

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band - FM - Downlink		
Job No:	R-4609N-3		Technician:
		M.Seamans	
Date:	8/16/2006		

16: 00: 41 AUG 14, 2006

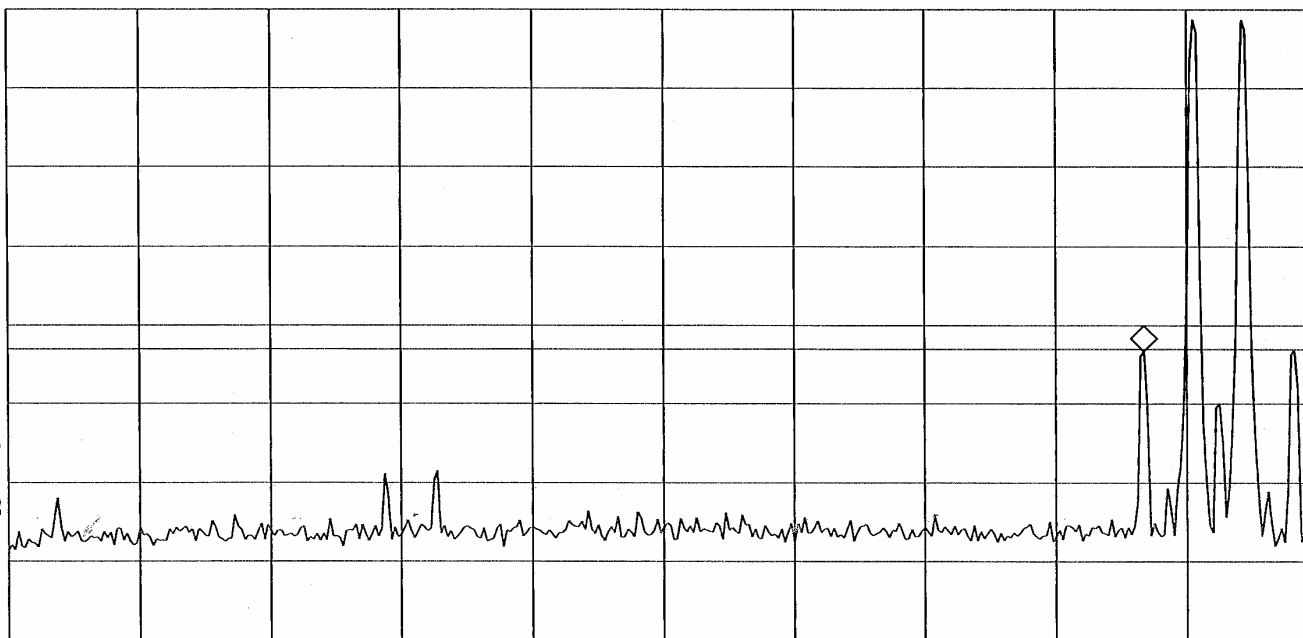
REF 30.0 dBm

AT 10 dB

MKR 891.56 MHz
-13.24 dBm

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

VA SB
SC FC
CORR



START 869.00 MHz

#RES BW 30 KHz

#VBW 100 KHz

STOP 895.00 MHz

SWP 86.7 msec

RETLIF TESTING LABORATORIES

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Notes:	Amps Band - FM - Downlink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

16: 01: 15 AUG 14, 2006

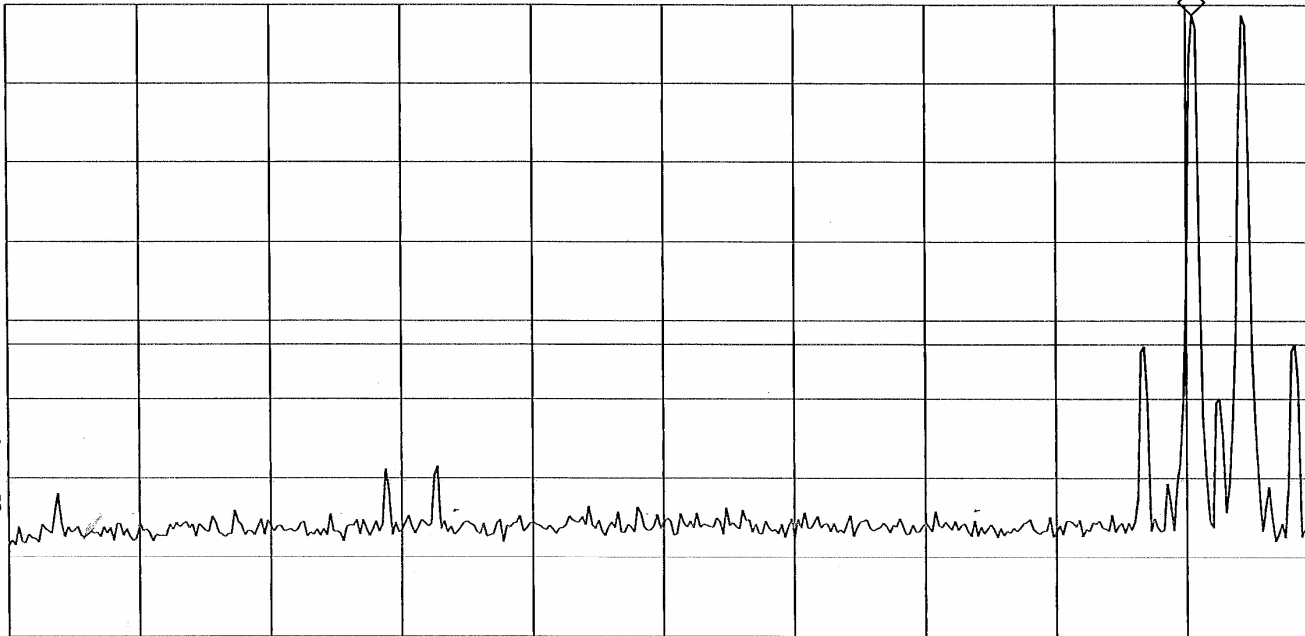
REF 30.0 dBm

AT 10 dB

MKR 892.53 MHz
28.76 dBm

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

VA SB
SC FC
CORR



START 869.00 MHz

#RES BW 30 KHz

#VBW 100 KHz

STOP 895.00 MHz

SWP 86.7 msec

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Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band - TDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

