

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

16: 17: 13 AUG 10, 2006

REF 30.0 dBm

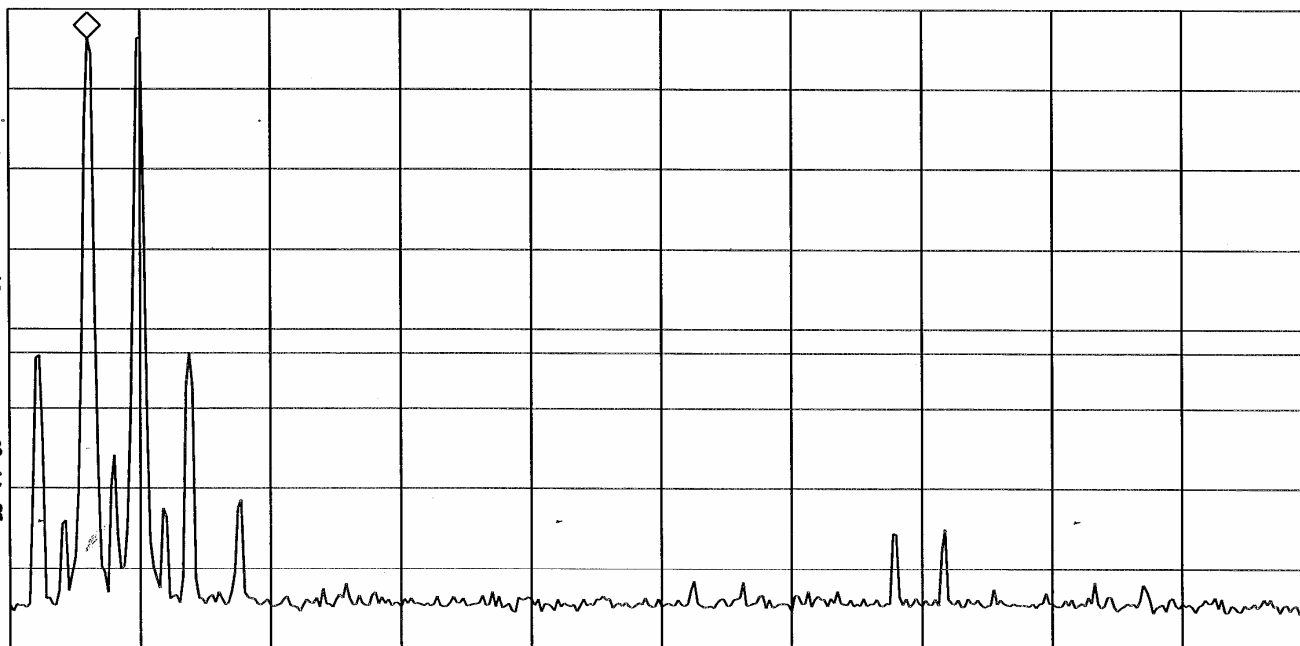
AT 10 dB

MKR 824.56 MHz

26.39 dBm

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

VA SB
SC FC
CORR



START 823.00 MHz

#RES BW 30 KHz

#VBW 100 KHz

STOP 849.00 MHz

SWP 86.7 msec

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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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -FM - Uplink		

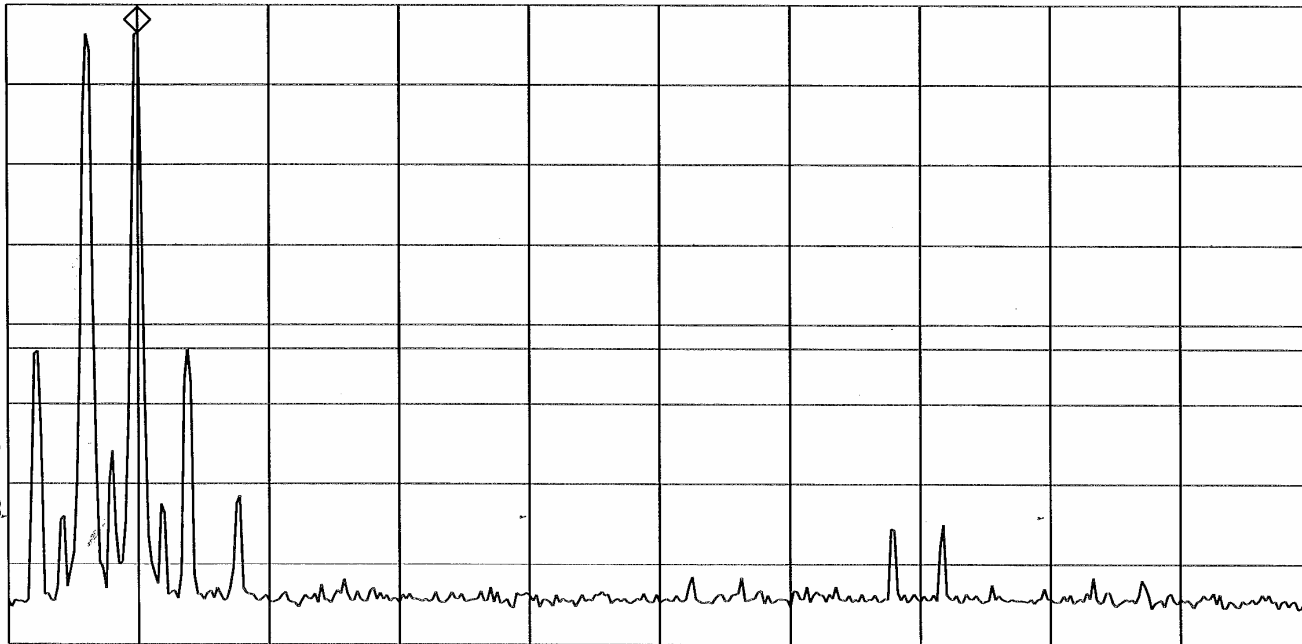
16: 17: 24 AUG 10, 2006

MKR 825.60 MHz
26.56 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 823.00 MHz
#RES BW 30 KHz

