Test Report:	4W07822
Applicant:	Dekolink Wireless Ltd. 16 Bazel St. Qiryat-Arieh Petah-Tikva, Israel, 49510
Equipment Under Test: (EUT)	MW-BDA-PCS-F-50W90 MW-BDA-PCS-D-50W90 CDMA Repeater
FCC ID:	OIWBDAPCSF50W90
In Accordance With:	**FCC Part 24, Subpart E**
Tested By:	Nemko Canada Inc. 303 River Road, R.R. 5 Ottawa, Ontario K1V 1H2
Authorized By:	 Glen, Westwell, Wireless Technologist
Date:	27 February 2004
Total Number of Pages:	48

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Section 1. Summary of Test Results

General

All measurements are traceable to national standards.

These tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 24, Subpart E.

THIS TEST REPORT RELATES ONLY TO THE ITEM(S) TESTED.

THE FOLLOWING DEVIATIONS FROM, ADDITIONS TO, OR EXCLUSIONS FROM THE TEST SPECIFICATIONS HAVE BEEN MADE.
See " Summary of Test Data".

TESTED BY: _____ DATE: 20 February 2004
Kevin Carr, EMC/EMI/Wireless Specialist

Summary Of Test Data

Name Of Test	Para. No.	Result
RF Power Output	2.1046	Complied
Occupied Bandwidth	2.1049	Complied
Spurious Emissions at Antenna Terminals	2.1051	Complied
Field Strength of Spurious Emissions	2.1053	Complied
Frequency Stability	2.1055	N/A(1)

Test Conditions: N/A(1) - No frequency conversion capabilities.

Note: - All tests were conducted with the AGC enabled, and verified with AGC off

Indoor Temperature: 24°C
Humidity: 11%

Outdoor Temperature: 10°C
Humidity: 45%

Section 2. General Equipment Specification

Manufacturer: Dekolink Wireless Ltd.

Model No.: MW-BDA-PCS-F-50W90

Serial No.: 0311D9013

Date Received In Laboratory: Nov. 28, 2003

Nemko Identification No.: 1 of 3W07145 receiving report

Supply Input Voltage: 120VAC 60 Hz

Frequency Range:

Uplink:	1890-1895MHz
Downlink:	1970-1975MHz

RF Output (Rated):

Uplink:	27.0dBm, 0.5W
Downlink:	40.0dBm, 10 W

RF Output (Measured):

Uplink:	27.0 dBm, 0.5W
Downlink:	40.0dBm, 10W

Emission Designator:

TDMA	DXW
GSM	GXW
CDMA	F9W

General Equipment Specification, Cont.

Manufacturer:	Dekolink Wireless Ltd.
Model No.:	MW-BDA-PCS-D-50W90
Serial No.:	0303D9002
Date Received In Laboratory:	23 Dec. 2003
Nemko Identification No.:	1 of 4W07822 receiving report
Supply Input Voltage:	120VAC, 60Hz

Frequency Range:

Uplink:	1865-1870MHz
Downlink:	1945-1950MHz

RF Output (Rated):

Uplink:	27.0dBm, 0.5W
Downlink:	40.0dBm, 10 W

RF Output (Measured):

Uplink:	27.0 dBm, 0.5W
Downlink:	40.0dBm, 10W

Emission Designator:

TDMA	DXW
GSM	GXW
CDMA	F9W

Section 3. RF Power Output

Para. No.: 2.1046

Test Performed By: Kevin Carr	**Date of Test: 18 Feb. 2004**

Minimum Standard: Para. No.: 24.232.

Test Results: Complied

Measurement Data: See attached chart, The maximum RF output power is within +/- 1 dB of the manufacturer's rating, The RF output power is de-rated according to the number of channels via AGC and is equal to Pmax –10logN.

Pmax = Max. RF output power
N = Number of Channels

D-Block	Channel	Rated	Measured	Delta
		dBm	dBm	dB
	Low	27.0	27.0	0.0
UL	Mid	27.0	27.0	0.0
	High	27.0	27.0	0.0
	Low	40.0	40.8	0.8
DL	Mid	40.0	40.8	0.8
	High	40.0	40.8	0.8

F-Block	Channel	Rated	Measured	Delta
		dBm	dBm	dB
	Low	27.0	27.0	0.0
UL	Mid	27.0	27.0	0.0
	High	27.0	27.0	0.0
	Low	40.0	40.5	0.5
DL	Mid	40.0	40.5	0.5
	High	40.0	40.5	0.5

Section 4. Occupied Bandwidth

Para. No.: 2.1049

Test Performed By: Kevin Carr	**Date of Test: 17 Jan. 2004**

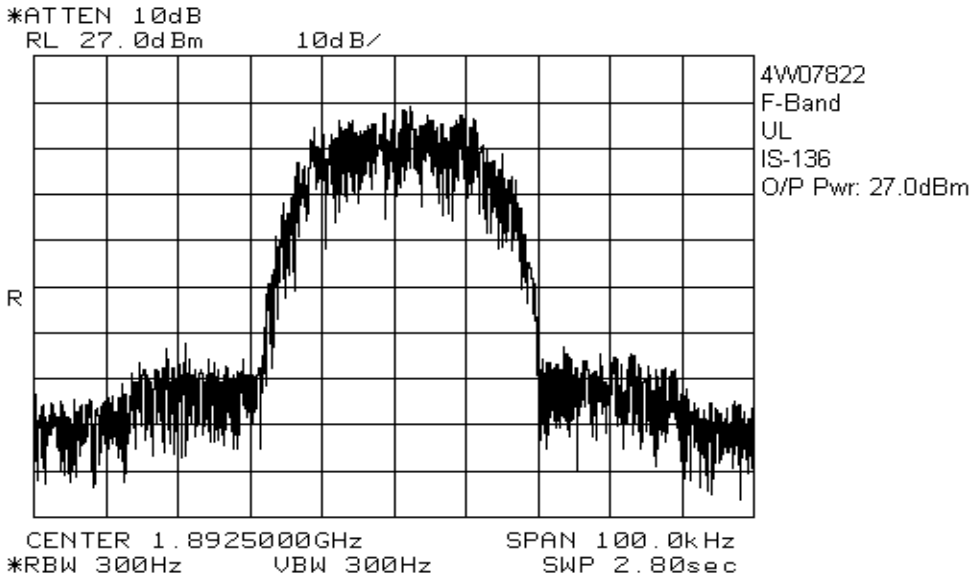
Minimum Standard: Para. No.: 24.238.

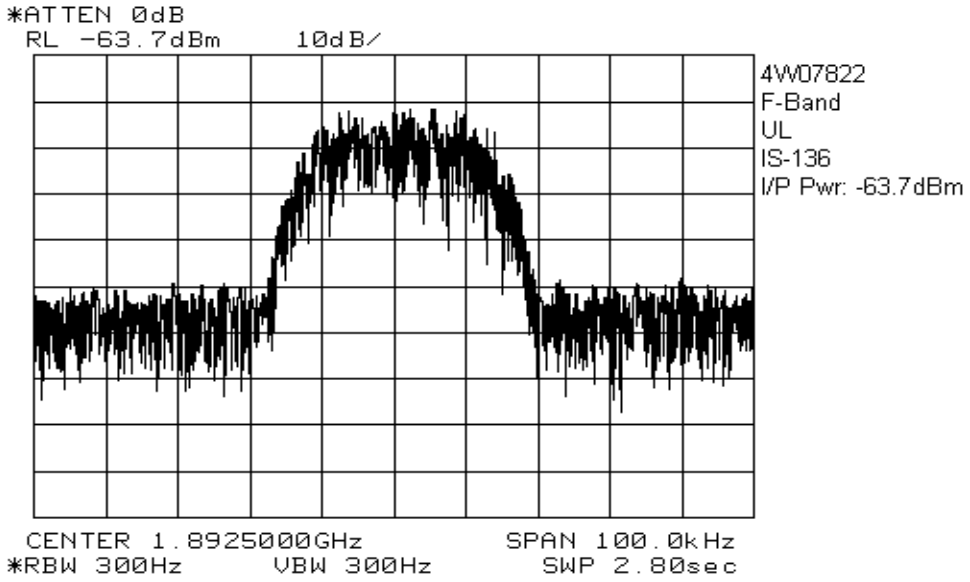
Test Results: Complied.

Test Data: See attached graph(s).