14: 44: 32 AUG 14, 2006

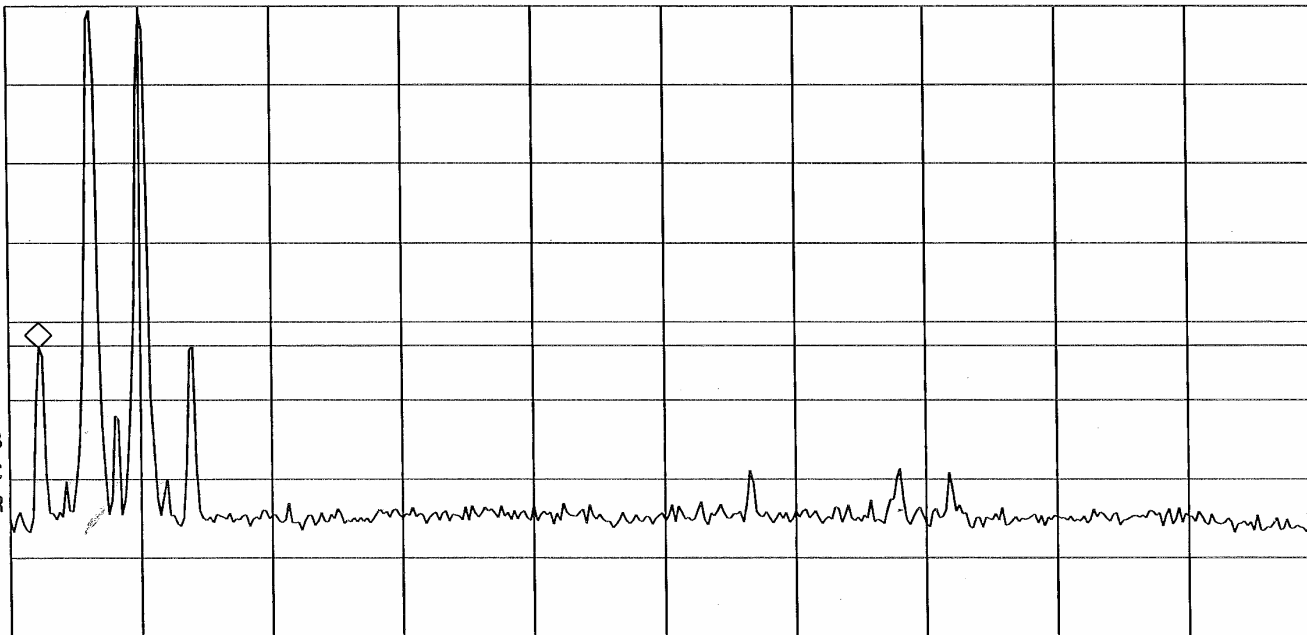
REF 30.0 dBm

AT 10 dB

MKR 823.59 MHz
-13.27 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

RETLIF TESTING LABORATORIES

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Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band - TDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

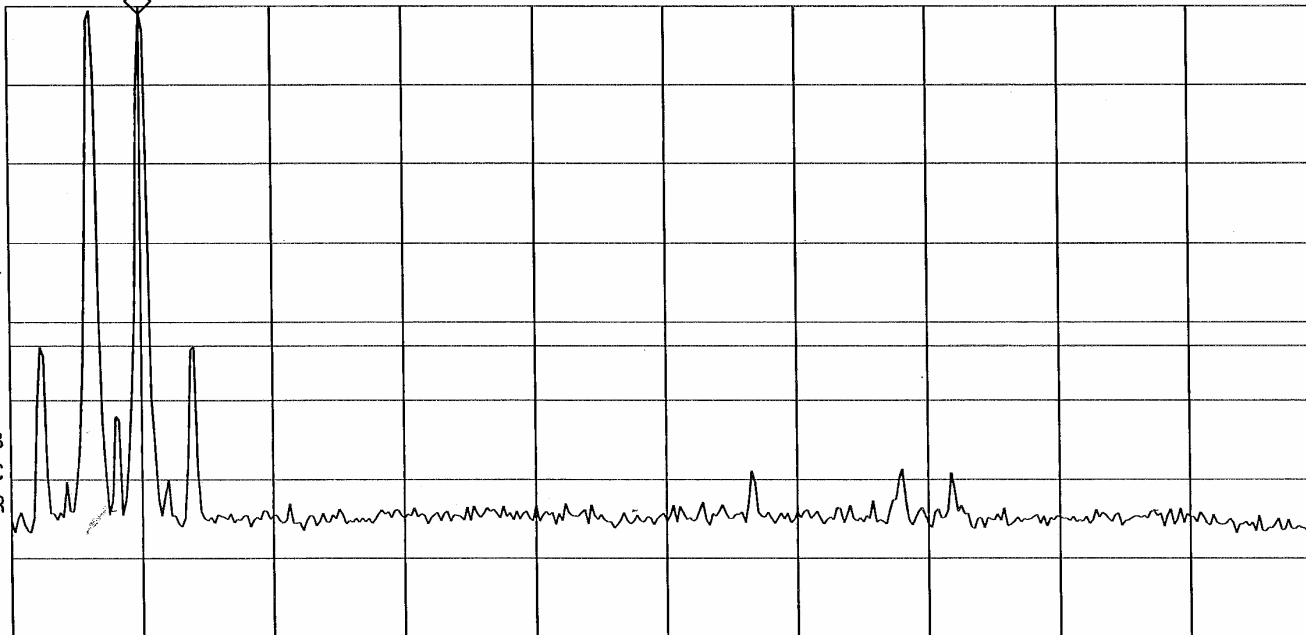
14:44:58 AUG 14, 2006

MKR 825.60 MHz
29.07 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

EMISSIONS DATA SHEET

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Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
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Notes:	Amps Band - TDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

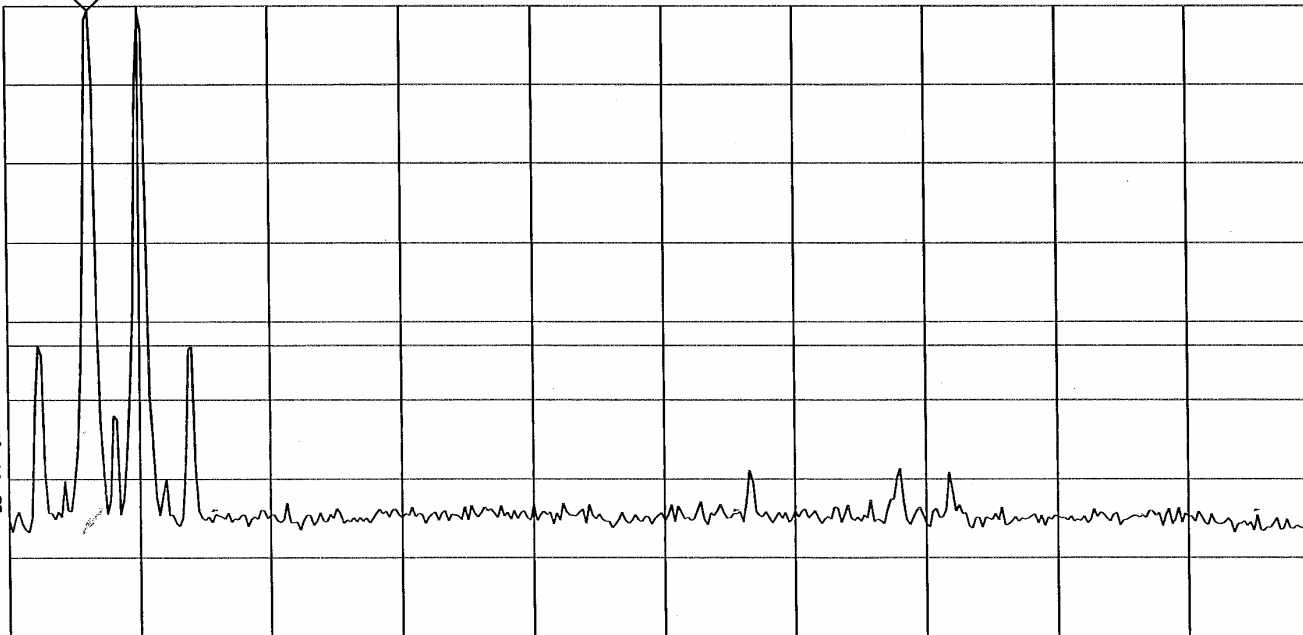
14:44:45 AUG 14, 2006

MKR 824.63 MHz
29.47 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

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:	Amps Band - TDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