#VBW 100 KHz

STOP 849.00 MHz
SWP 86.7 msec

RETLIF TESTING LABORATORIES

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

16: 09:38 AUG 10, 2006

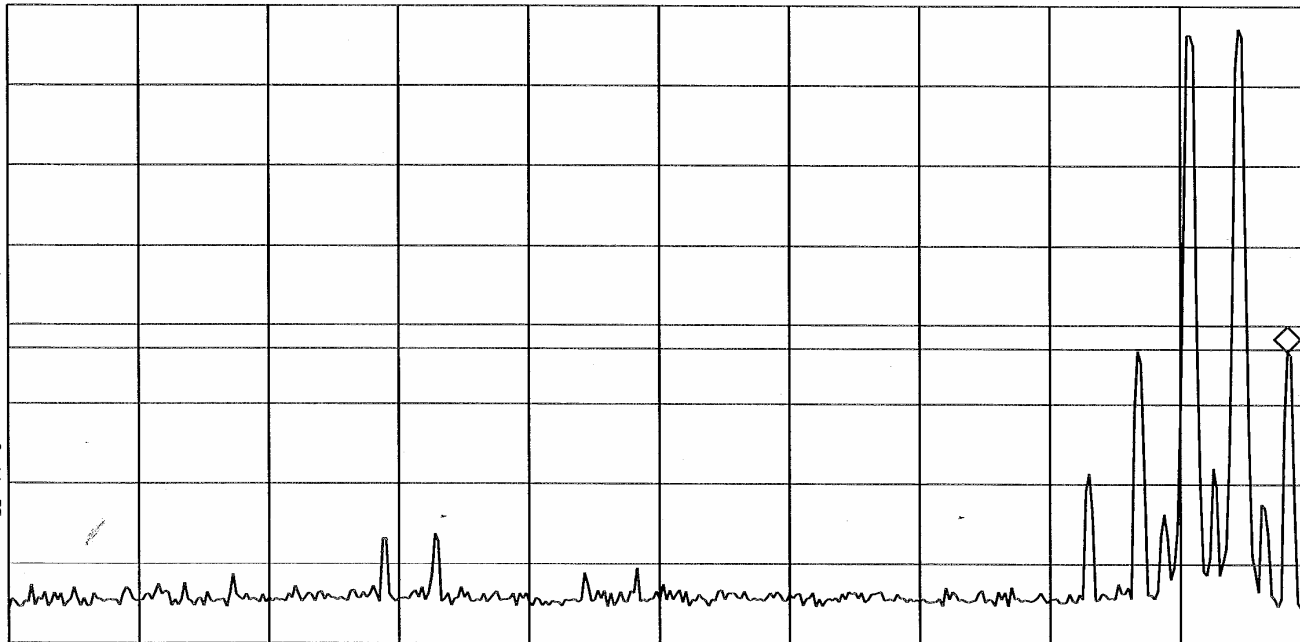
REF 30.0 dBm

AT 10 dB

MKR 849.55 MHz
-13.30 dBm

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

VA SB
SC FC
CORR



CENTER 837.00 MHz
#RES BW 30 KHz

#VBW 100 KHz

SPAN 26.00 MHz
SWP 86.7 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:	Amps Band -FM - Uplink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

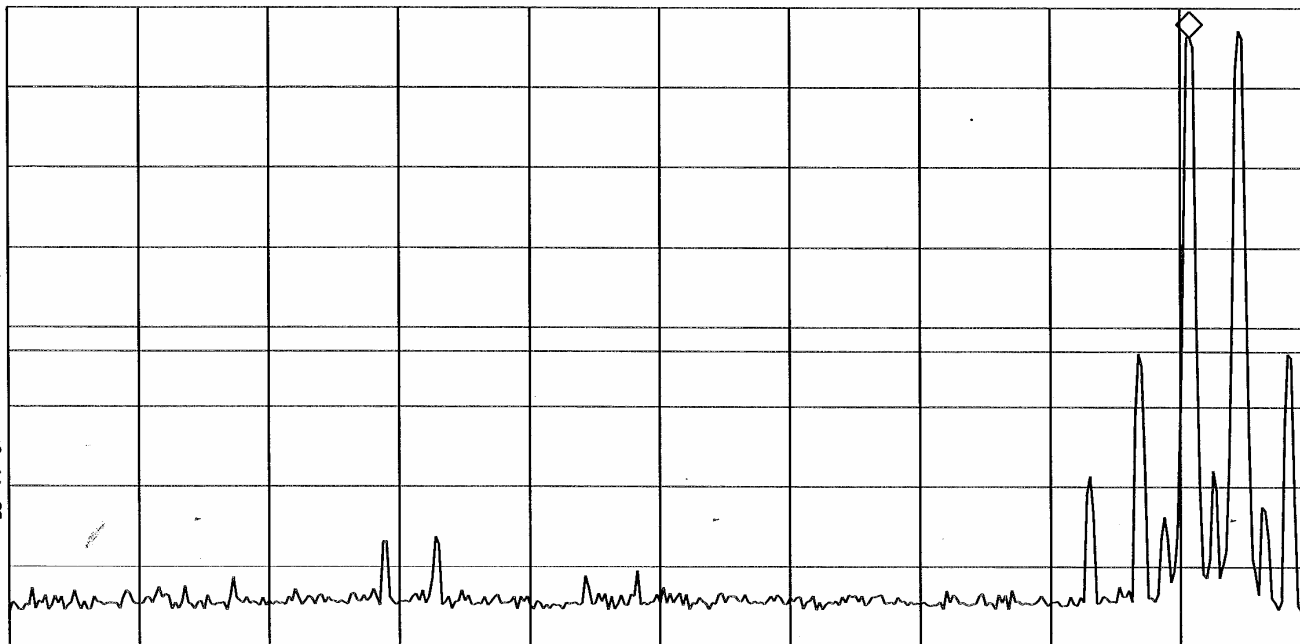
16: 10: 08 AUG 10, 2006

MKR 847.60 MHz
26.39 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



CENTER 837.00 MHz
#RES BW 30 kHz

#VBW 100 kHz

SPAN 26.00 MHz
SWP 86.7 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:	Amps Band -FM - Uplink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

16: 10: 22 AUG 10, 2006

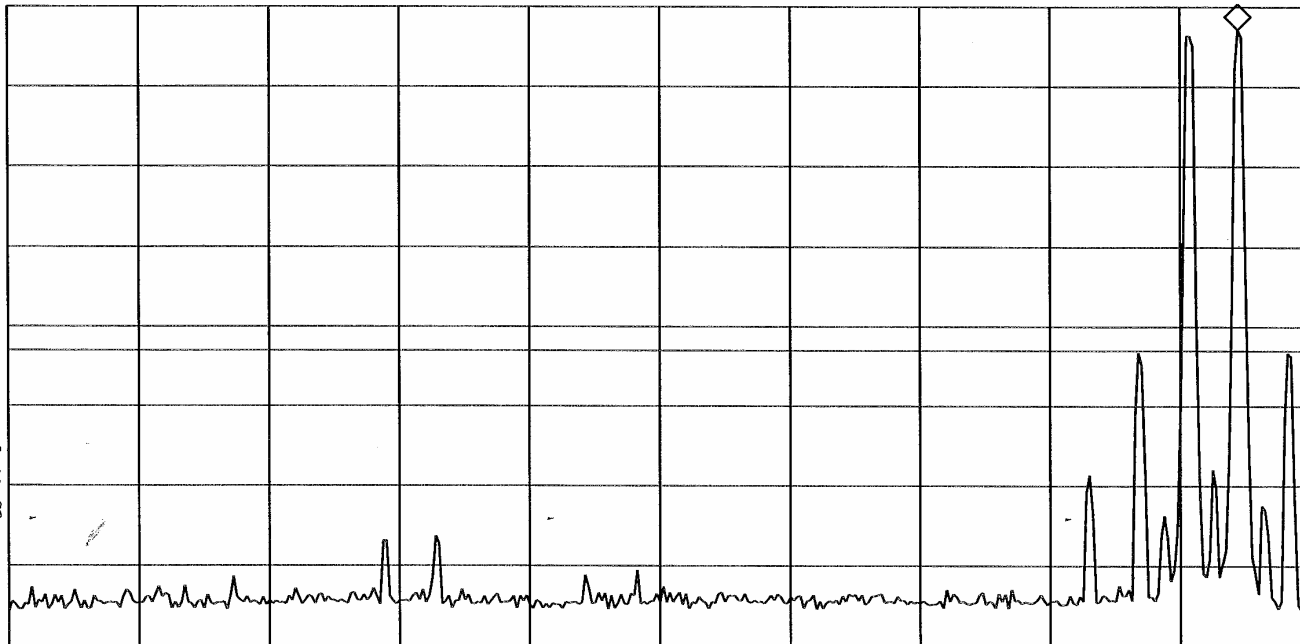
REF 30.0 dBm

AT 10 dB

MKR 848.57 MHz
27.19 dBm

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

VA SB
SC FC
CORR



CENTER 837.00 MHz
#RES BW 30 KHz

#VBW 100 KHz

SPAN 26.00 MHz
SWP 86.7 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
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -FM - Uplink		
Job No:	R-4609N-1		Technician:
		M.Seamans	
Date:	8/16/2006		

