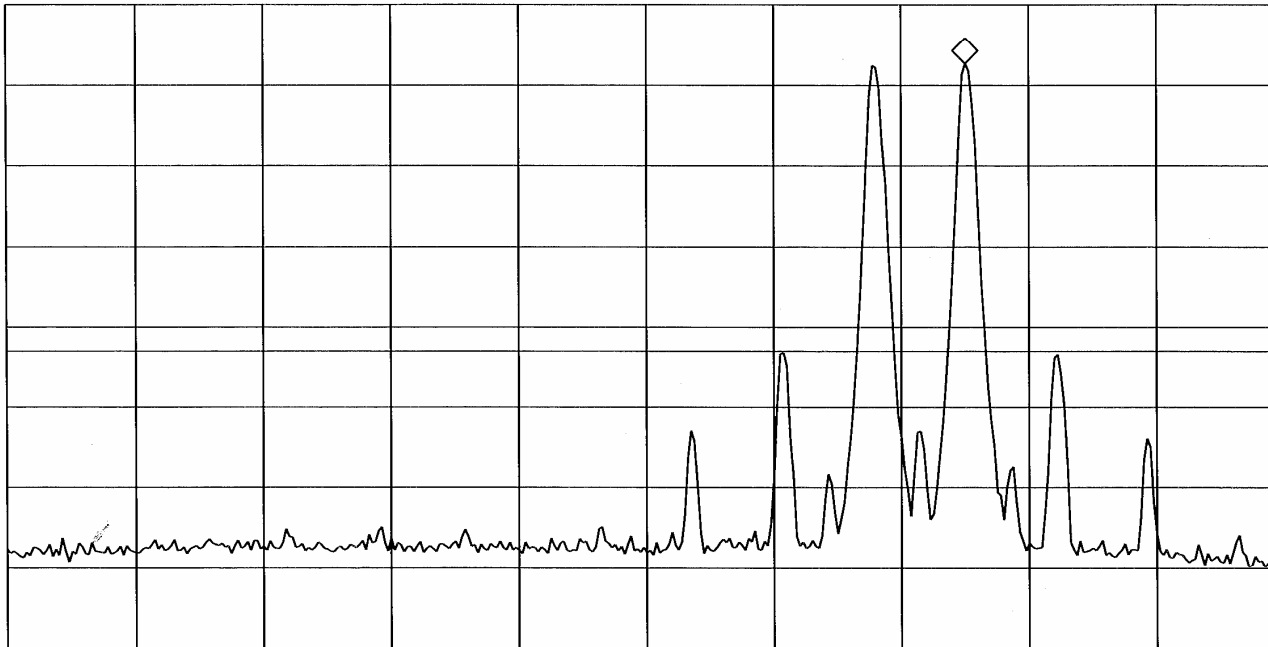
13: 22: 21 AUG 18, 2006

REF 30.0 dBm #AT 10 dB

MKR 1.98250 GHz
22.67 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.93000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 2.00000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -FM - Downlink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

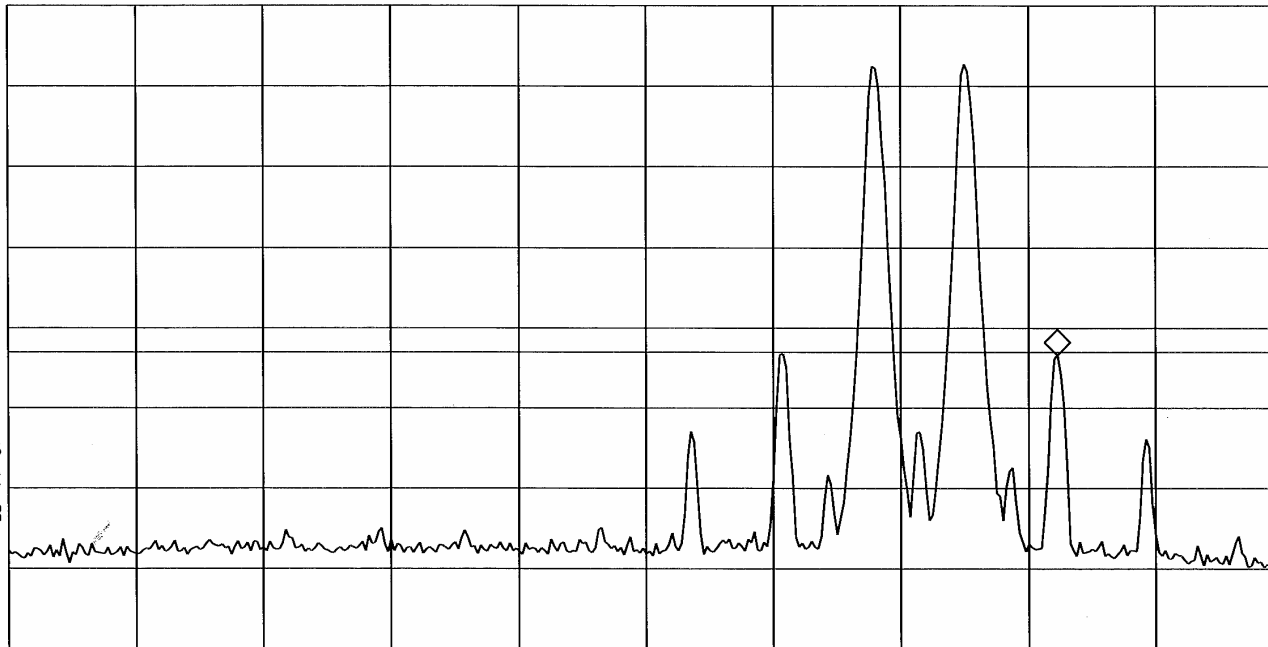
13:21:18 AUG 18, 2006

REF 30.0 dBm #AT 10 dB

MKR 1.98758 GHz
-13.38 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.93000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 2.00000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA51062-C/P	Serial No:	CC060002
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Uplink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