14: 45: 15 AUG 14, 2006

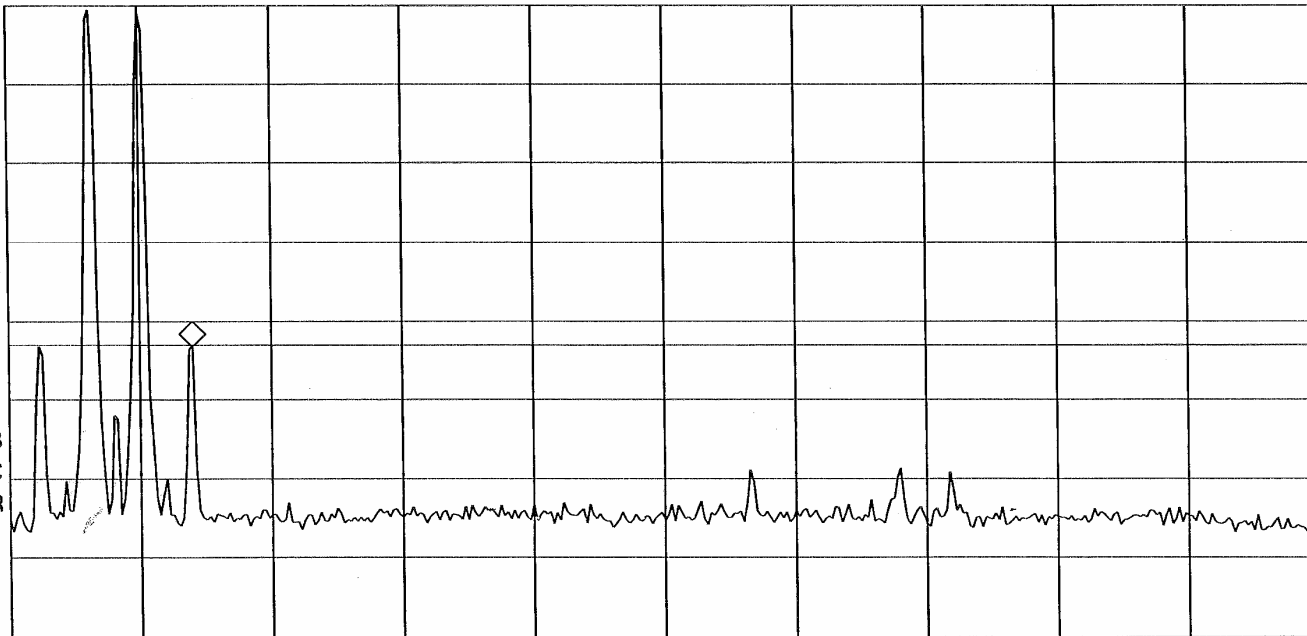
REF 30.0 dBm

AT 10 dB

MKR 826.64 MHz
-13.19 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

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
	Amps Band - TDMA - Uplink		

14:34:30 AUG 14, 2006

REF 30.0 dBm

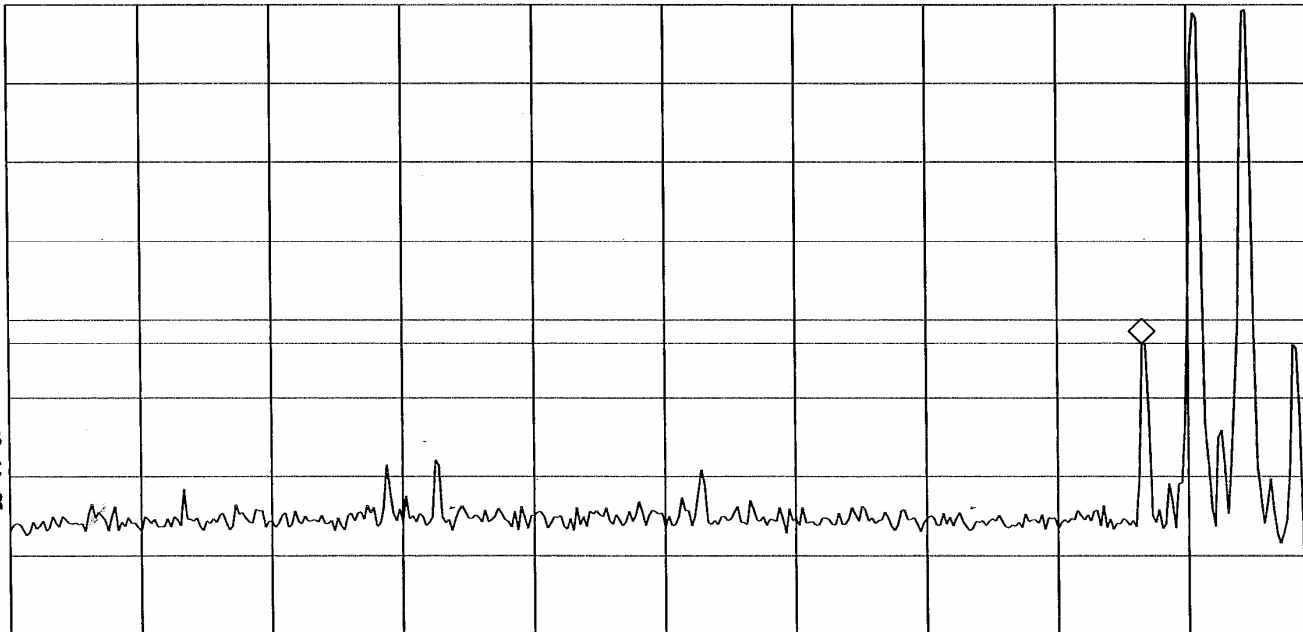
AT 10 dB

MKR 846.49 MHz

-13.04 dBm

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

VA SB
SC FC
CORR



START 824.000 MHz

#RES BW 30 KHz

#VBW 100 KHz

STOP 850.000 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-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band - TDMA - Uplink		

14: 34: 40 AUG 14, 2006

REF 30.0 dBm

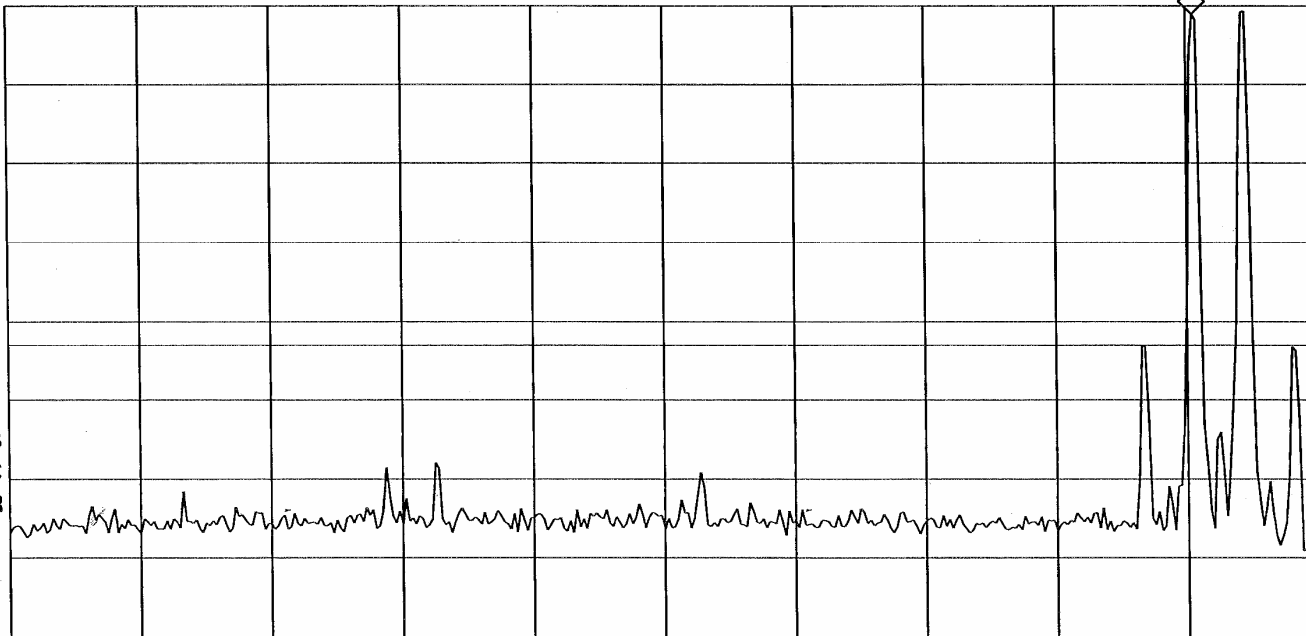
AT 10 dB

MKR 847.53 MHz

28.97 dBm

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

VA SB
SC FC
CORR



START 824.00 MHz

#RES BW 30 kHz

#VBW 100 kHz

STOP 850.00 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-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band - TDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