16: 09:54 AUG 10, 2006

REF 30.0 dBm

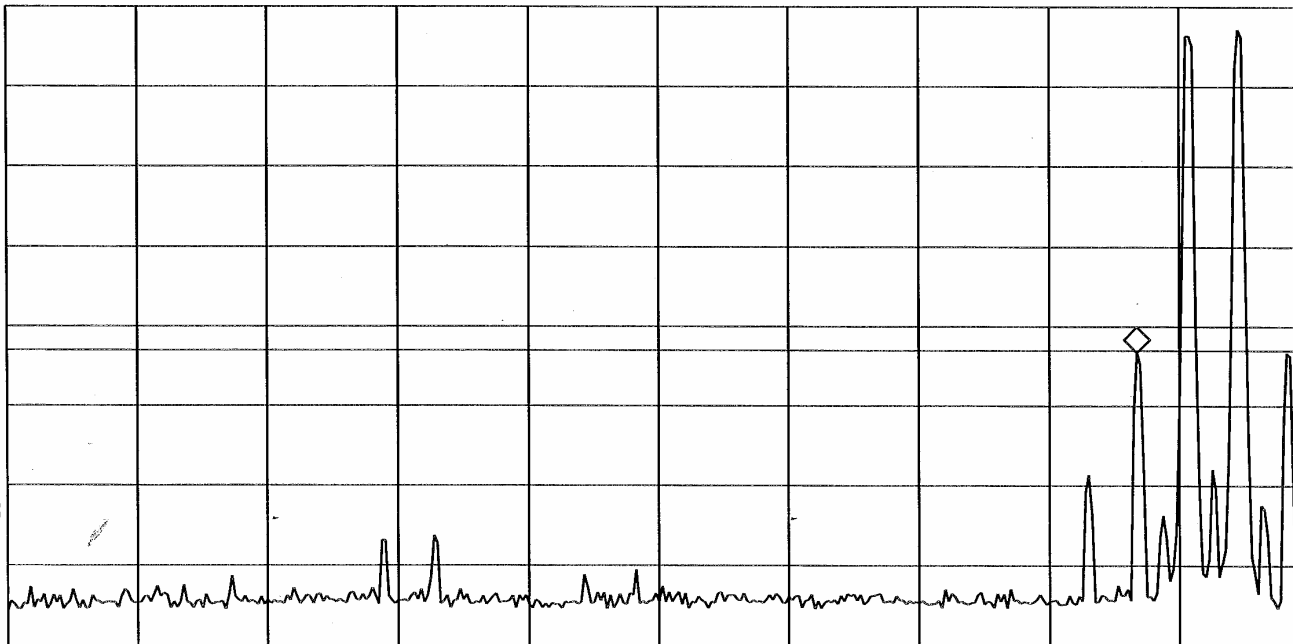
AT 10 dB

MKR 846.56 MHz

-13.24 dBm

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

VA SB
SC FC
CORR



CENTER 837.00 MHz

#RES BW 30 kHz

#VBW 100 kHz

SPAN 26.00 MHz

SWP 86.7 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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
	PCS Band -TDMA - Downlink		

13: 10: 35 AUG 18, 2006

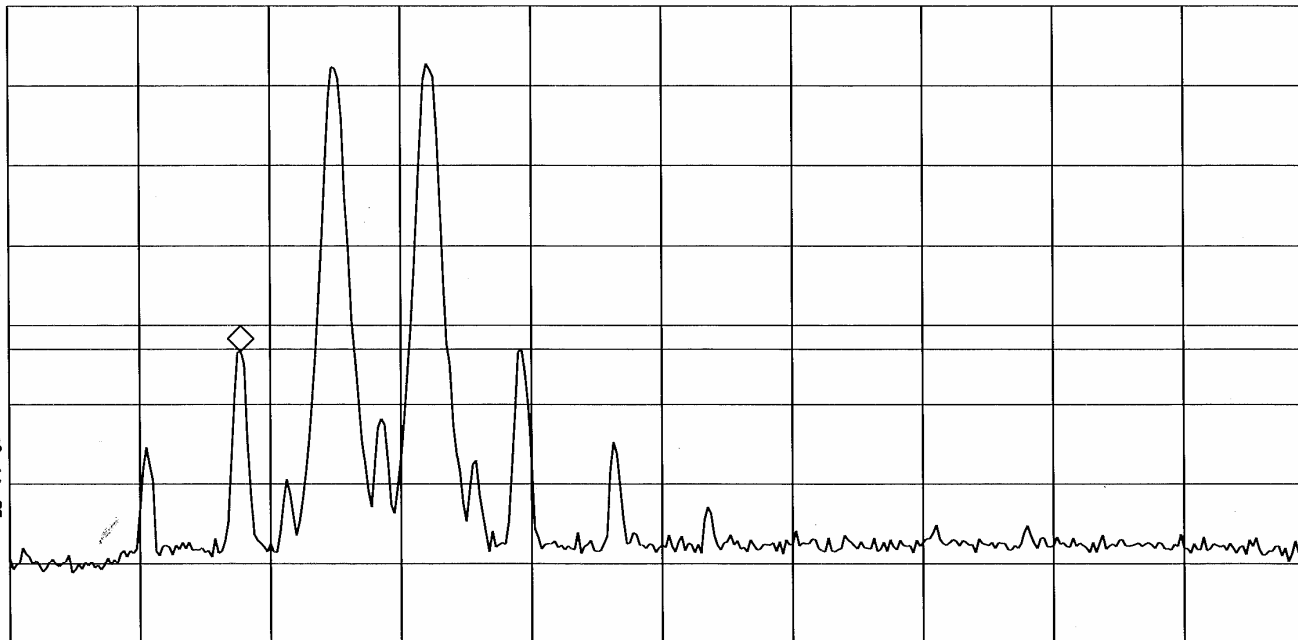
MKR 1.93243 GHz

REF 30.0 dBm #AT 10 dB

-13.28 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

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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Downlink		