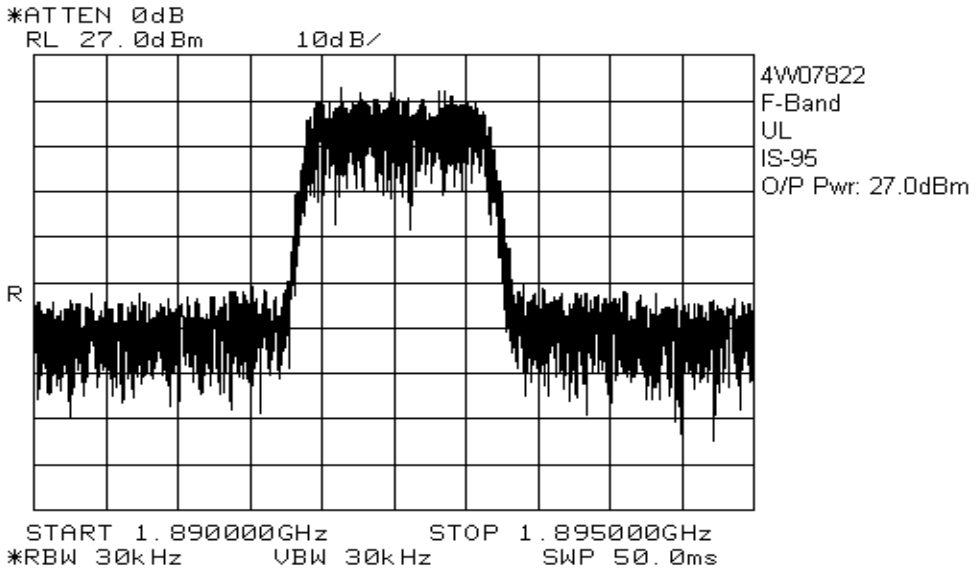
MW-BDA-PCS-F-50W90

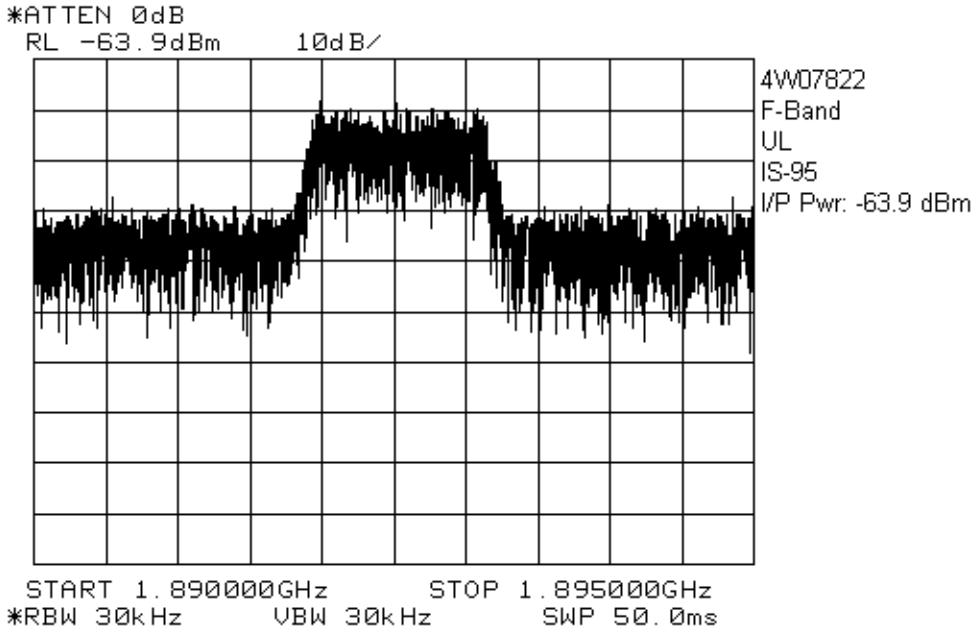
Uplink, IS-136



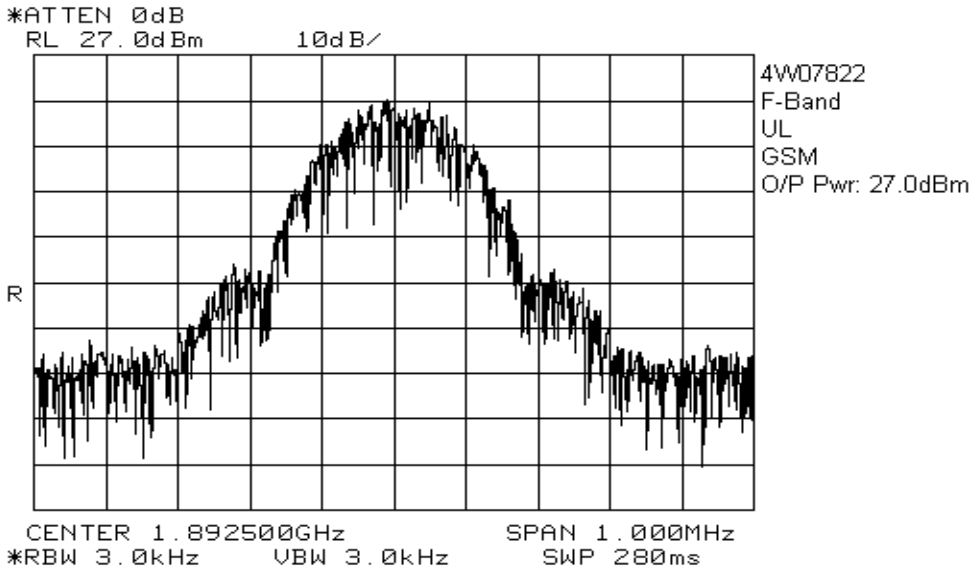


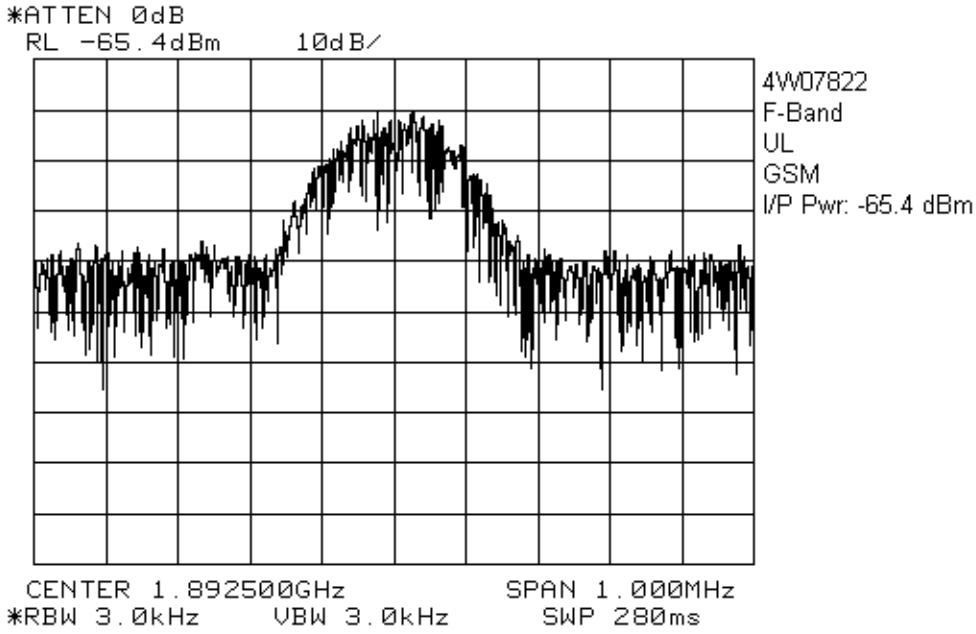
Uplink, IS-95


*ATTEN 0dB
RL 27.0dBm
10dB/
R
4W07822
F-Band
UL
IS-95
O/P Pwr: 27.0dBm
START 1.890000GHz
STOP 1.895000GHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