14:34:58 AUG 14, 2006

REF 30.0 dBm

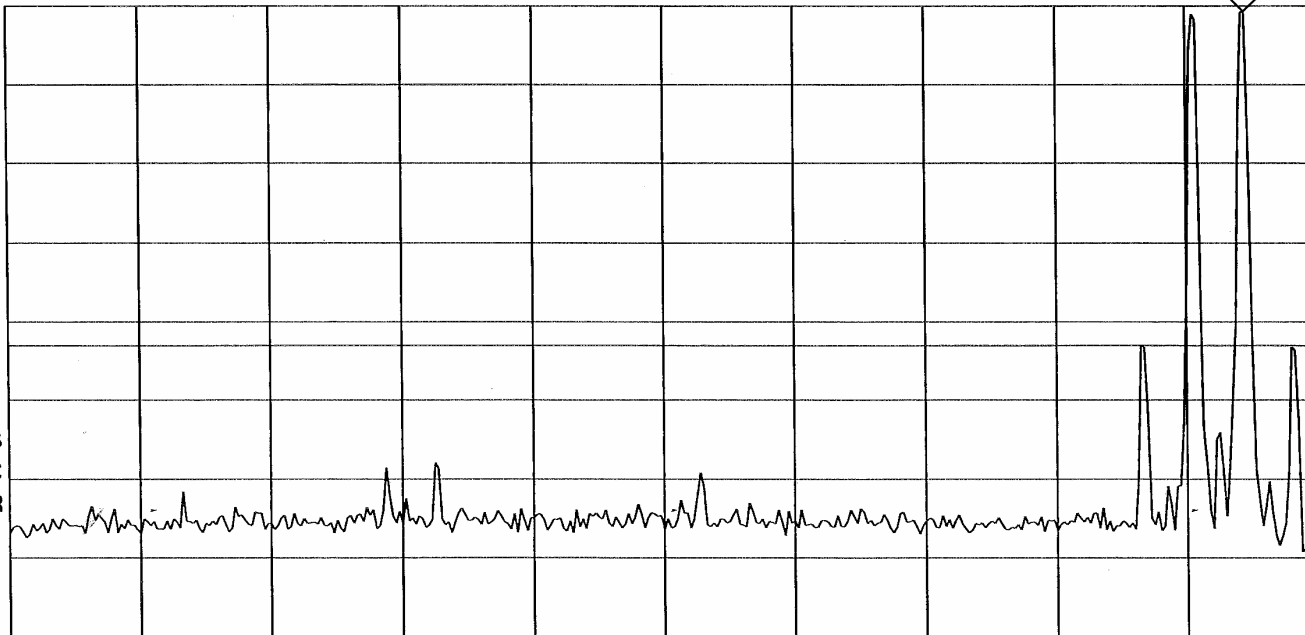
AT 10 dB

MKR 848.57 MHz

29.34 dBm

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

VA SB
SC FC
CORR



START 824.00 MHz

#RES BW 30 KHz

#VBW 100 KHz

STOP 850.00 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-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band - TDMA - Uplink		
Job No:	R-4609N-3	Technician:	M.Seamans
Date:	8/16/2006		