10:23:03 AUG 18, 2006

MKR 1.84228 GHz

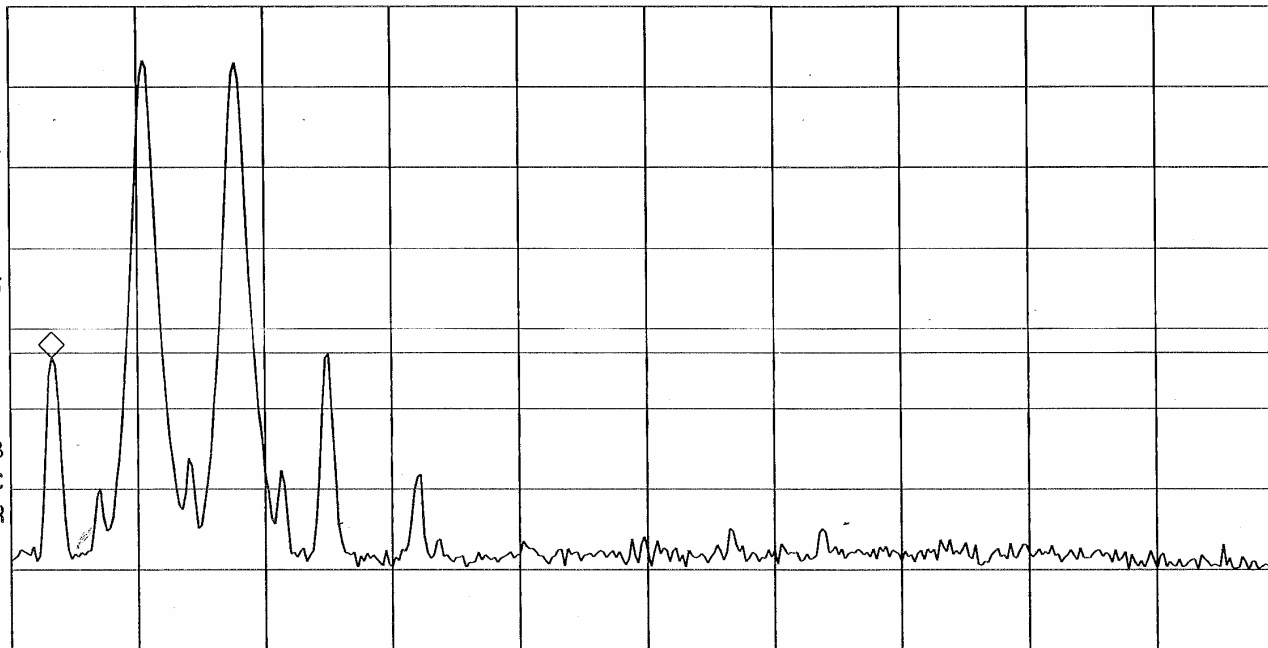
REF 30.0 dBm

#AT 10 dB

-13.58 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz

RES BW 300 kHz

#VBW 1 MHz

STOP 1.91000 GHz

SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Model No:	CSI-BDA51062-C/P	Serial No:	CC060002
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Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Uplink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