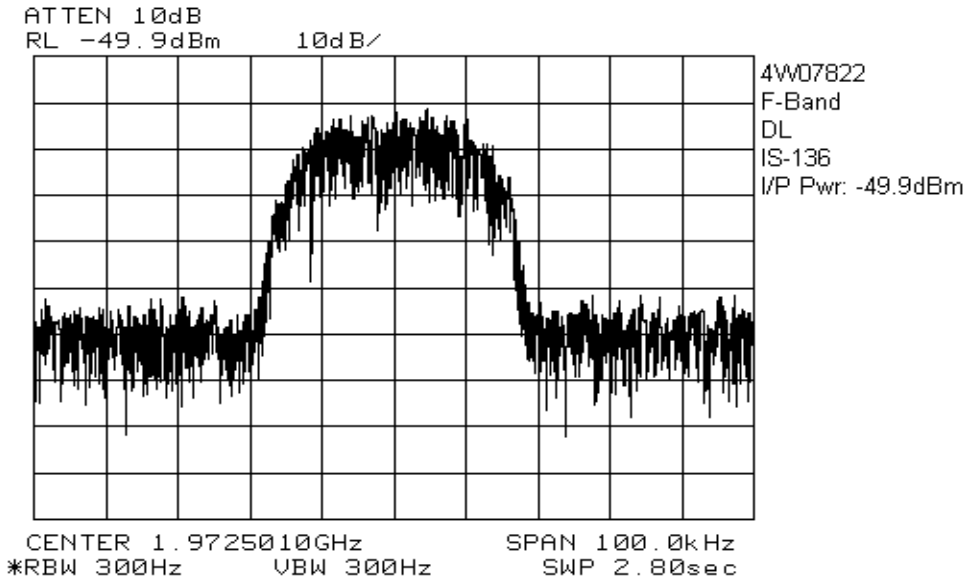

*ATTEN 0dB
RL -63.9dBm
10dB/
4W07822
F-Band
UL
IS-95
I/P Pwr: -63.9 dBm
START 1.890000GHz
STOP 1.895000GHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

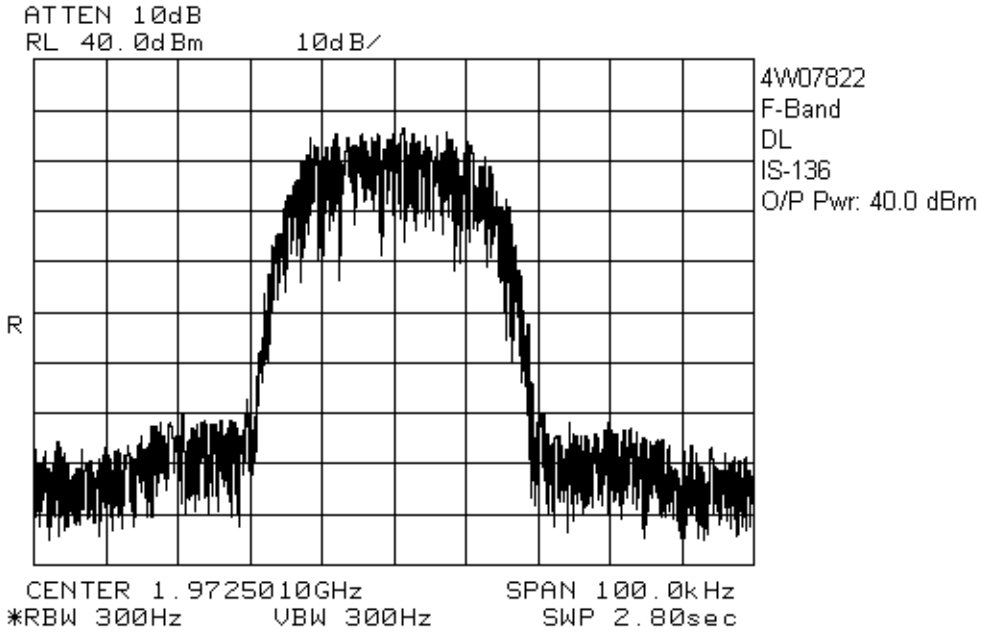
Uplink, GSM


*ATTEN 0dB
RL 27.0dBm
10dB/
R
4W07822
F-Band
UL
GSM
O/P Pwr: 27.0dBm
CENTER 1.892500GHz
SPAN 1.000MHz
*RBW 3.0kHz
VBW 3.0kHz
SWP 280ms

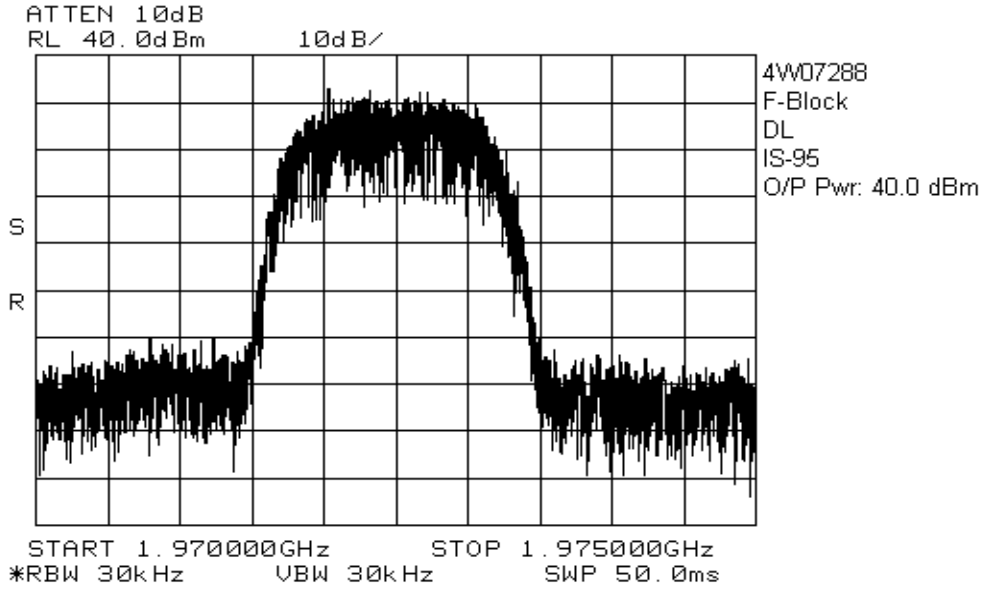

*ATTEN 0dB
RL -65.4dBm
10dB/
4W07822
F-Band
UL
GSM
I/P Pwr: -65.4 dBm
CENTER 1.892500GHz
SPAN 1.000MHz
*RBW 3.0kHz
VBW 3.0kHz
SWP 280ms