14:35:14 AUG 14, 2006

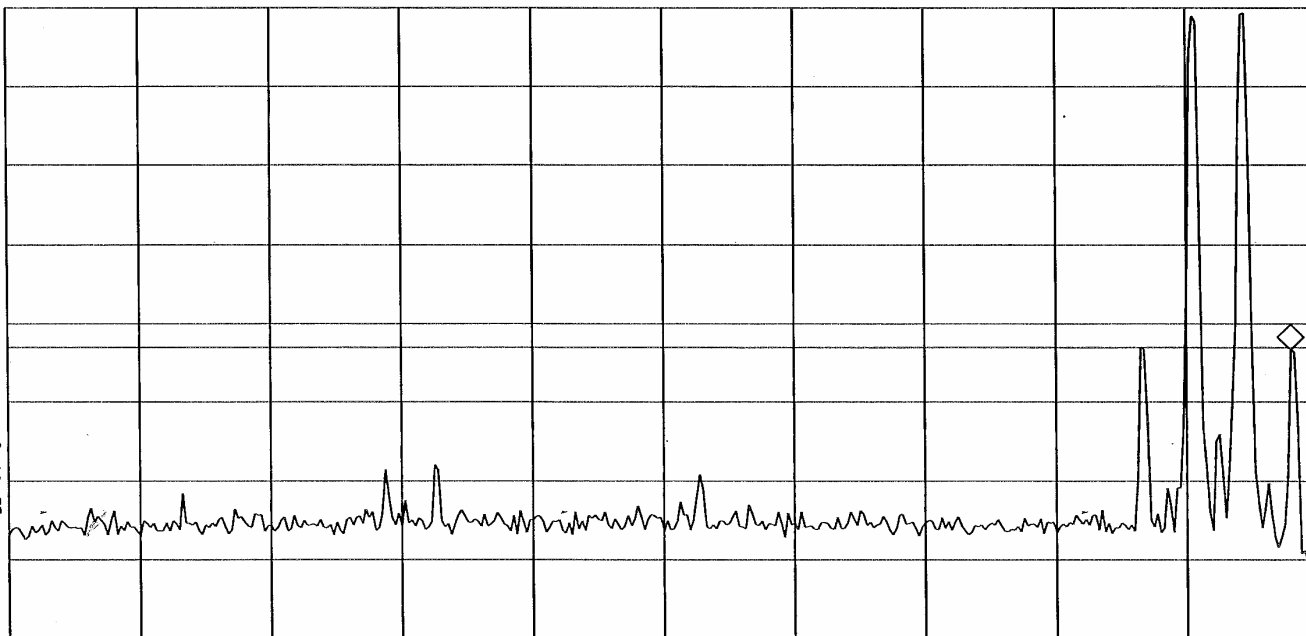
REF 30.0 dBm

AT 10 dB

MKR 849.48 MHz
-13.30 dBm

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

VA SB
SC FC
CORR



START 824.00 MHz

#RES BW 30 KHz

#VBW 100 KHz

STOP 850.00 MHz

SWP 86.7 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

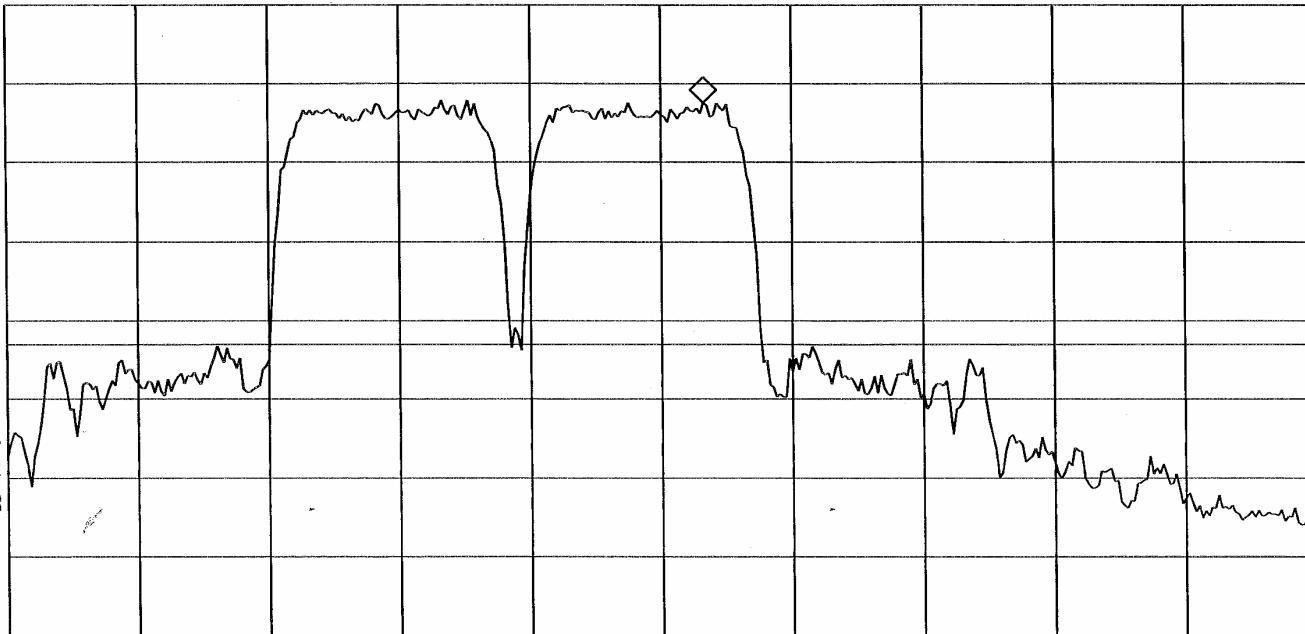
15:02:49 AUG 14, 2006

MKR 836.85 MHz
17.62 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

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

15:03:16 AUG 14, 2006

REF 30.0 dBm

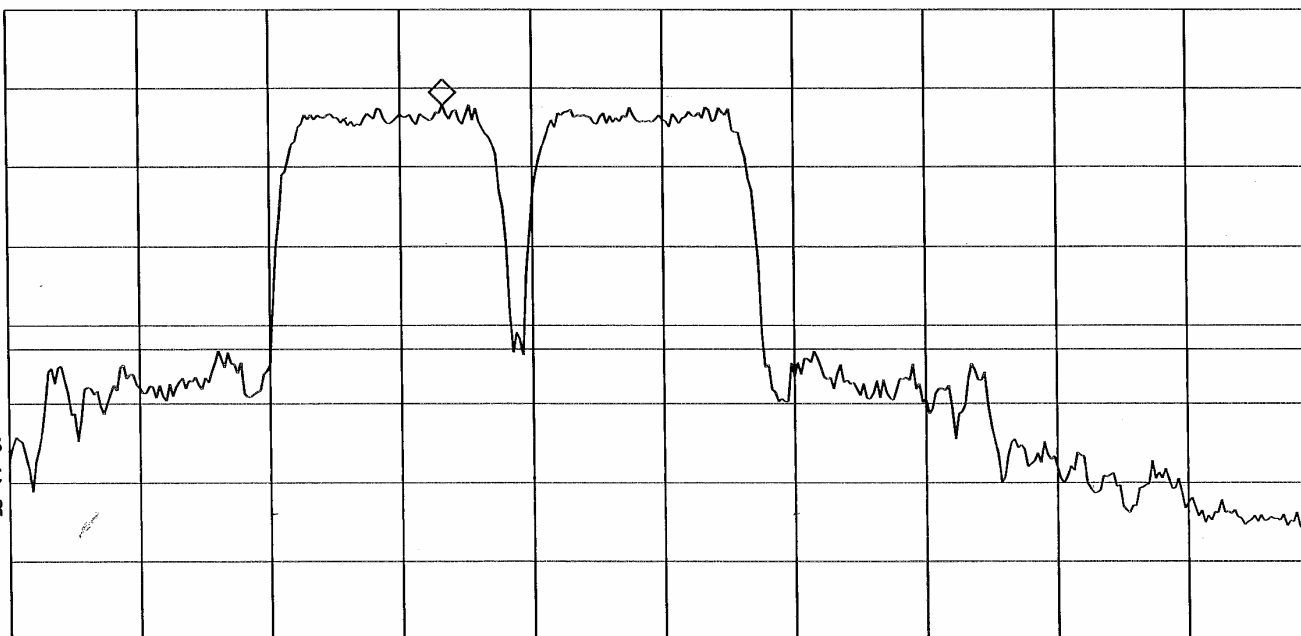
AT 10 dB

MKR 831.65 MHz

17.89 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

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		

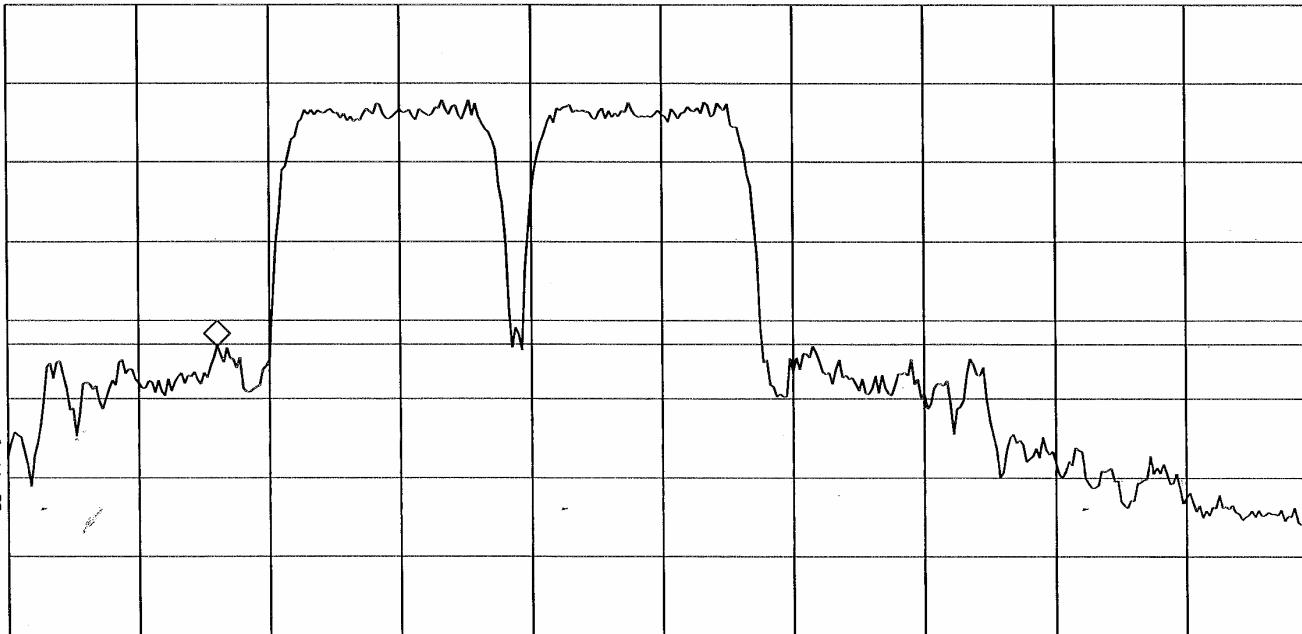
15:03:40 AUG 14, 2006

REF 30.0 dBm

AT 10 dB

MKR 827.16 MHz
-13.24 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

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph:	2.1047
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