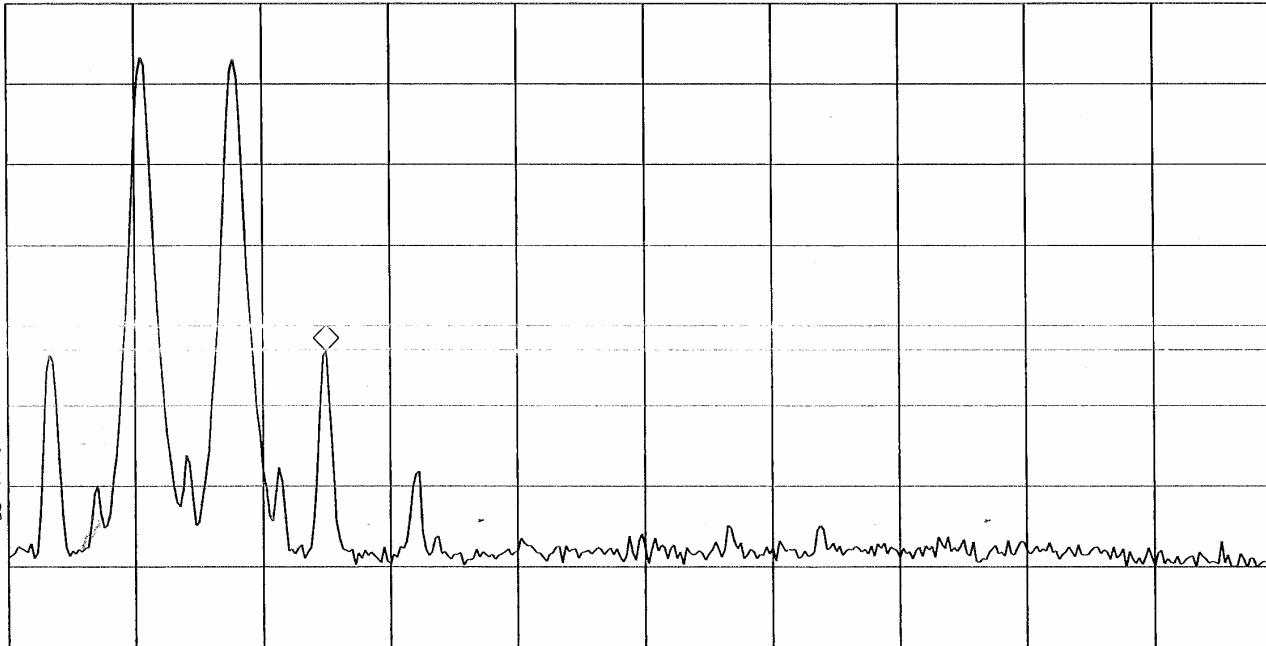
10: 24: 03 AUG 18, 2006

MKR 1.85750 GHz
-13.12 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.91000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Uplink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

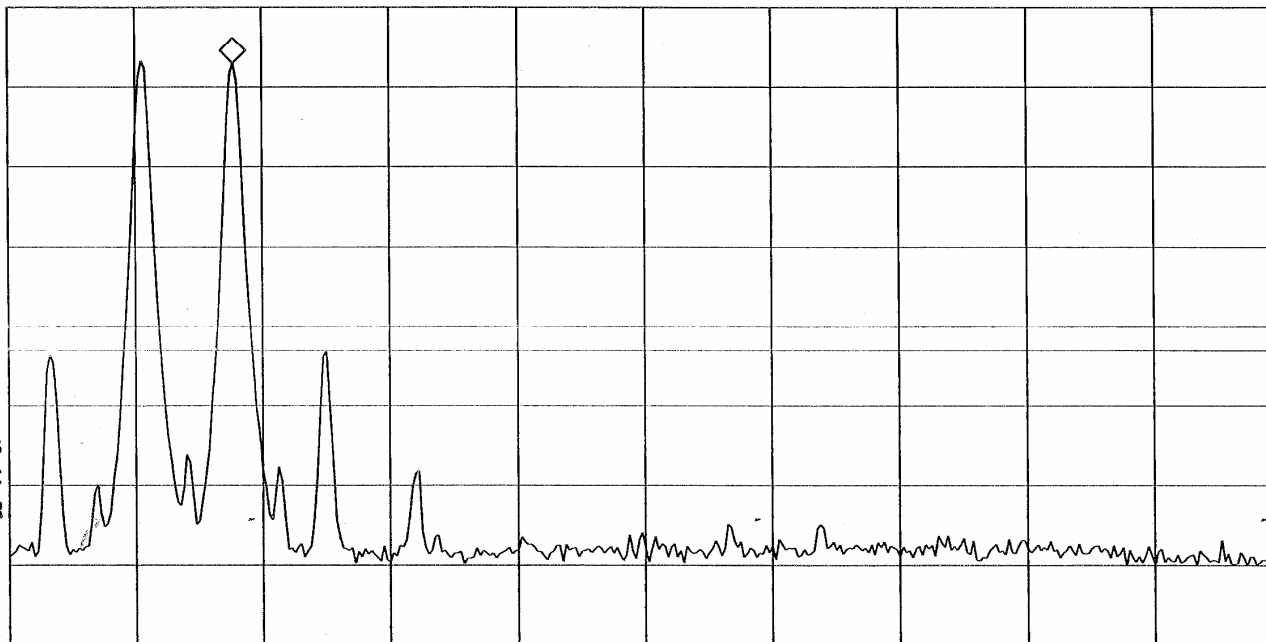
10: 23: 29 AUG 18, 2006

MKR 1.85243 GHz
22.96 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.91000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Model No:	CSI-BDA51062-C/P	Serial No:	CC060002
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Uplink		