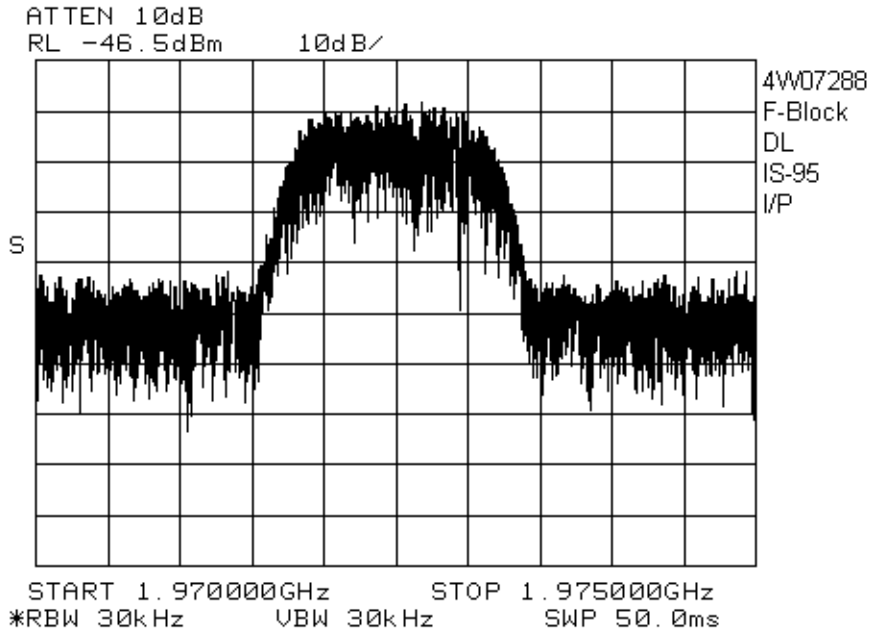
Downlink, IS-136



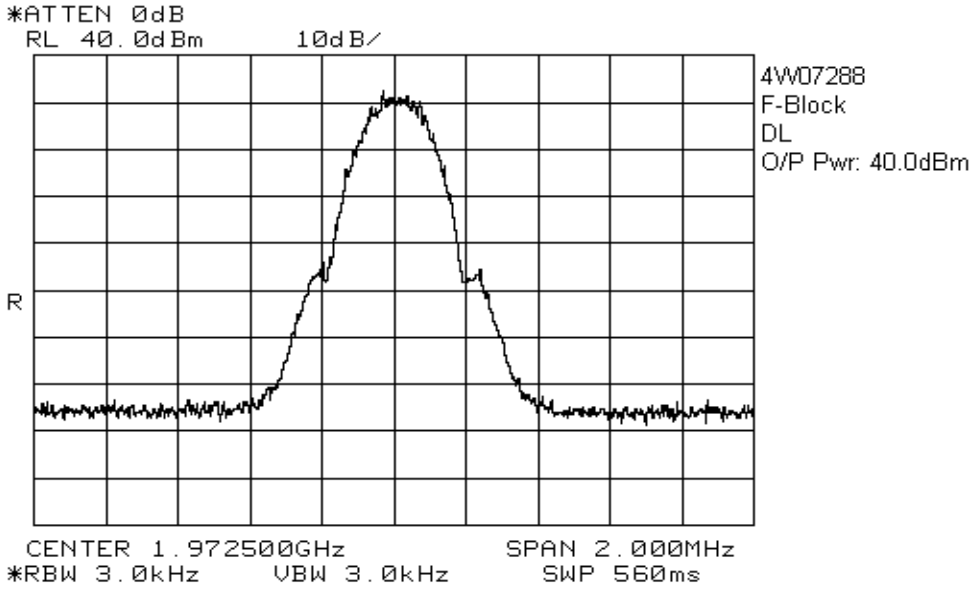


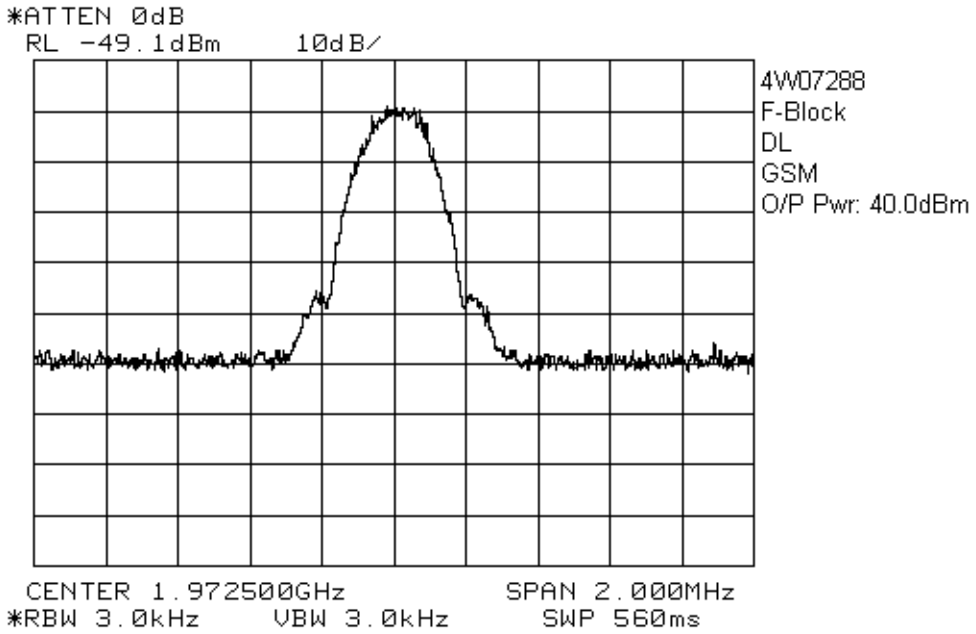
Downlink, IS-95



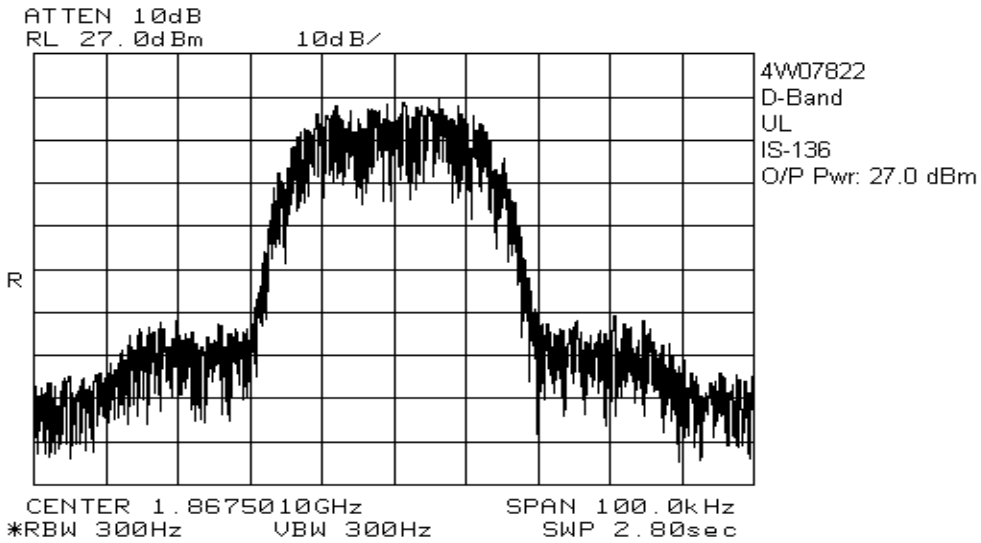


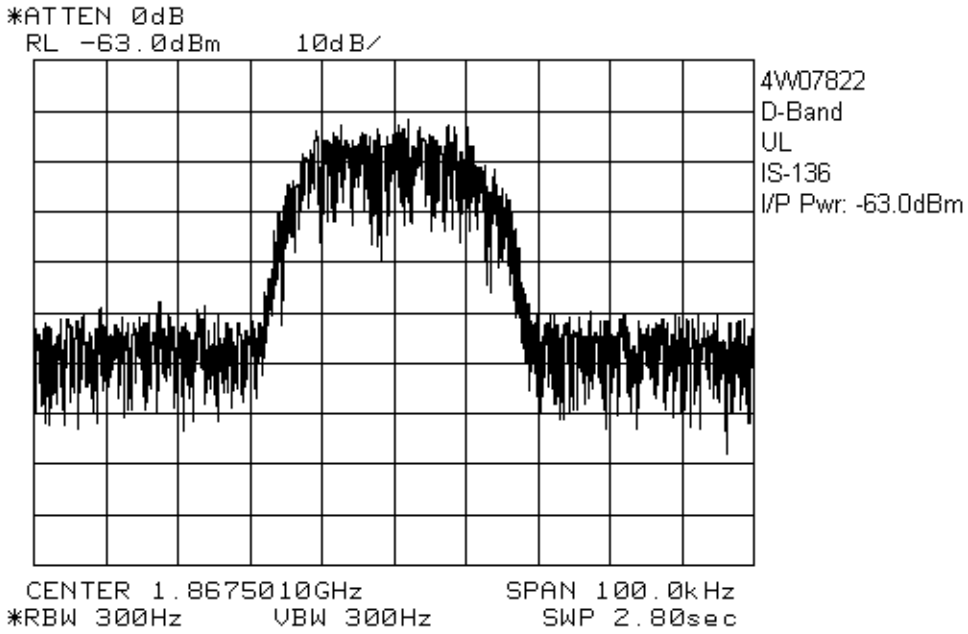
Downlink, GSM



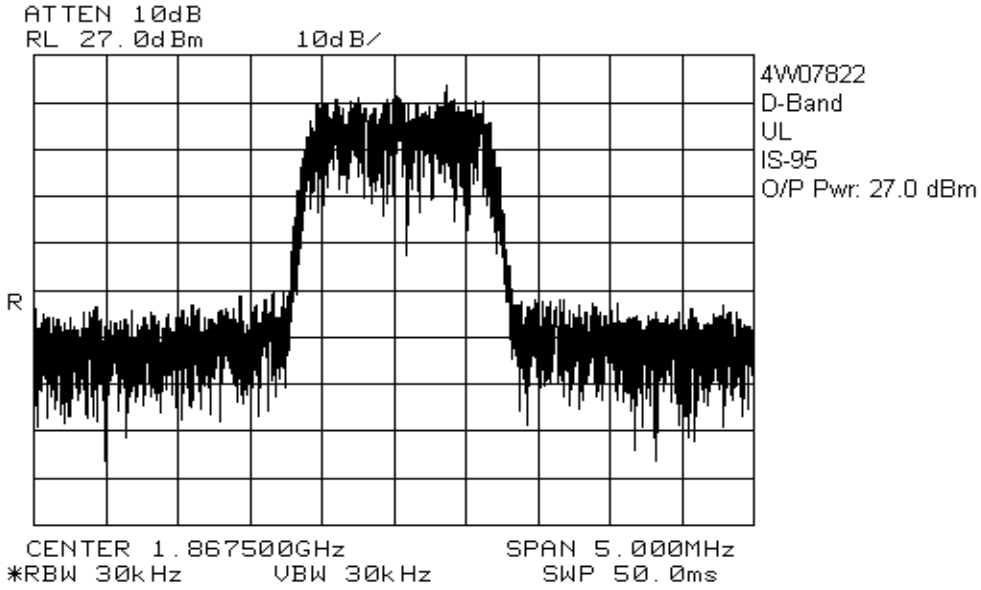