15:06:43 AUG 14, 2006

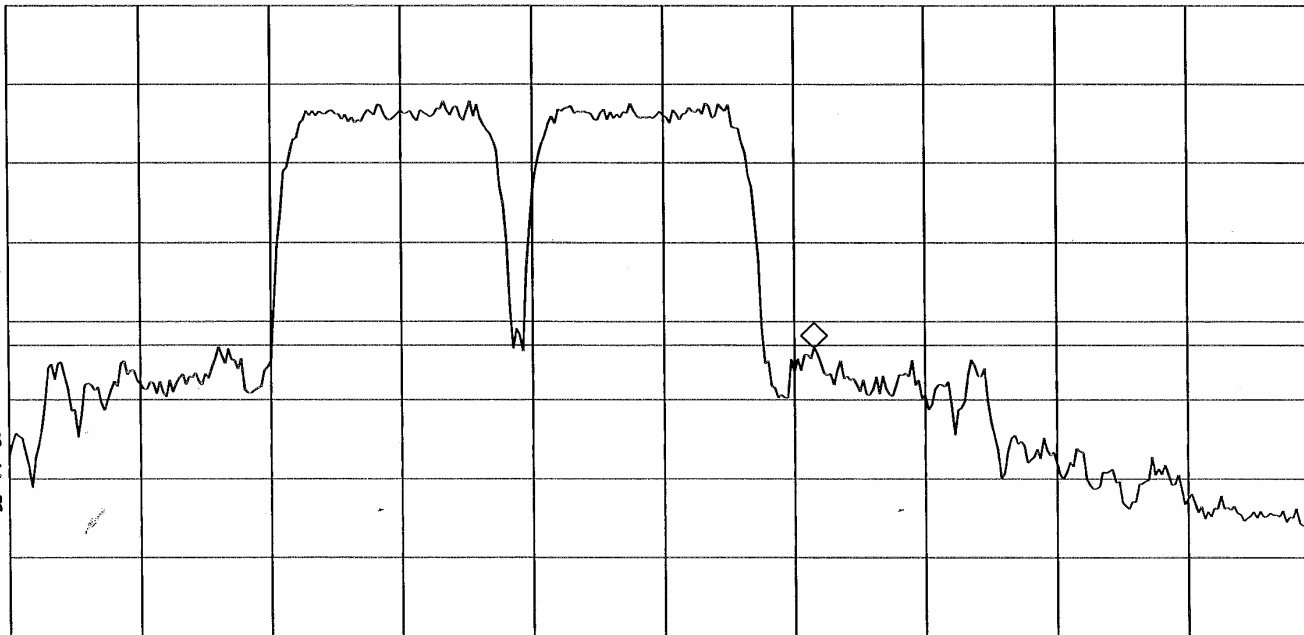
REF 30.0 dBm

AT 10 dB

MKR 838.99 MHz
-13.37 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

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		

15: 11: 30 AUG 14, 2006

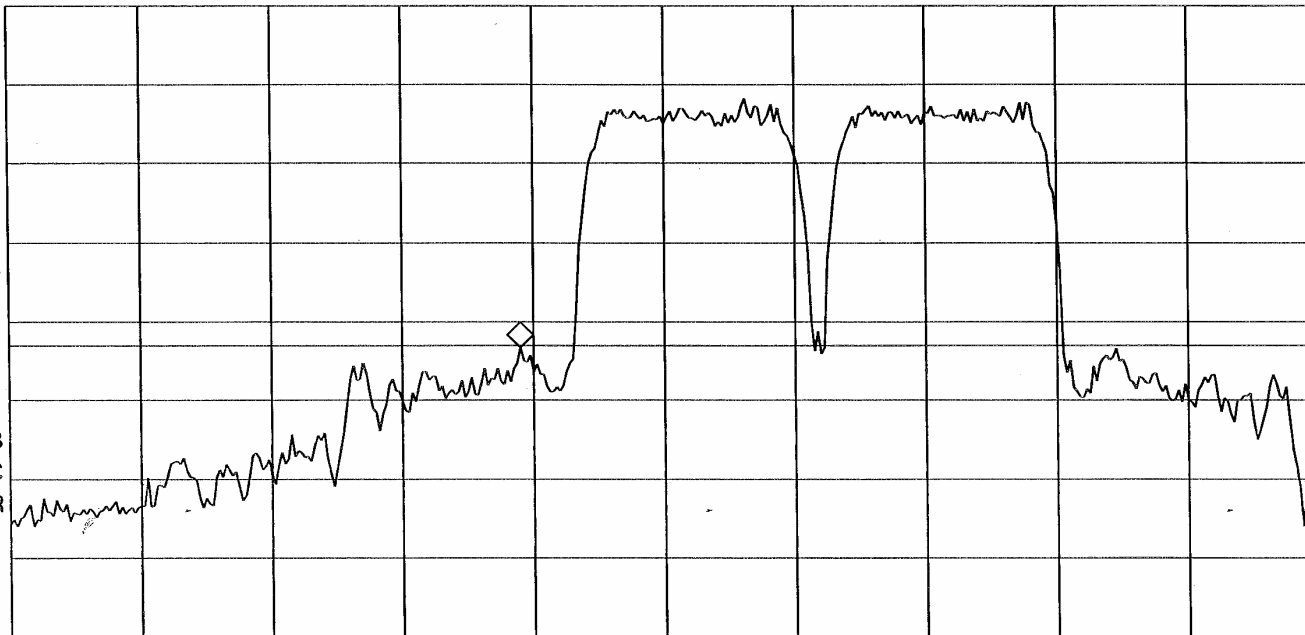
REF 30.0 dBm

AT 10 dB

MKR 834.14 MHz
-13.25 dBm

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

VA SB
SC FC
CORR



START 824.00 MHz

#RES BW 30 KHz

#VBW 100 KHz

STOP 850.00 MHz

SWP 86.7 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		

15: 11: 39 AUG 14, 2006

REF 30.0 dBm

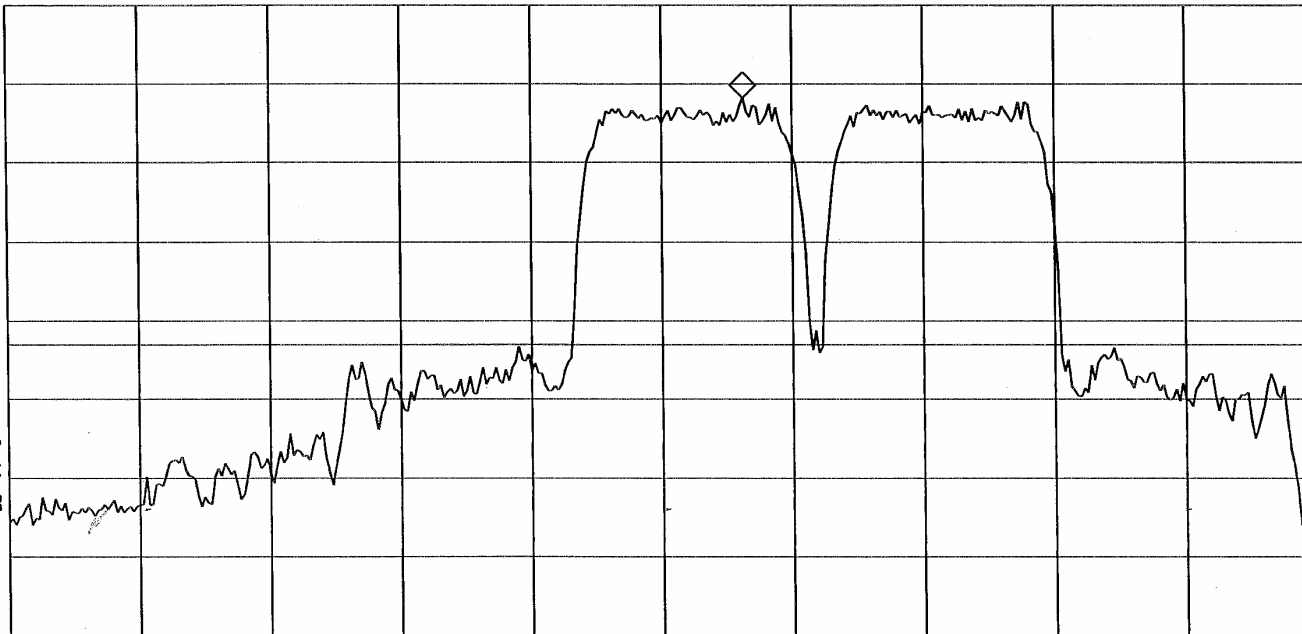
AT 10 dB

MKR 838.63 MHz

18.26 dBm

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

VA SB
SC FC
CORR



START 824.00 MHz

#RES BW 30 kHz

#VBW 100 kHz

STOP 850.00 MHz

SWP 86.7 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

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Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		
Job No:	R-4609N-3		Technician:
		M.Seamans	Date:
		8/16/2006	