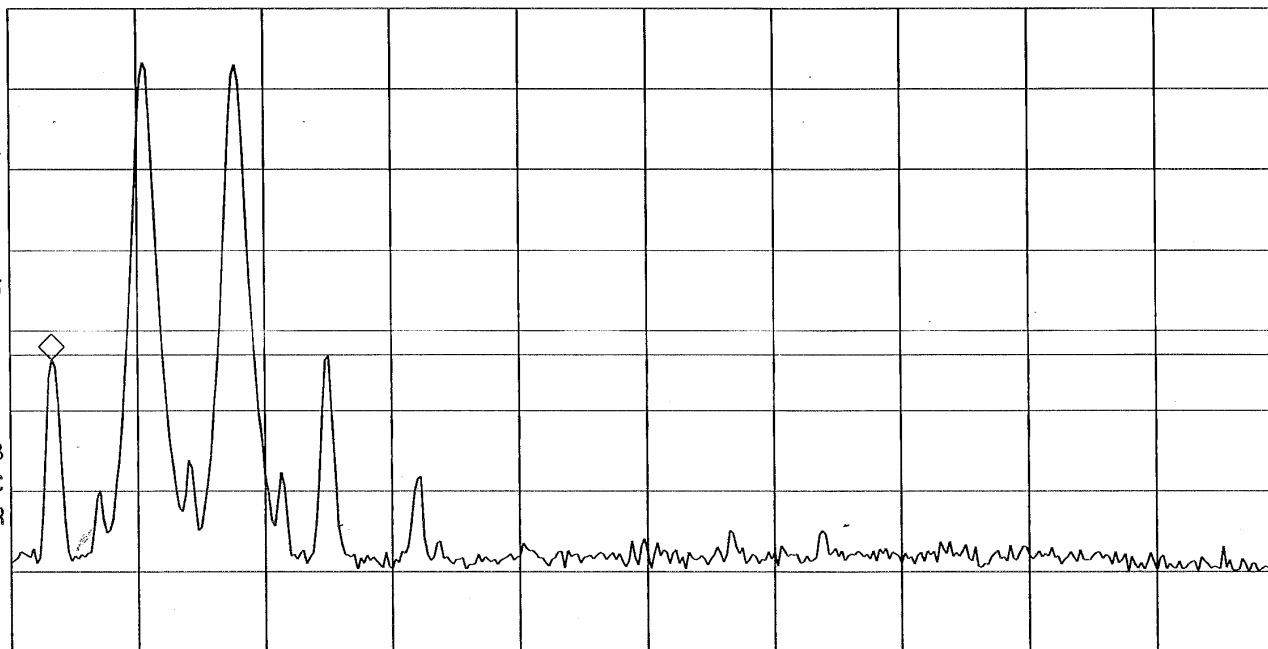
10: 23: 03 AUG 18, 2006

MKR 1.84228 GHz
-13.58 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz
RES BW 300 kHz

#VBW 1 MHz

STOP 1.91000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Uplink		
Job No:	R-4609N-1	Technician:	M.Seamans
Date:	8/16/2006		

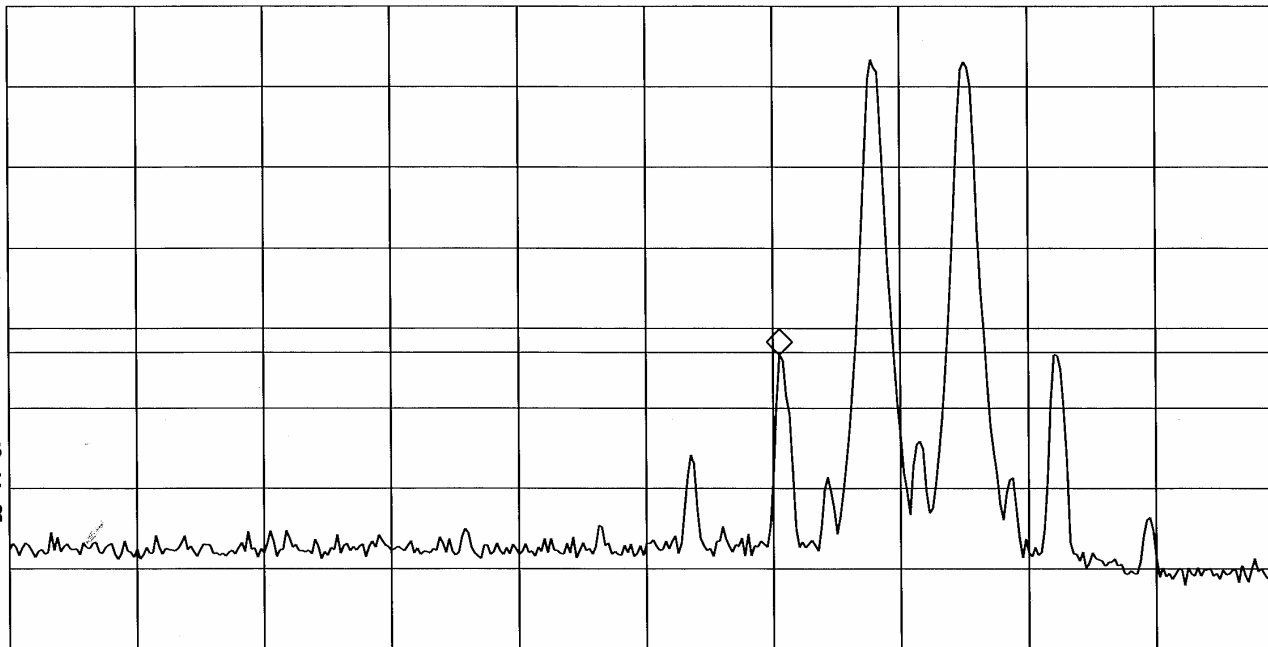
10: 43: 25 AUG 18, 2006

MKR 1.89235 GHz
-13.30 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.85000 GHz
RES BW 300 kHz