13: 10: 21 AUG 18, 2006

MKR 1.93733 GHz

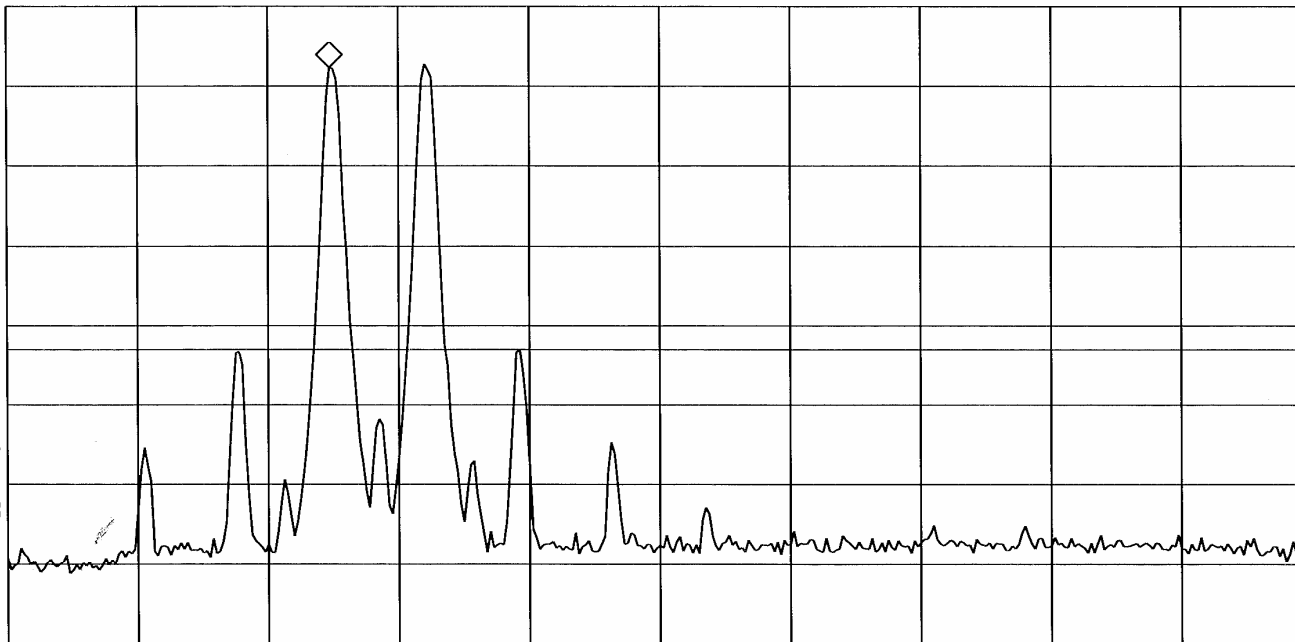
REF 30.0 dBm

#AT 10 dB

22.28 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

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

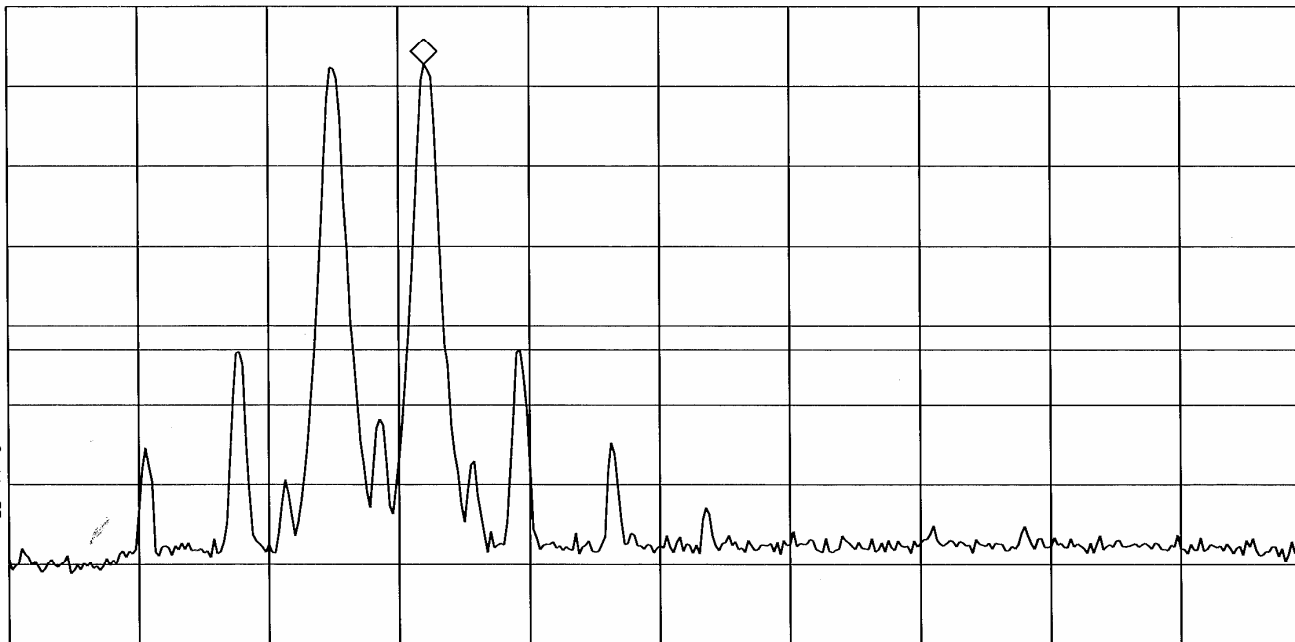
13: 10: 09 AUG 18, 2006

MKR 1.94240 GHz
22.71 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

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

13: 09: 47 AUG 18, 2006

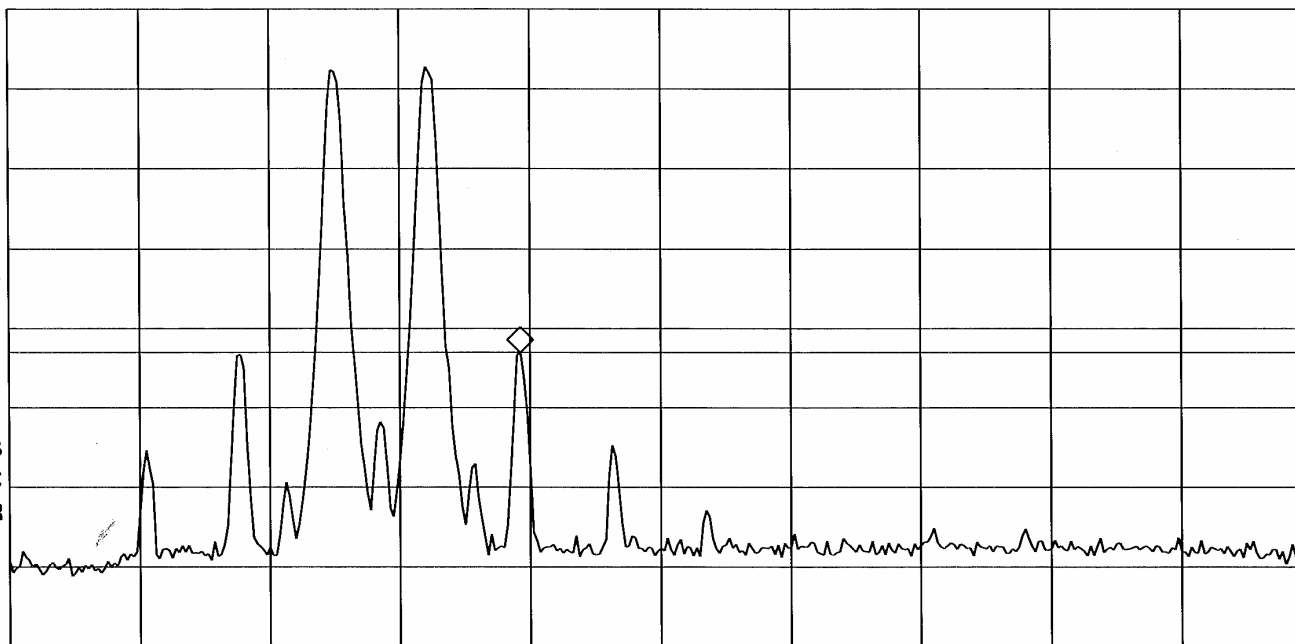
MKR 1.94748 GHz

REF 30.0 dBm #AT 10 dB

-13.03 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

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

13: 26: 47 AUG 18, 2006

REF 30.0 dBm

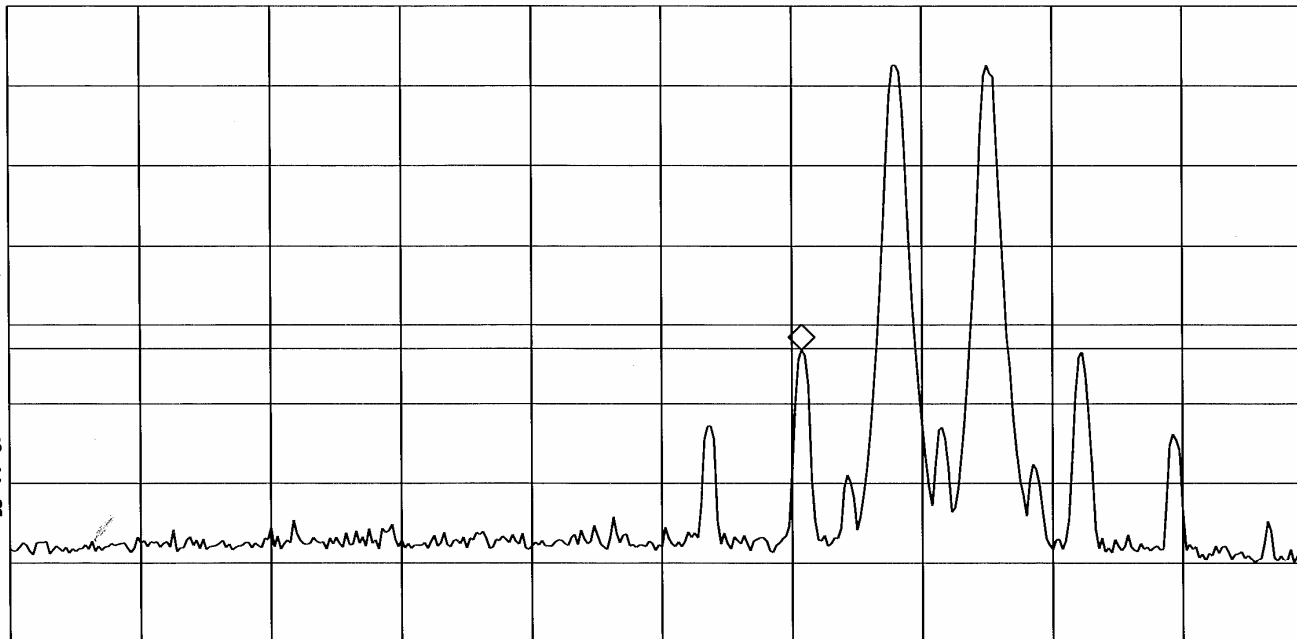
#AT 10 dB