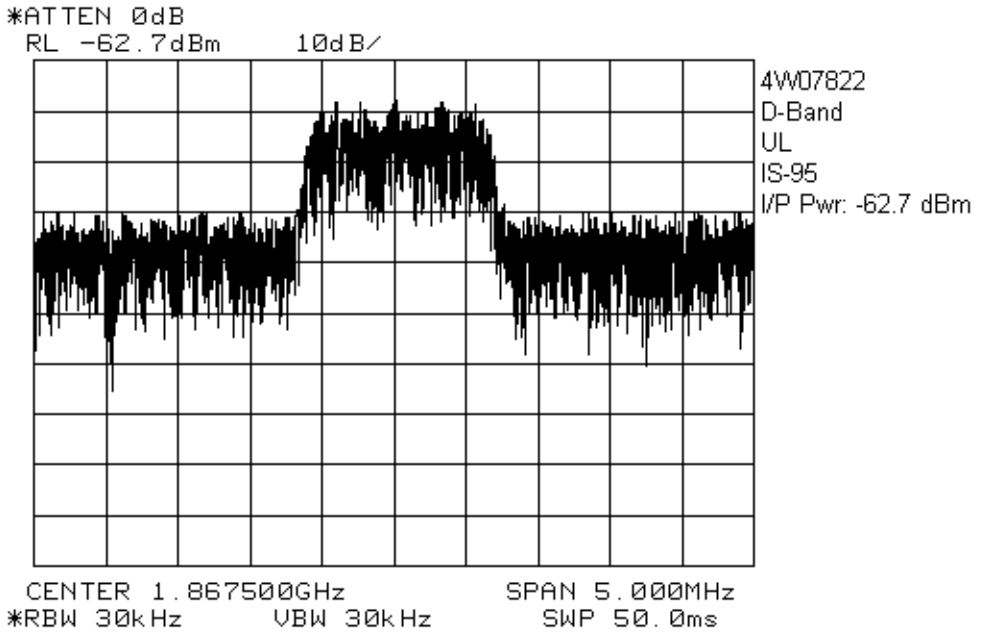
MW-BDA-PCS-D-50W90 CDMA Repeater
Uplink, IS-136



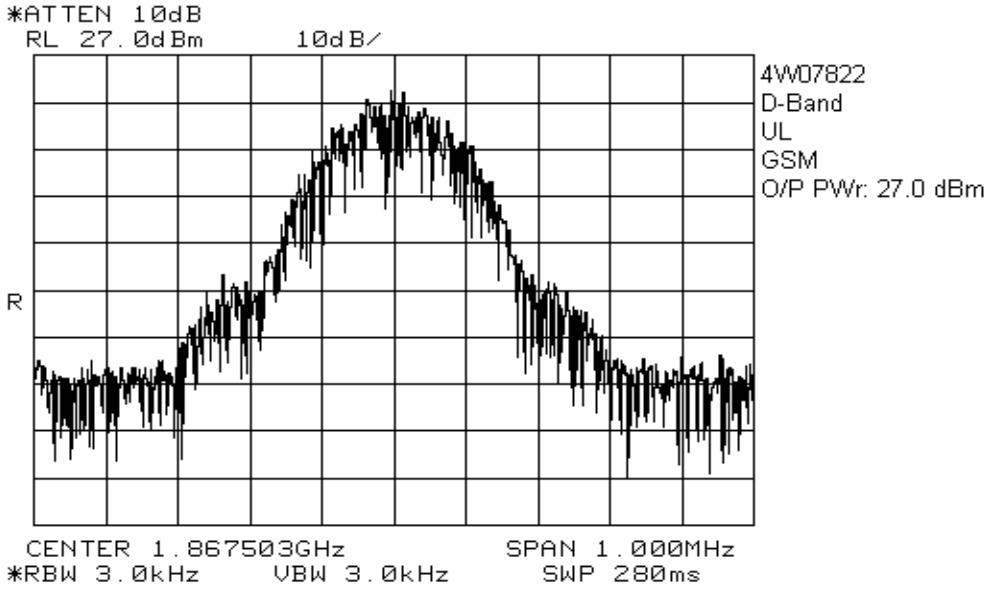


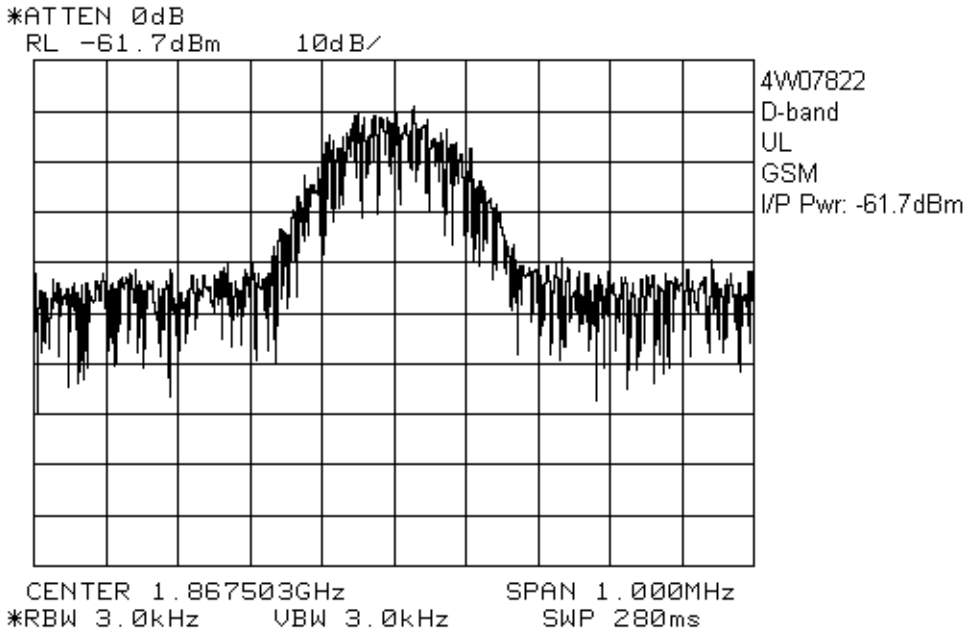
Uplink, IS-95


ATTEN 10dB
RL 27.0dBm
10dB/
R
4W07822
D-Band
UL
IS-95
O/P Pwr: 27.0 dBm
CENTER 1.867500GHz
SPAN 5.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