#VBW 1 MHz

STOP 1.92000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Test Specification:	FCC Part 2	Paragraph: 2.1047	Date:
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Uplink		
Job No:	R-4609N-1		
Technician:	M.Seamans		

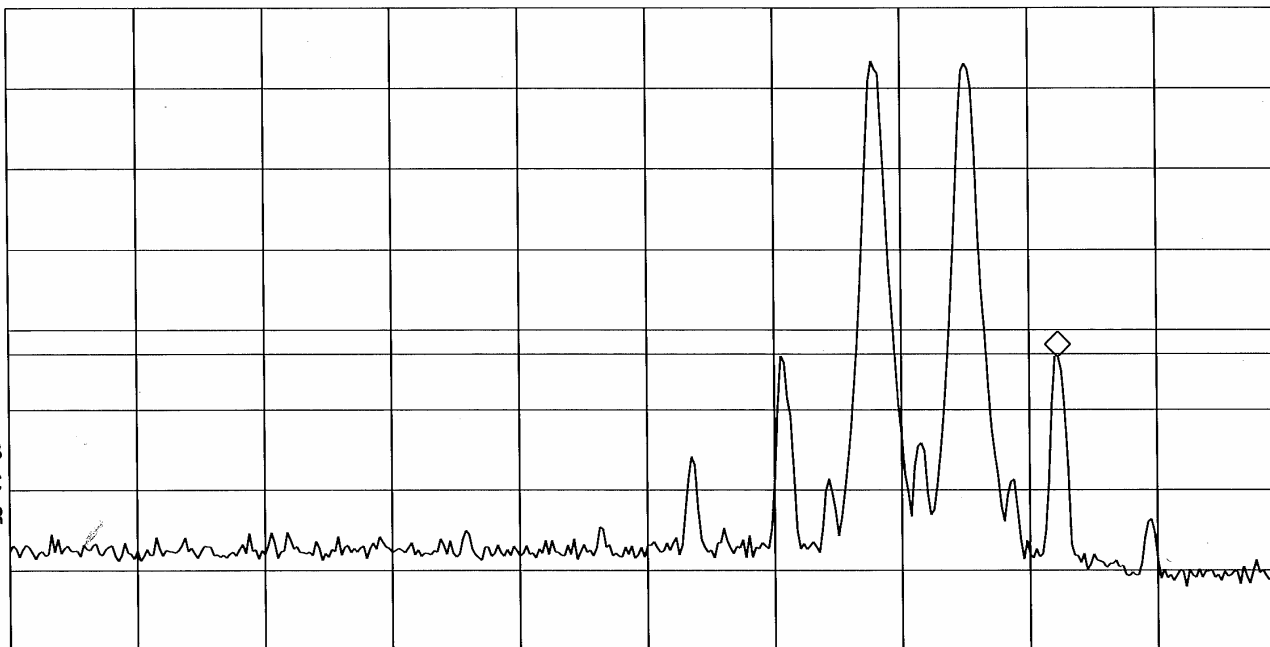
10: 44: 58 AUG 18, 2006

MKR 1.90758 GHz
-13.41 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.85000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.92000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Uplink		