MKR 1.97253 GHz

-13.16 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 - Downlink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

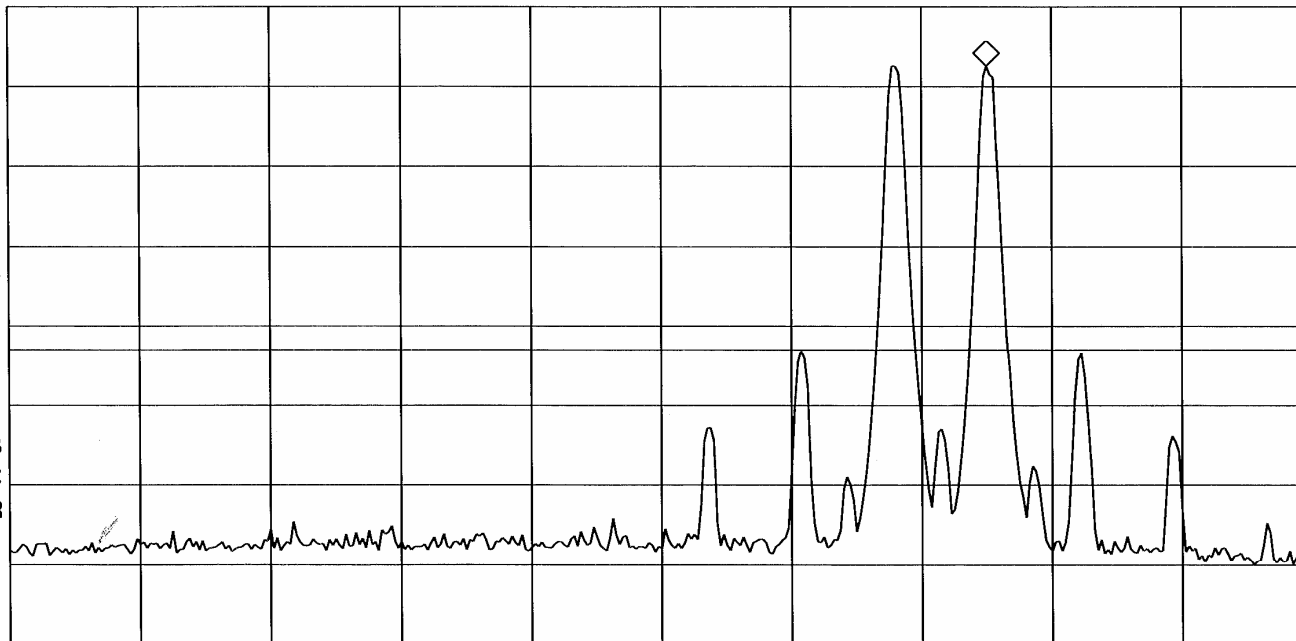
13: 25: 21 AUG 18, 2006

MKR 1.98250 GHz
22.53 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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Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Downlink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

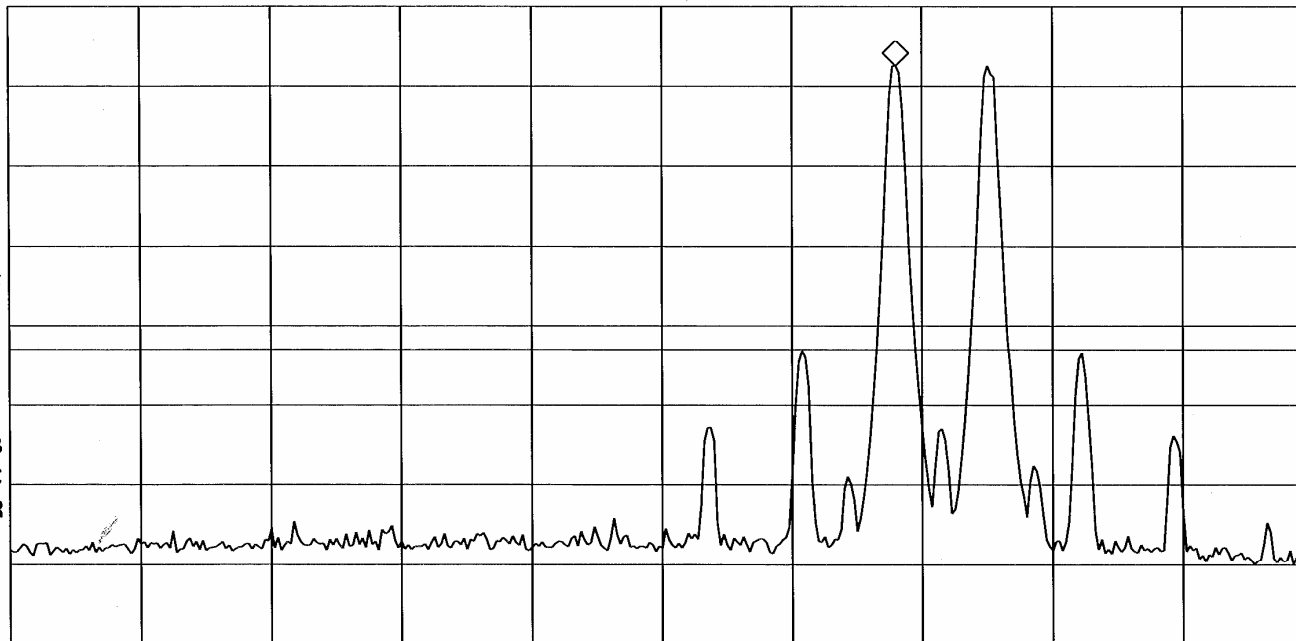
13: 25: 39 AUG 18, 2006

MKR 1.97760 GHz
22.52 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
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -TDMA - Downlink		
Job No:	R-4609N-1		Technician:
		M.Seamans	Date:
		8/16/2006	