15: 11: 53 AUG 14, 2006

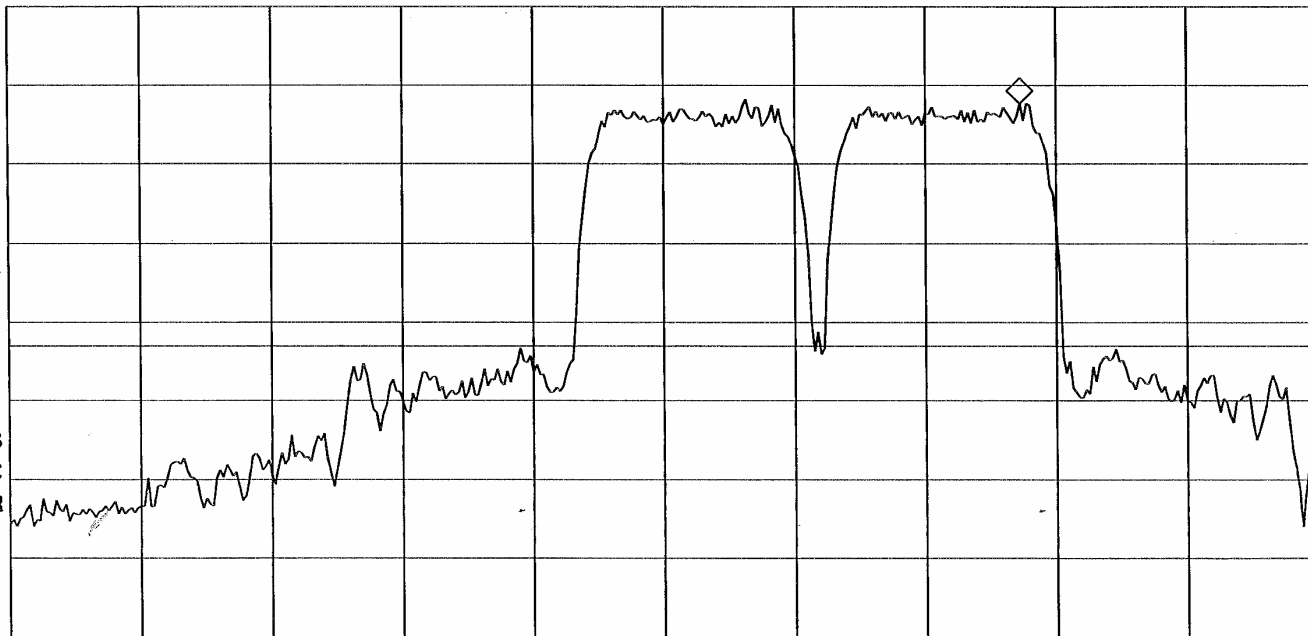
REF 30.0 dBm

AT 10 dB

MKR 844.09 MHz
17.72 dBm

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

VA SB
SC FC
CORR



START 824.00 MHz

#RES BW 30 kHz

#VBW 100 kHz

STOP 850.00 MHz

SWP 86.7 msec

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
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Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		

15:12:14 AUG 14, 2006

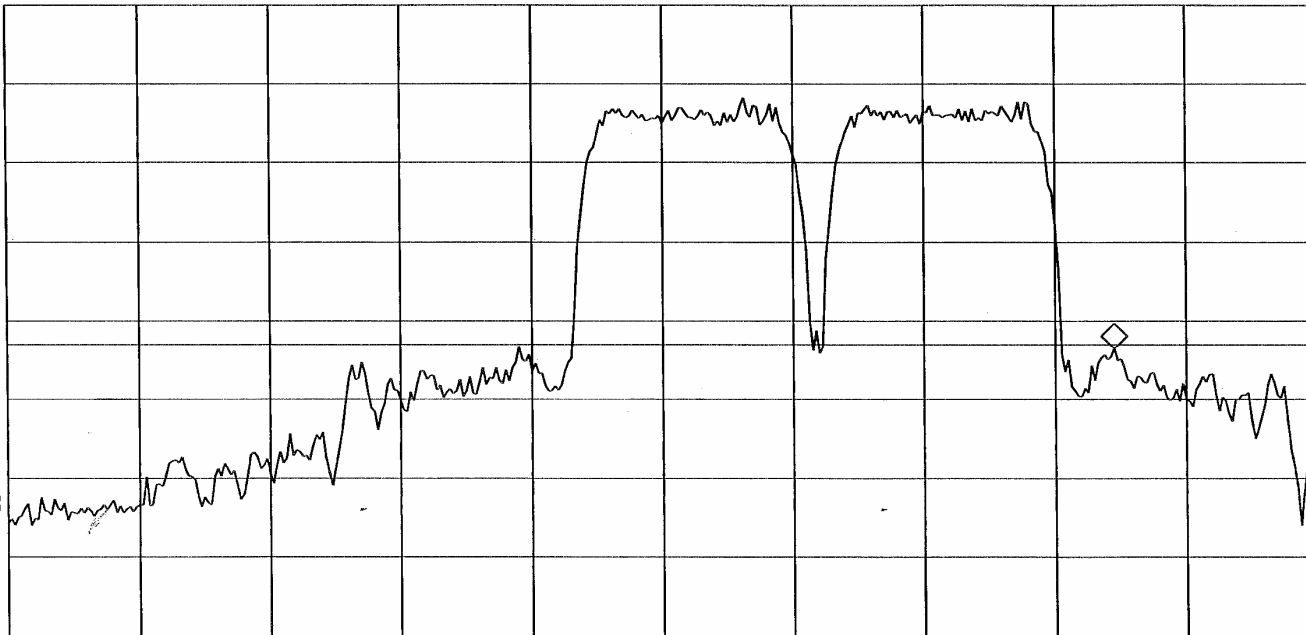
REF 30.0 dBm

AT 10 dB

MKR 845.97 MHz
-13.50 dBm

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

VA SB
SC FC
CORR



START 824.00 MHz

#RES BW 30 kHz

#VBW 100 kHz

STOP 850.00 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-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -CDMA - Uplink		