10: 44: 30 AUG 18, 2006

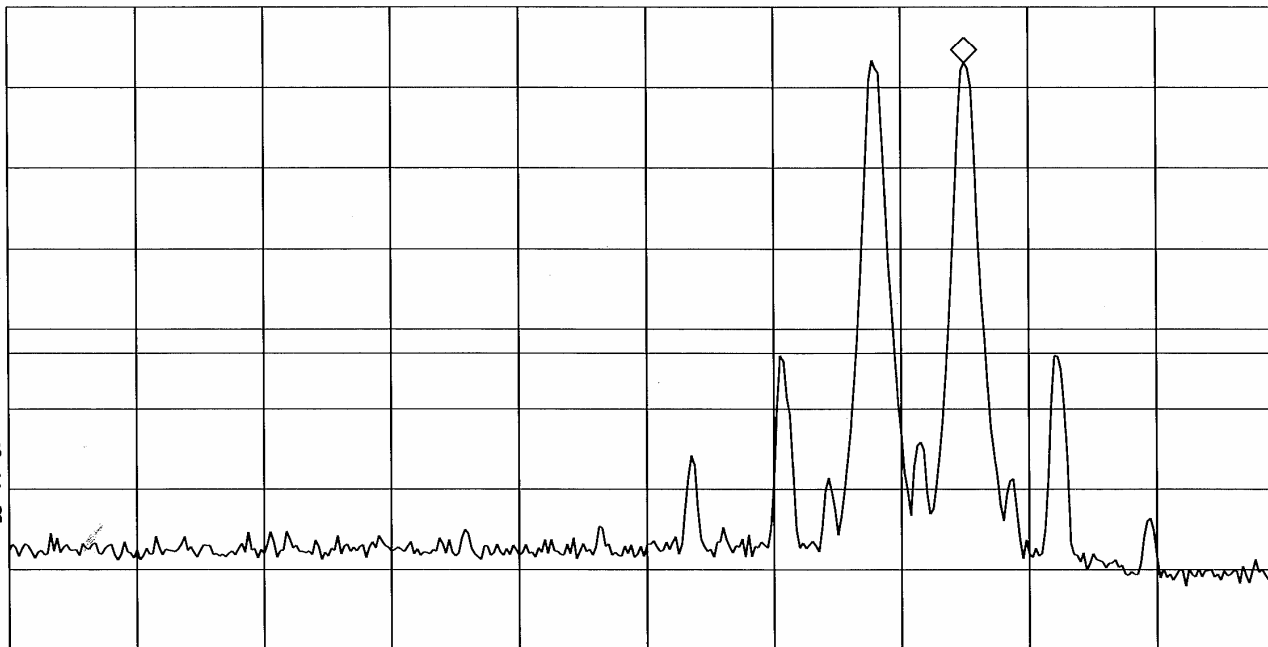
MKR 1.90250 GHz

REF 30.0 dBm #AT 10 dB

23.03 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.85000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.92000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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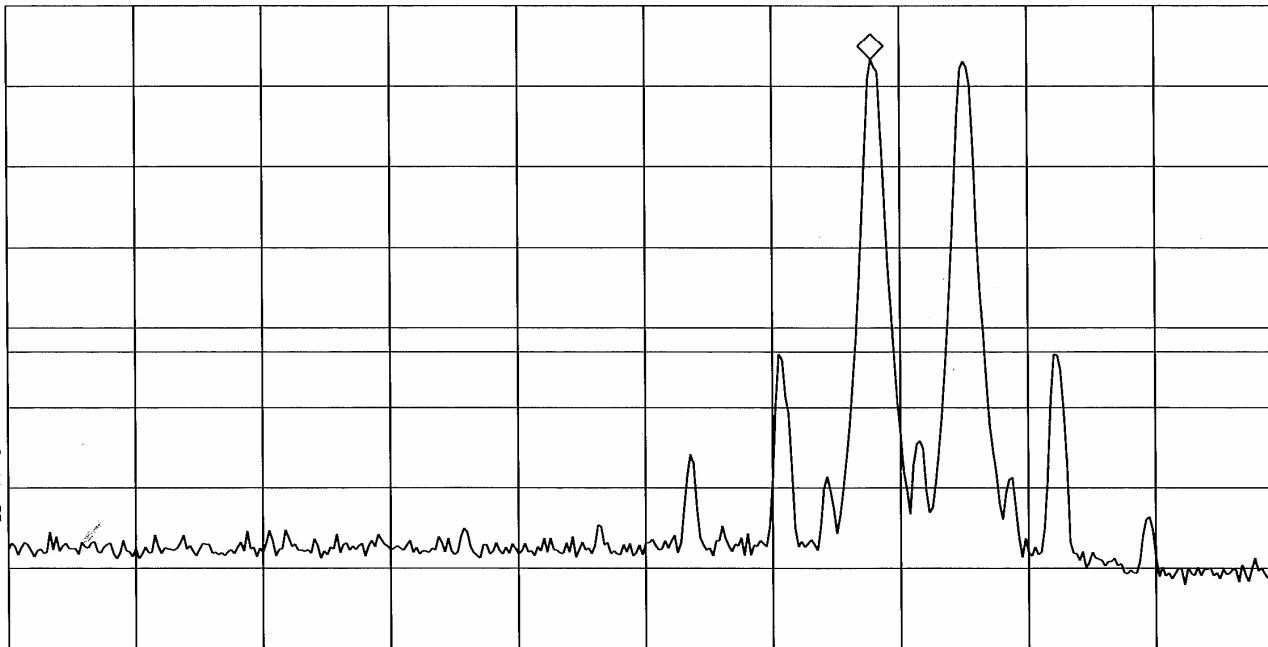
10: 43: 44 AUG 18, 2006

MKR 1.89743 GHz
23.33 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.85000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.92000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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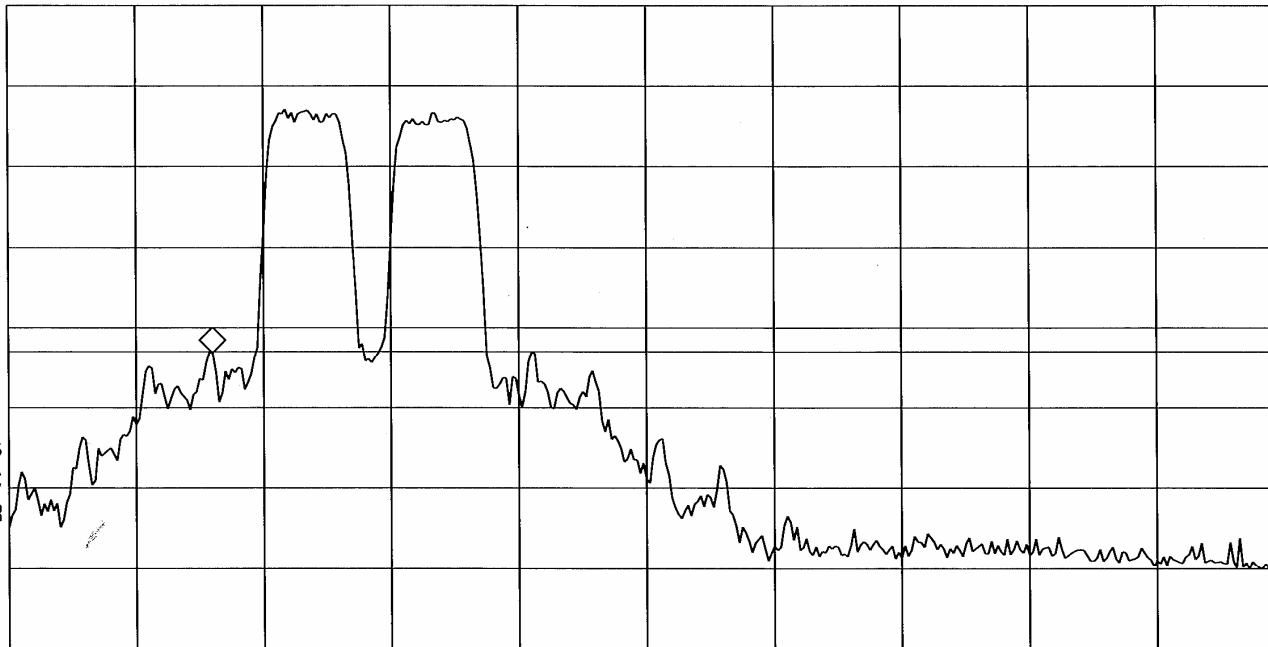
11: 12: 47 AUG 18, 2006