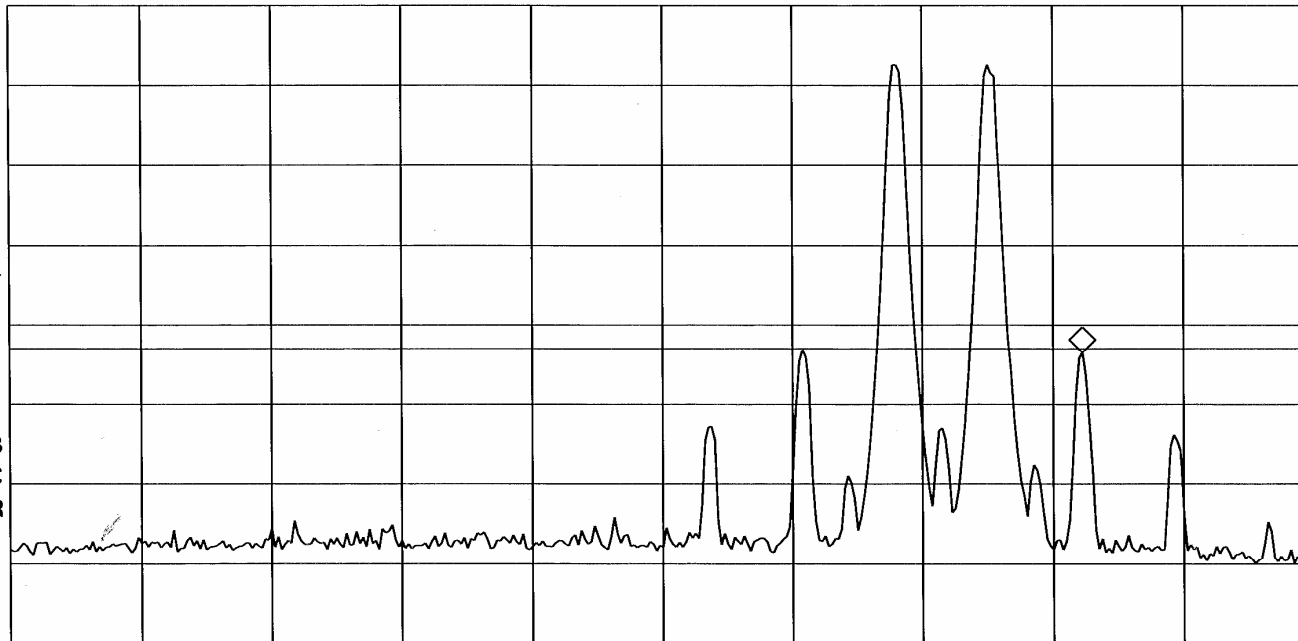
13: 24: 58 AUG 18, 2006

REF 30.0 dBm #AT 10 dB

MKR 1.98758 GHz
-13.47 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	Date:
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		
Job No:	R-4609N-1		
Technician:	M.Seamans		

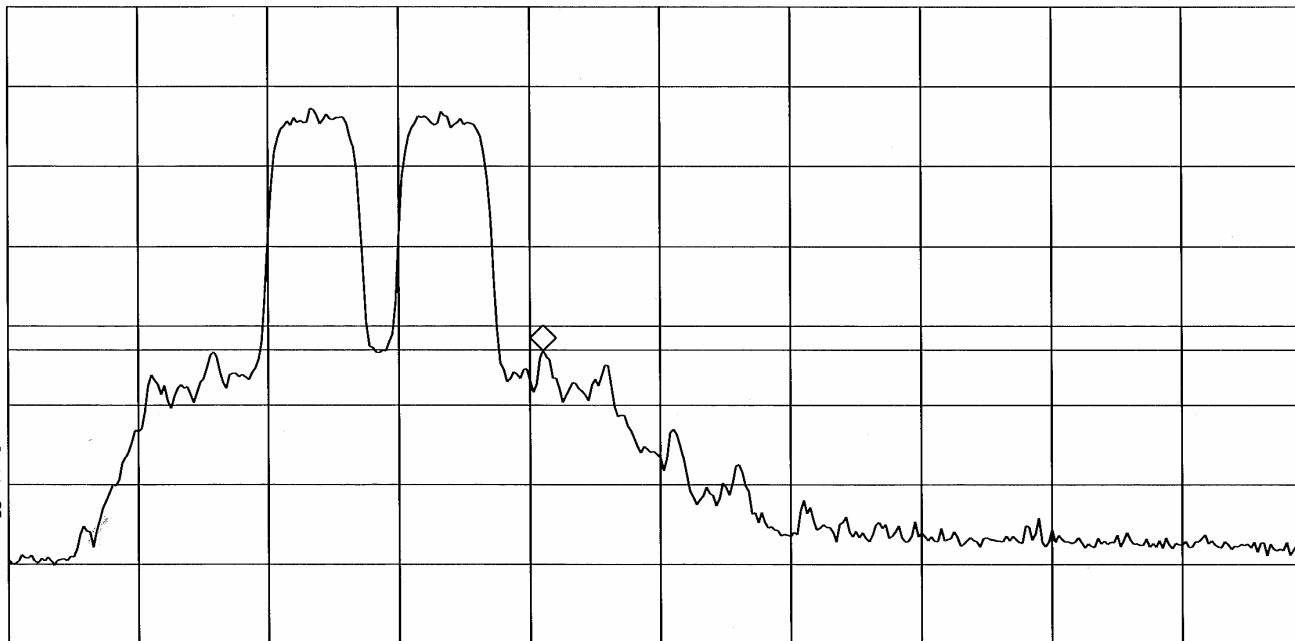
12: 47: 16 AUG 18, 2006

MKR 1.94870 GHz
-13.08 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

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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		

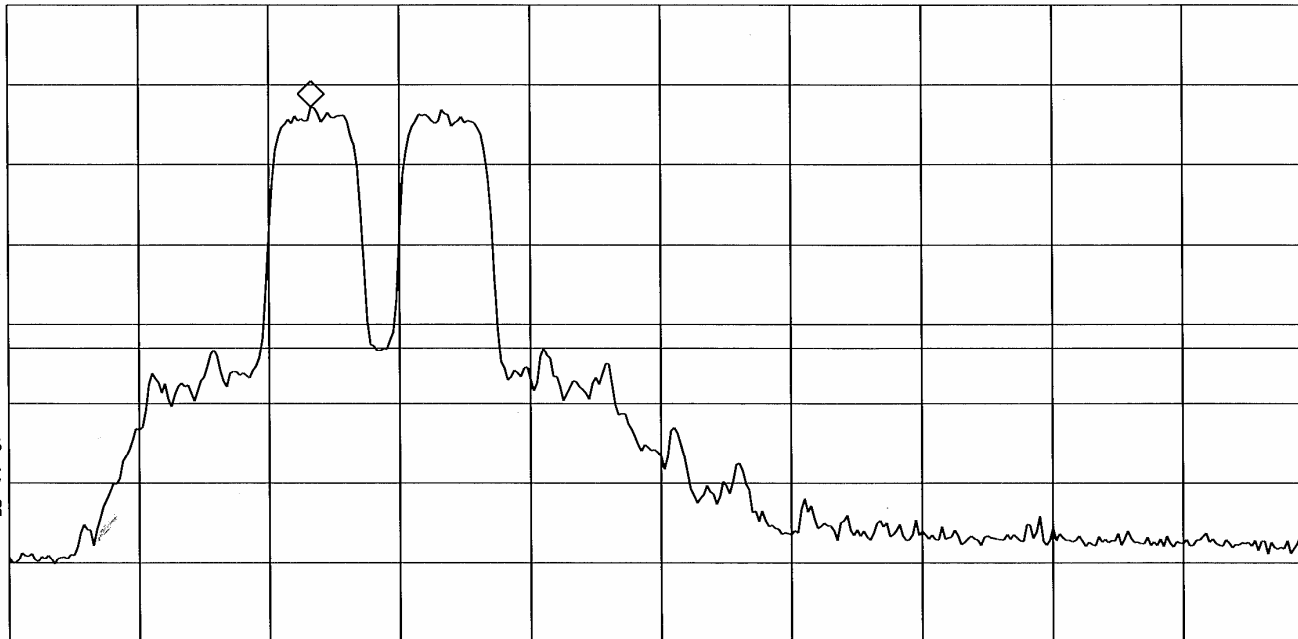
12: 47: 41 AUG 18, 2006

MKR 1.93628 GHz
17.29 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

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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		