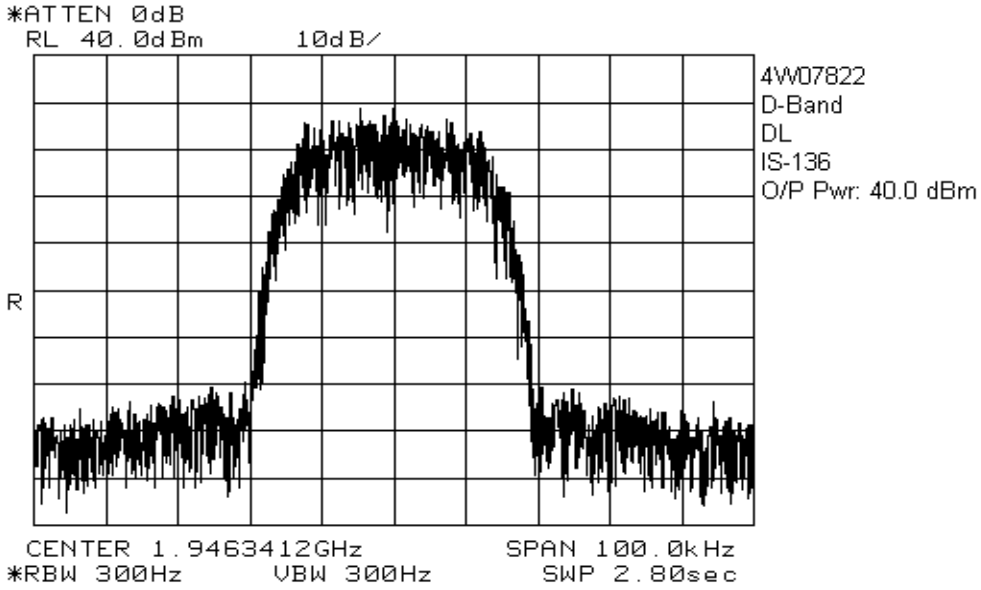

*ATTEN 0dB
RL -62.7dBm
10dB/
4W07822
D-Band
UL
IS-95
I/P Pwr: -62.7 dBm
CENTER 1.867500GHz
SPAN 5.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

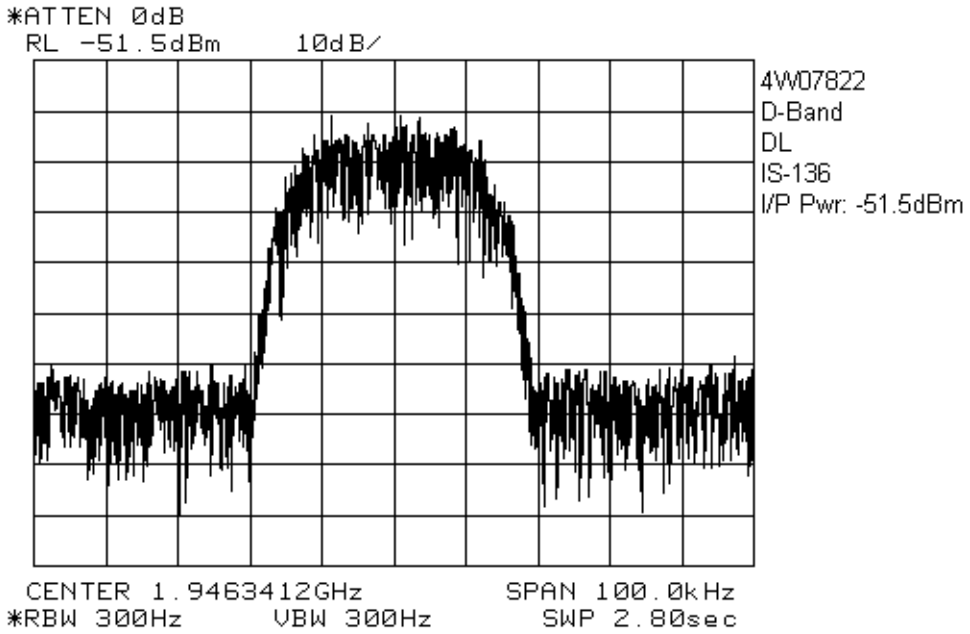
Uplink, GSM


*ATTEN 10dB
RL 27.0dBm
10dB/
R
4W07822
D-Band
UL
GSM
O/P PWr: 27.0 dBm
CENTER 1.867503GHz
SPAN 1.000MHz
*RBW 3.0kHz
VBW 3.0kHz
SWP 280ms

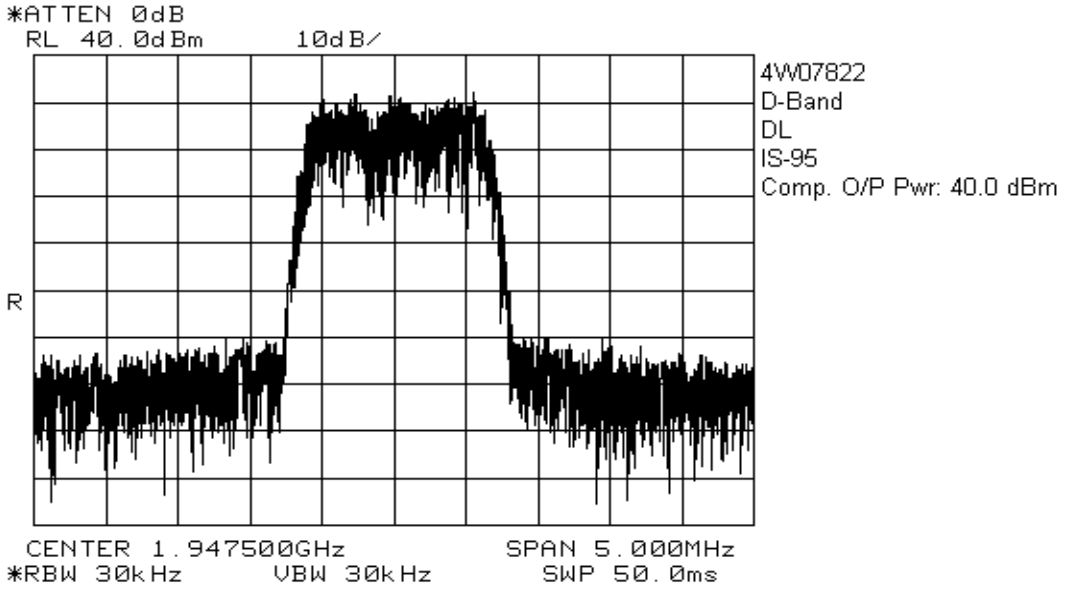

*ATTEN 0dB
RL -61.7dBm
10dB/
4W07822
D-band
UL
GSM
I/P Pwr: -61.7dBm
CENTER 1.867503GHz
SPAN 1.000MHz
*RBW 3.0kHz
VBW 3.0kHz
SWP 280ms