MKR 1.85120 GHz
-13.15 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.91000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Uplink		

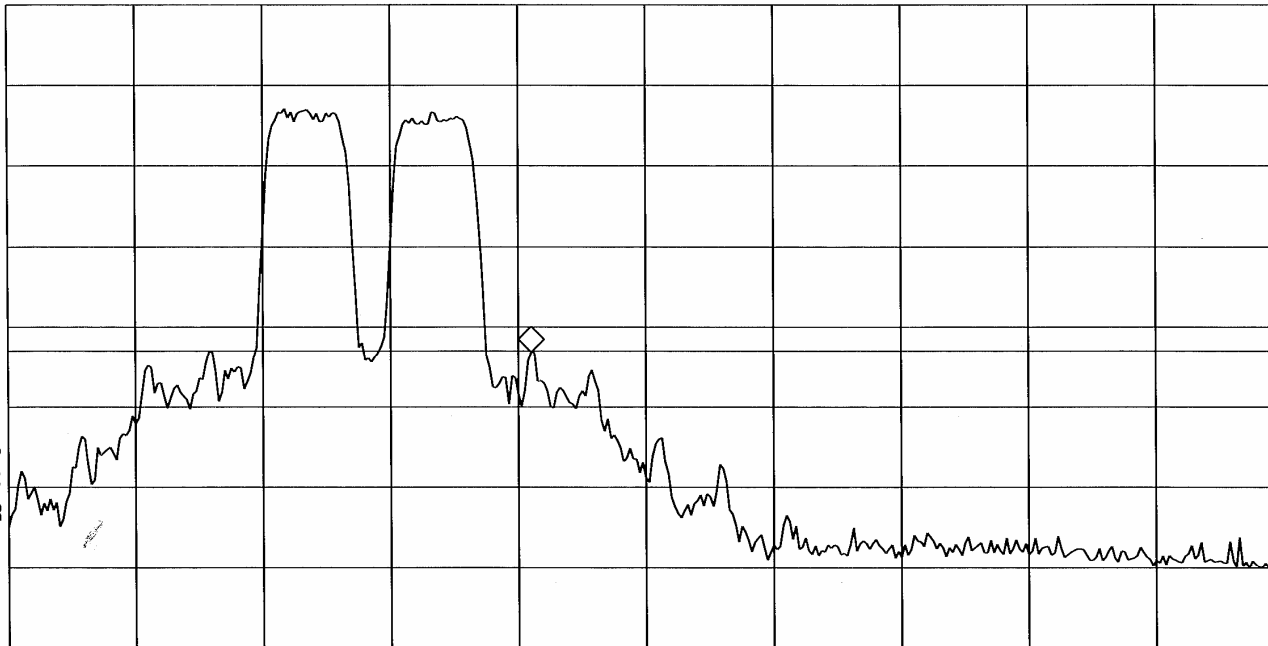
11: 13: 52 AUG 18, 2006

MKR 1.86870 GHz
-13.13 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz
RES BW 300 KHz