12: 48: 06 AUG 18, 2006

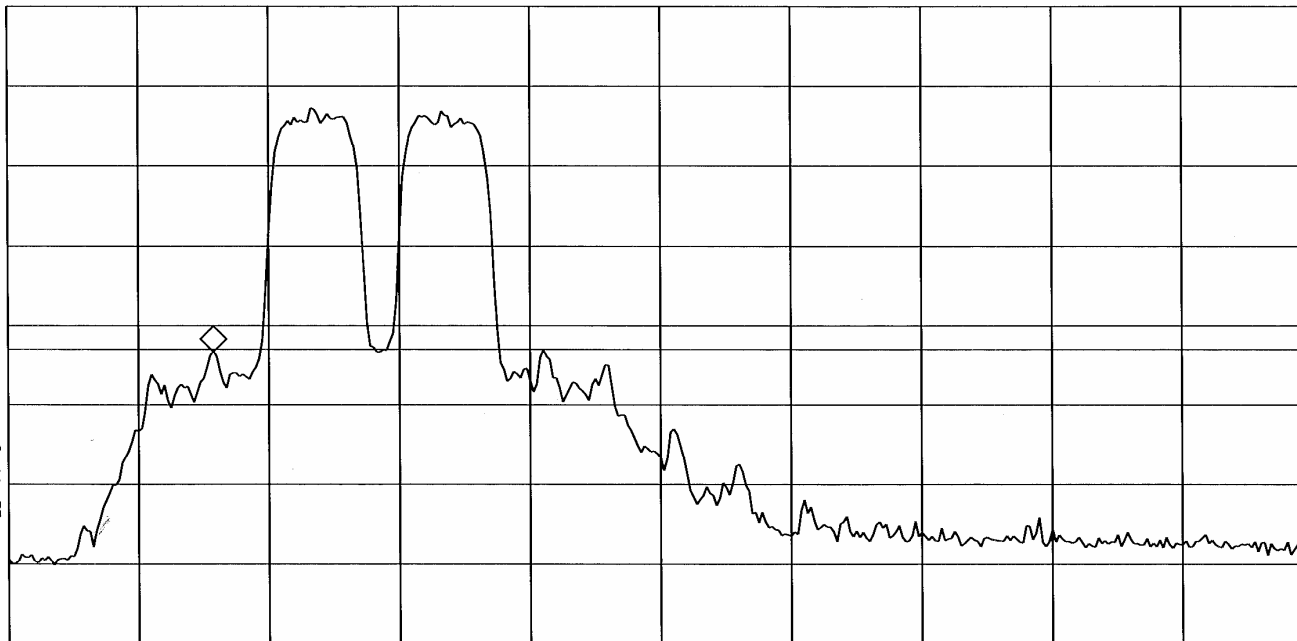
MKR 1.93103 GHz

REF 30.0 dBm #AT 10 dB

-13.28 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

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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		

12: 47: 24 AUG 18, 2006

MKR 1.94328 GHz

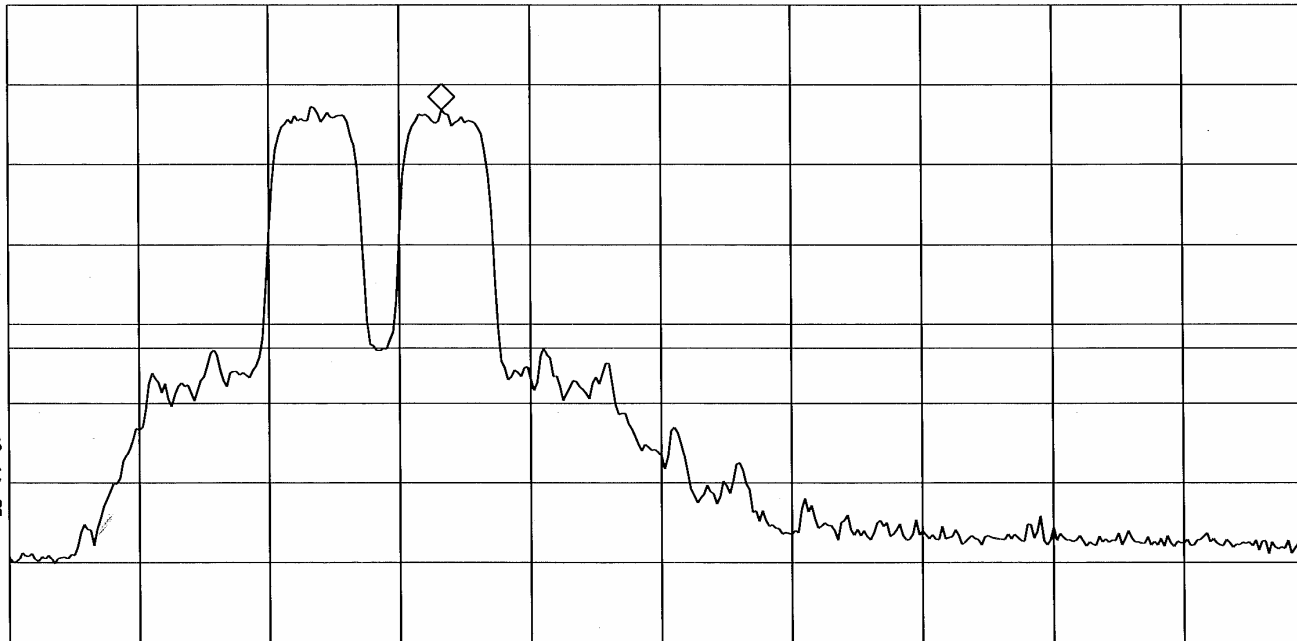
REF 30.0 dBm

#AT 10 dB

16.91 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

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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		