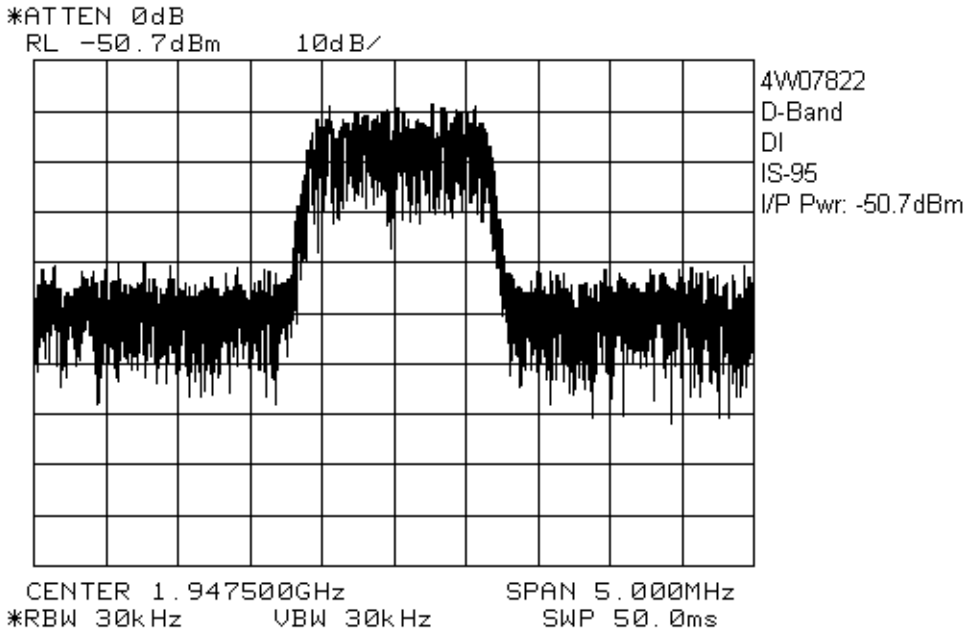
Downlink, IS-136



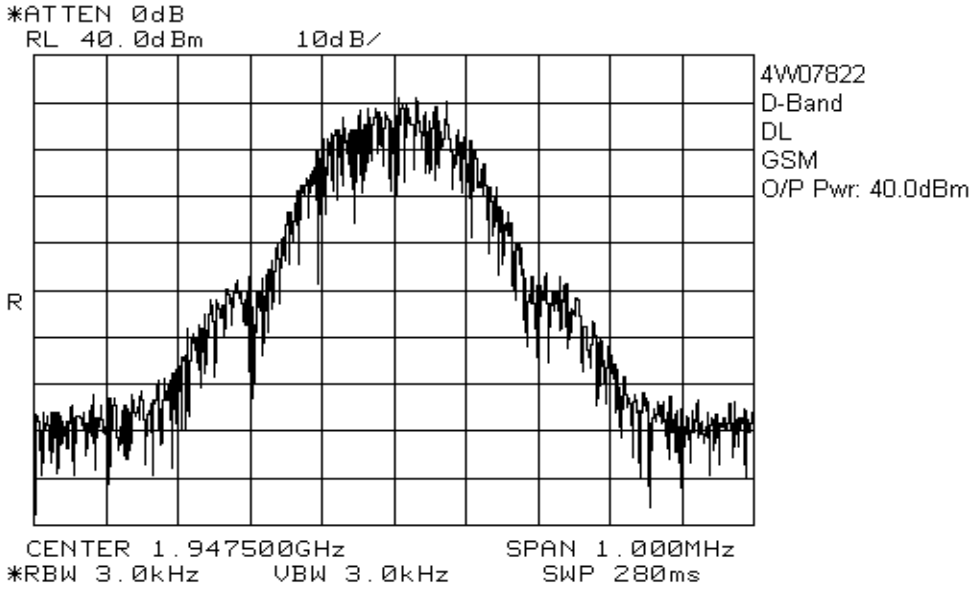


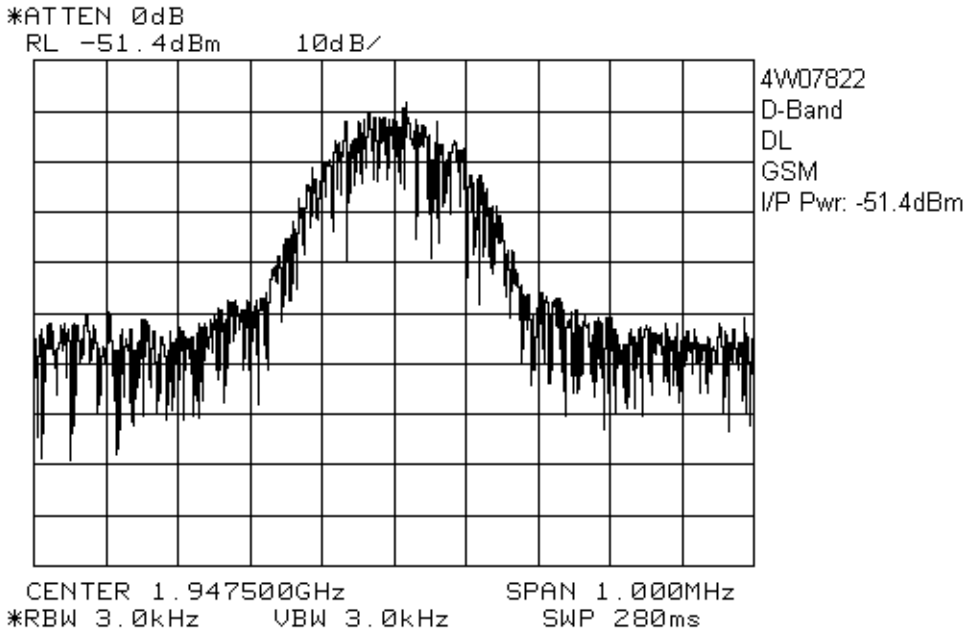
Downlink, IS-95





Downlink, GSM





Section 5. Spurious Emissions at Antenna Terminals

Para. No.: 2.1051

Test Performed By: Kevin Carr	**Date of Test: 18 Feb. 2004**

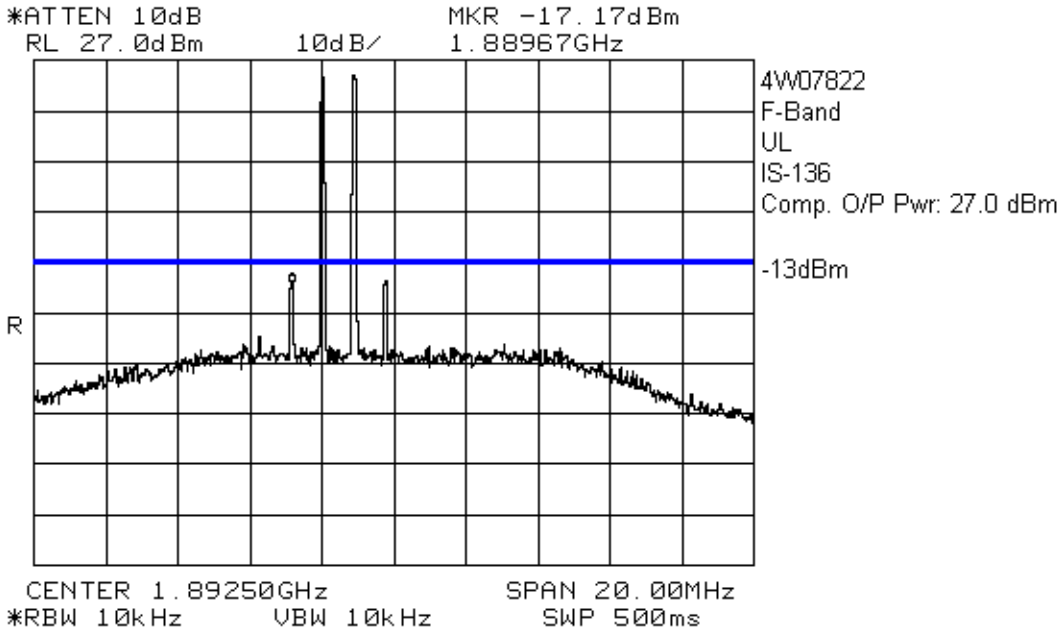
Minimum Standard: Para. No.: 24.238.