#VBW 1 MHz

STOP 1.91000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Uplink		

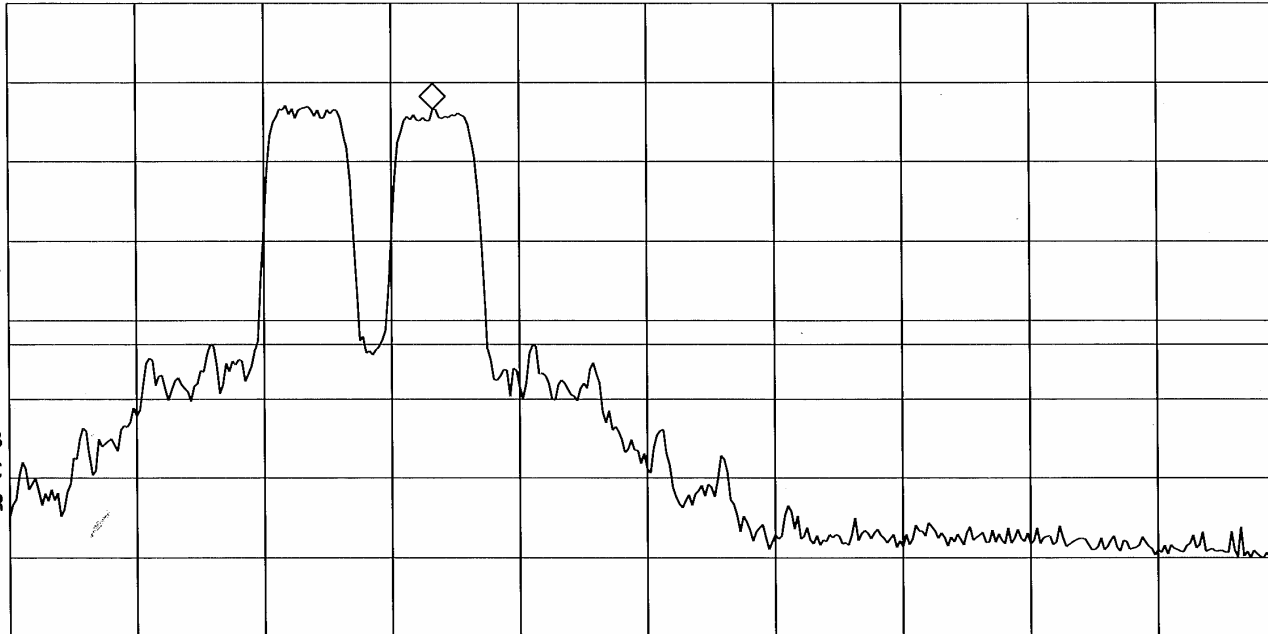
11: 13: 35 AUG 18, 2006

MKR 1.86328 GHz
16.69 dBm

REF 30.0 dBm #AT 10 dB

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz
RES BW 300 kHz

#VBW 1 MHz

STOP 1.91000 GHz
SWP 20.0 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Uplink		

11: 13: 26 AUG 18, 2006

MKR 1.85523 GHz

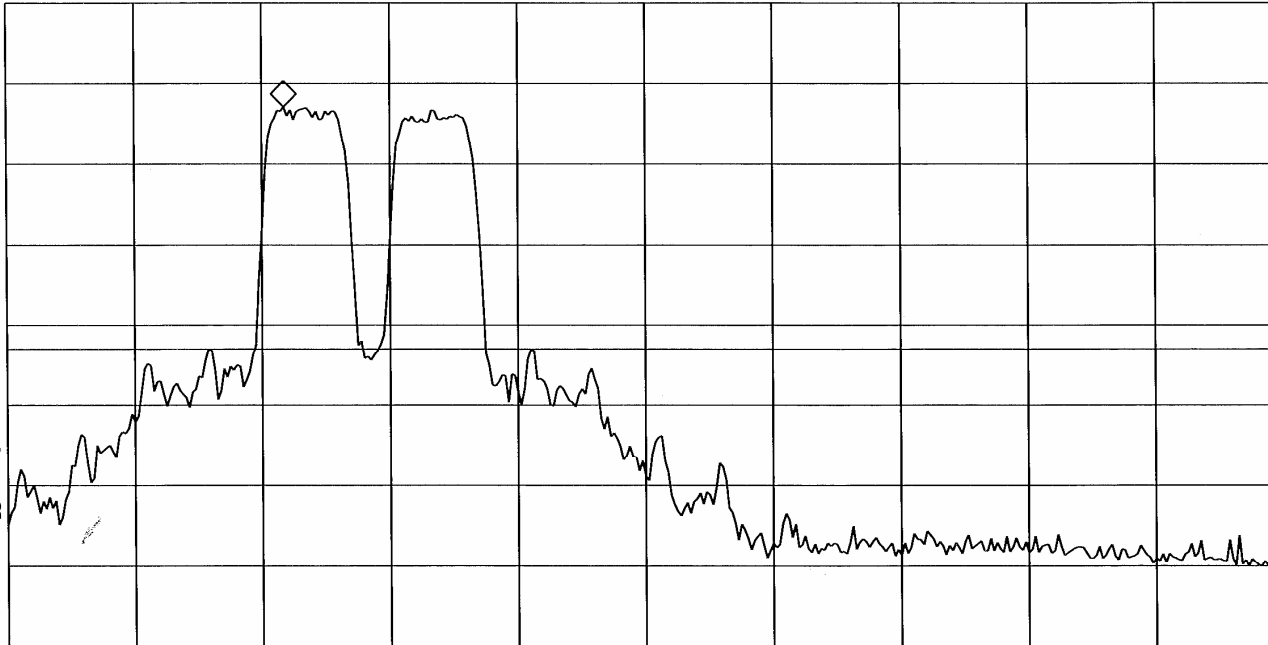
REF 30.0 dBm

#AT 10 dB

17.13 dBm

PEAK
LOG
10
dB/
OFFST
30.0
dB
DL
-13.0
dBm

VA SB
SC FC
CORR



START 1.84000 GHz

RES BW 300 KHz

#VBW 1 MHz

STOP 1.91000 GHz

SWP 20.0 msec