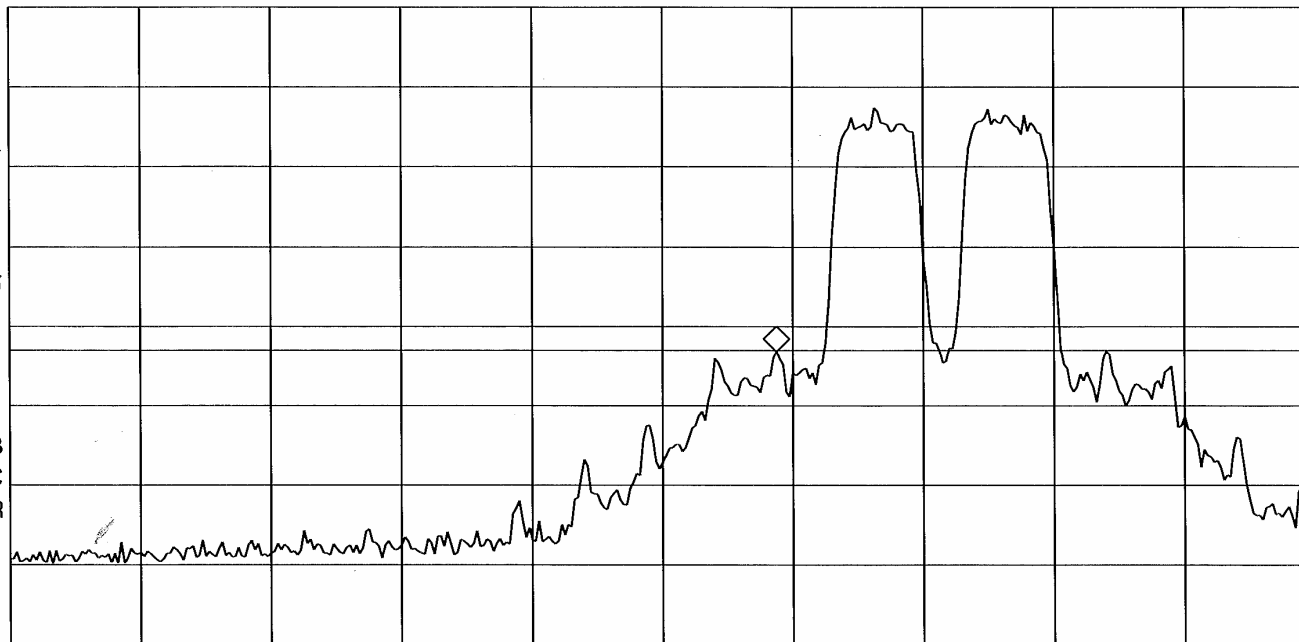
13:02:53 AUG 18, 2006

MKR 1.97113 GHz
-13.16 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

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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		

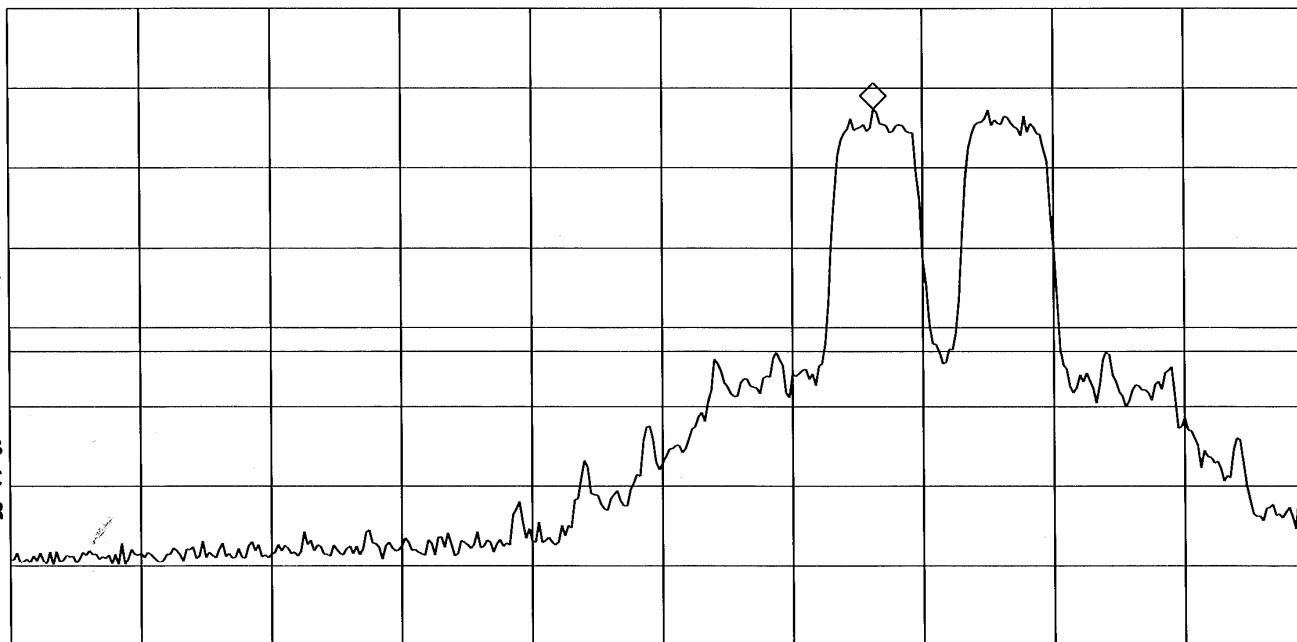
13: 02: 33 AUG 18, 2006

MKR 1.97638 GHz
17.45 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

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	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	PCS Band -CDMA - Downlink		

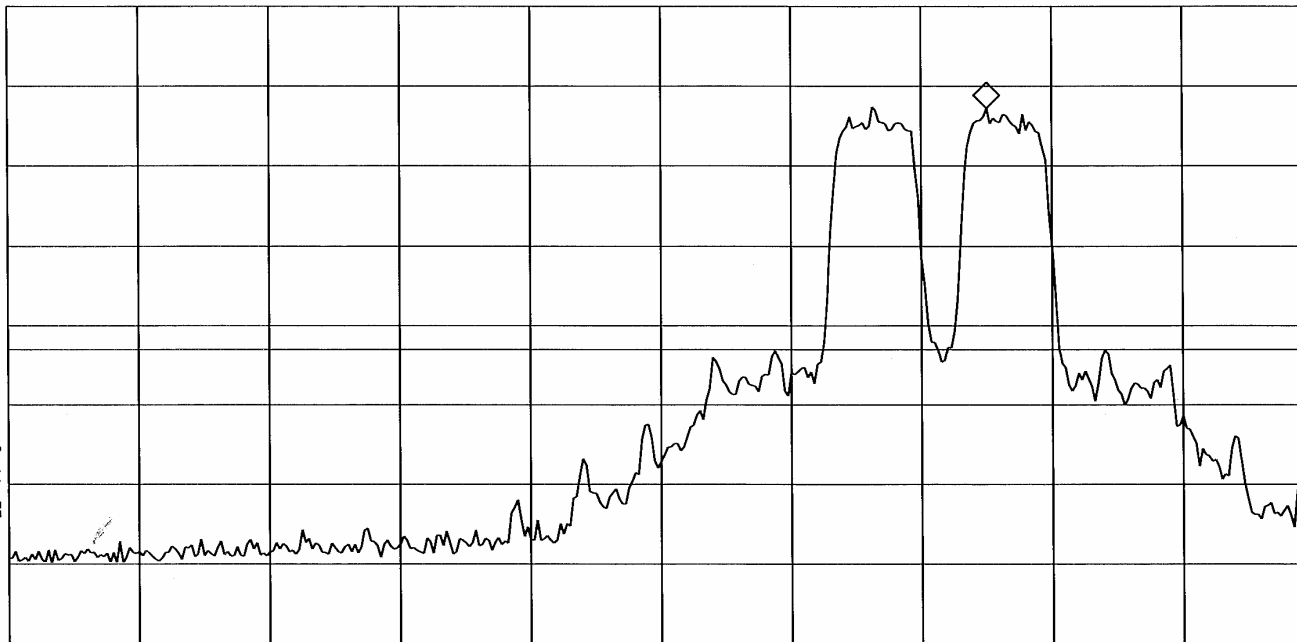
13: 02: 26 AUG 18, 2006

MKR 1.98250 GHz
17.28 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