14: 17: 36 AUG 14, 2006

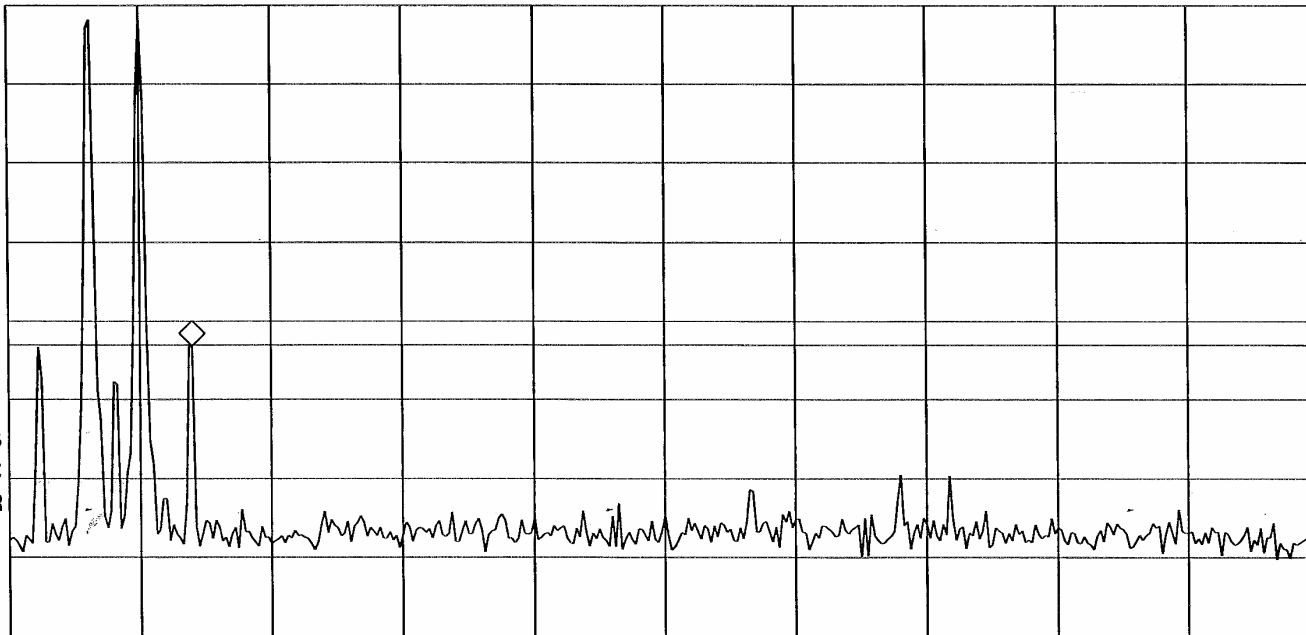
REF 30.0 dBm

AT 10 dB

MKR 826.64 MHz
-13.14 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

RETLIF TESTING LABORATORIES

EMISSIONS DATA SHEET

Test Method:	Intermodulation Characteristics		
Customer:	Cellular Specialties, Inc.	Test Sample:	Dual Band Bidirectional Amplifier
Model No:	CSI-BDA61080-C/P	Serial No:	CC060014
Test Specification:	FCC Part 2	Paragraph: 2.1047	Date: 8/16/2006
Operating Mode:	Amplifying input signal		
Notes:	Amps Band -FM - Uplink		

14: 16: 55 AUG 14, 2006

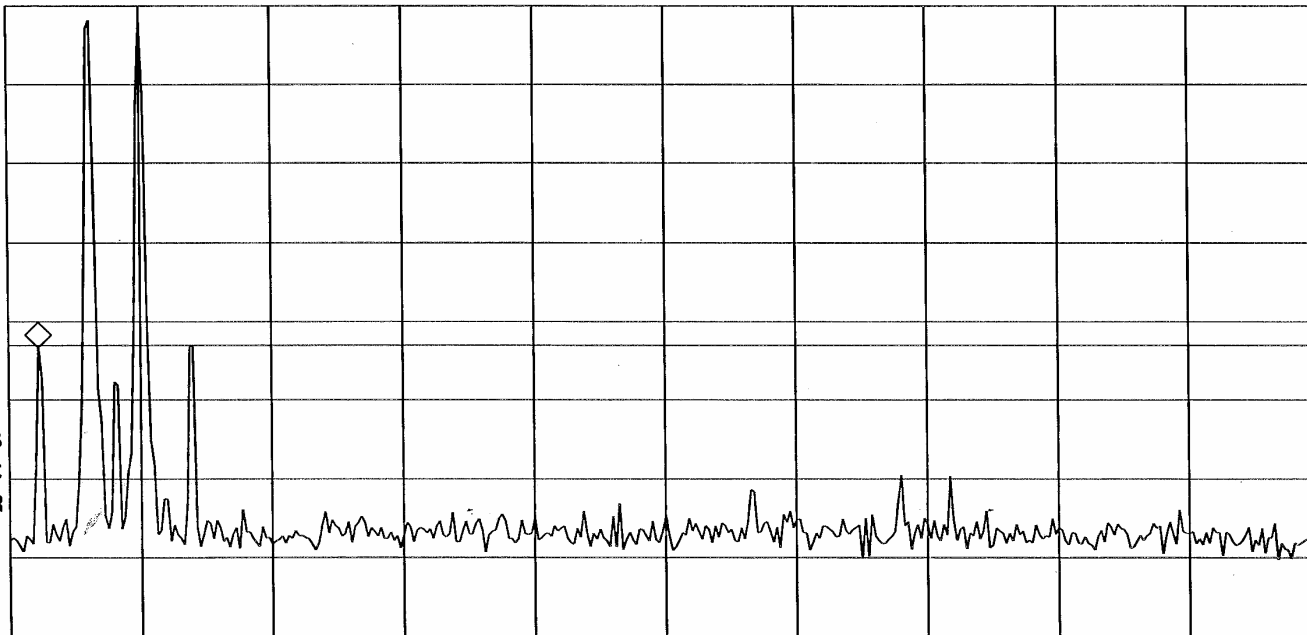
REF 30.0 dBm

AT 10 dB

MKR 823.59 MHz
-13.29 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

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:	Amps Band -FM - Uplink		

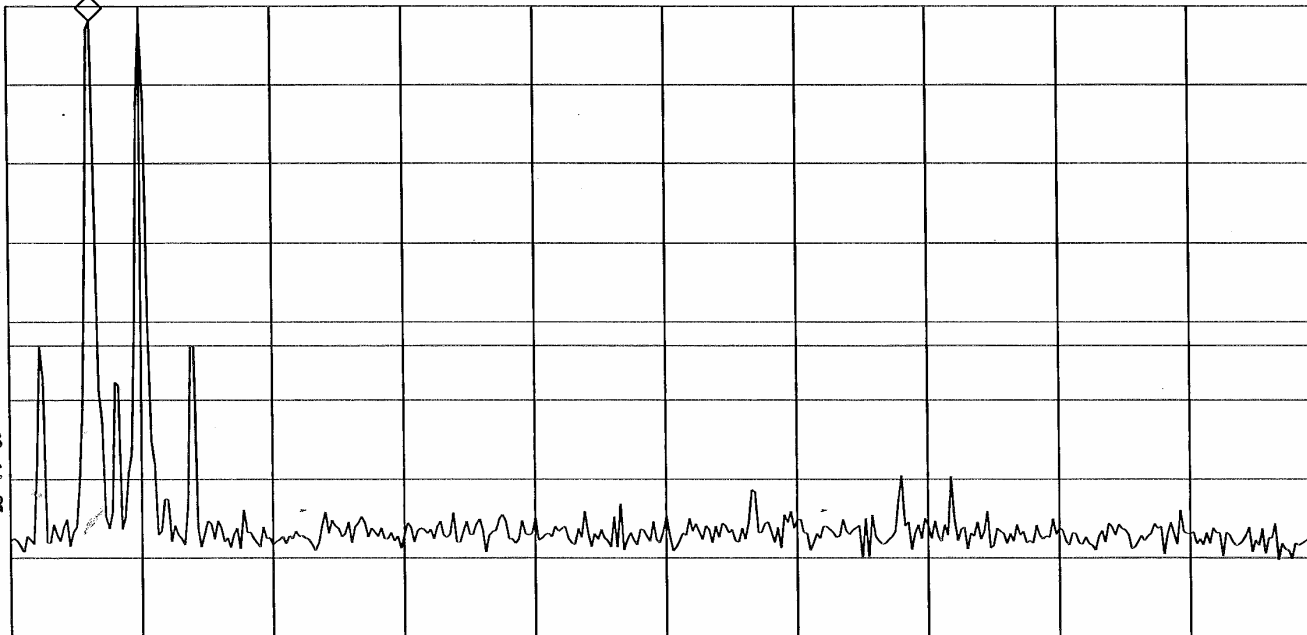
14: 17: 04 AUG 14, 2006

MKR 824.63 MHz
28.19 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