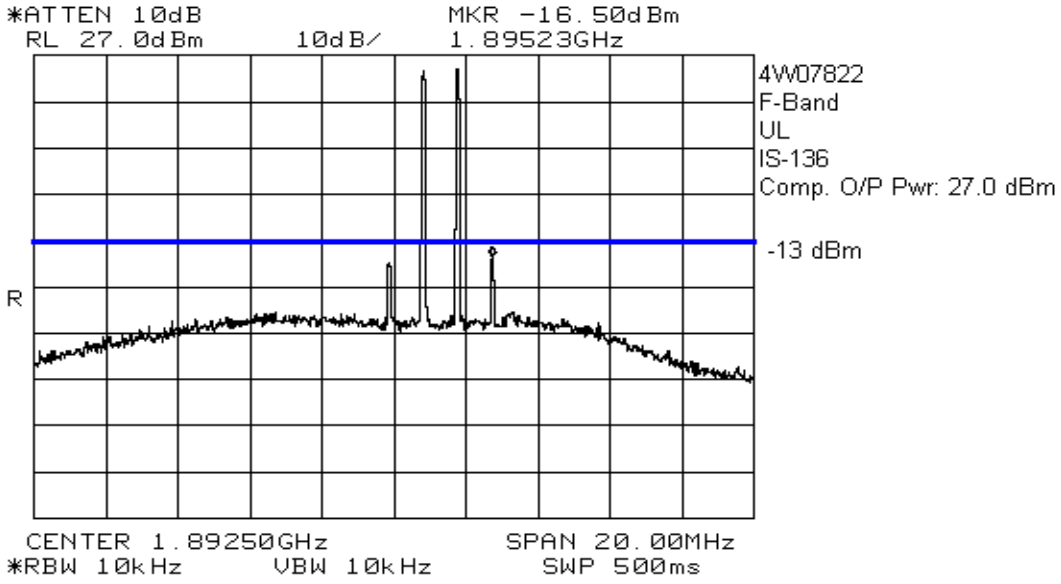
Test Results: Complied

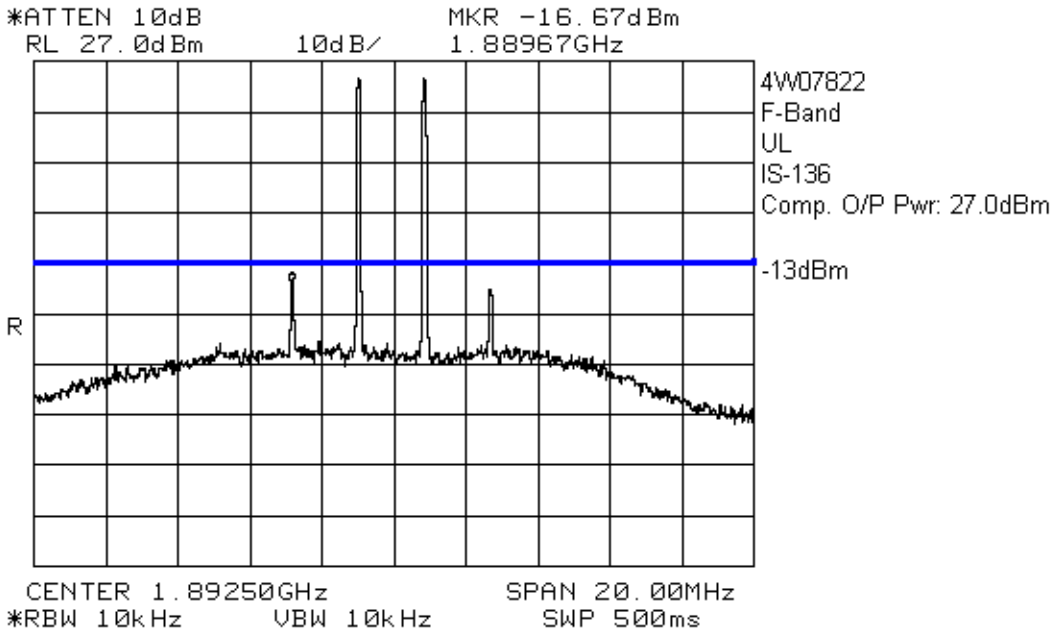
Test Data: See attached graph(s).

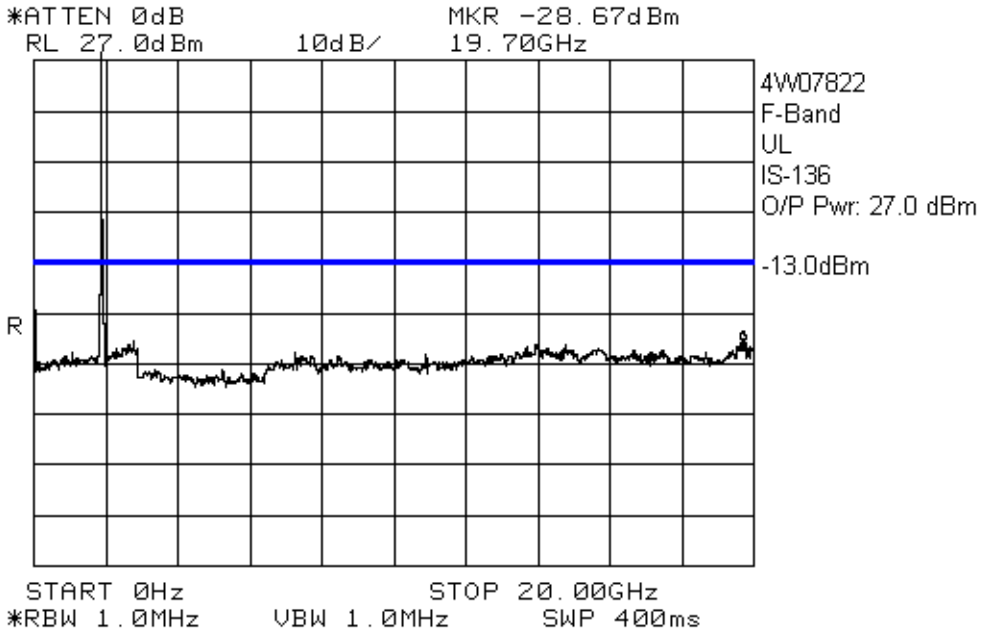
MW-BDA-PCS-F-50W90

Uplink, IS-136

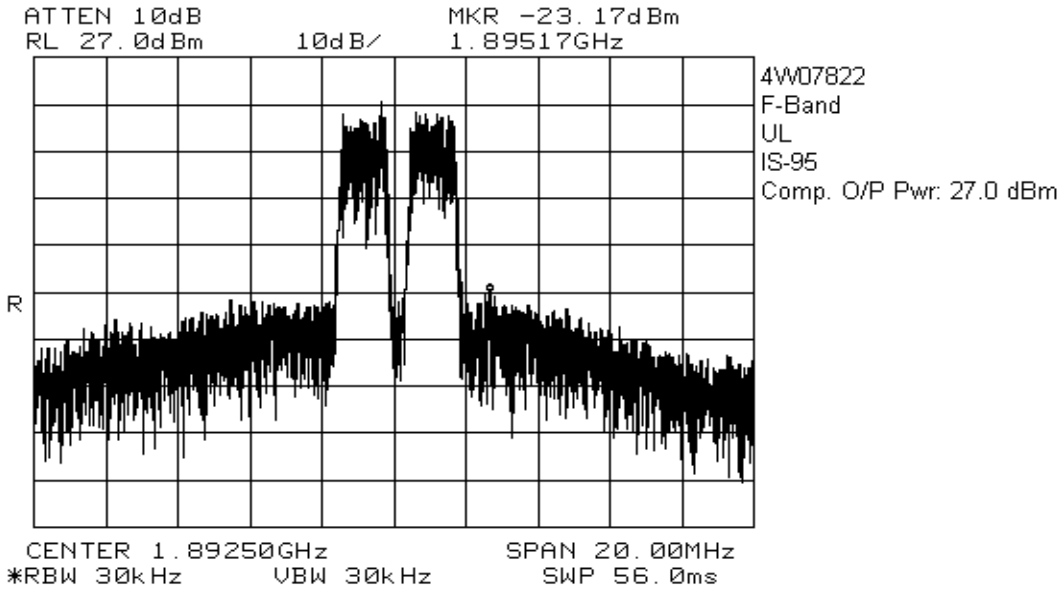


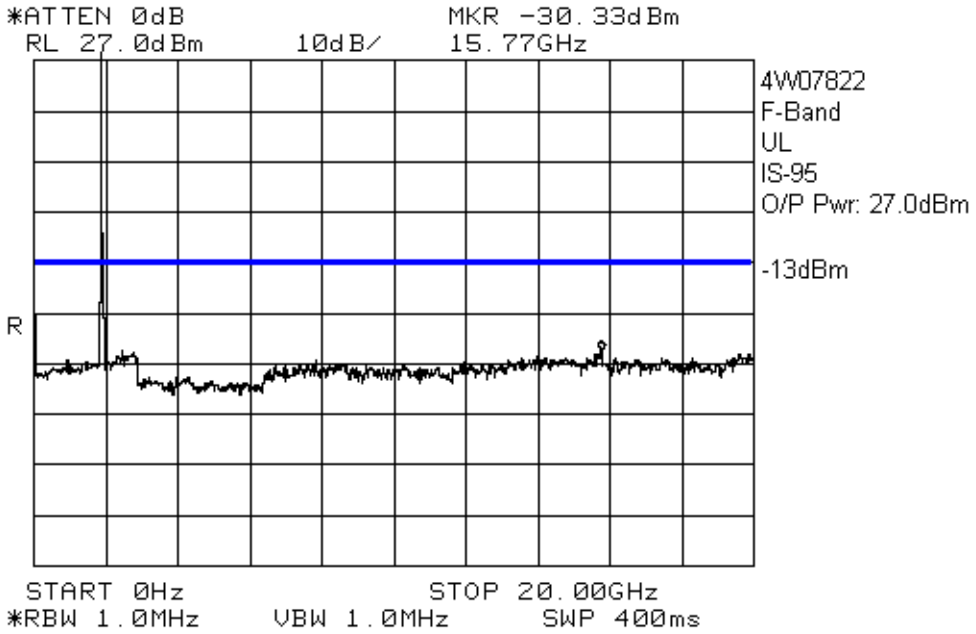



*ATTEN 10dB
MKR -16.67dBm
RL 27.0dBm
10dB/
1.88967GHz
4W07822
F-Band
UL
IS-136
Comp. O/P Pwr: 27.0dBm
-13dBm
R
CENTER 1.89250GHz
SPAN 20.00MHz
*RBW 10kHz
VBW 10kHz
SWP 500ms

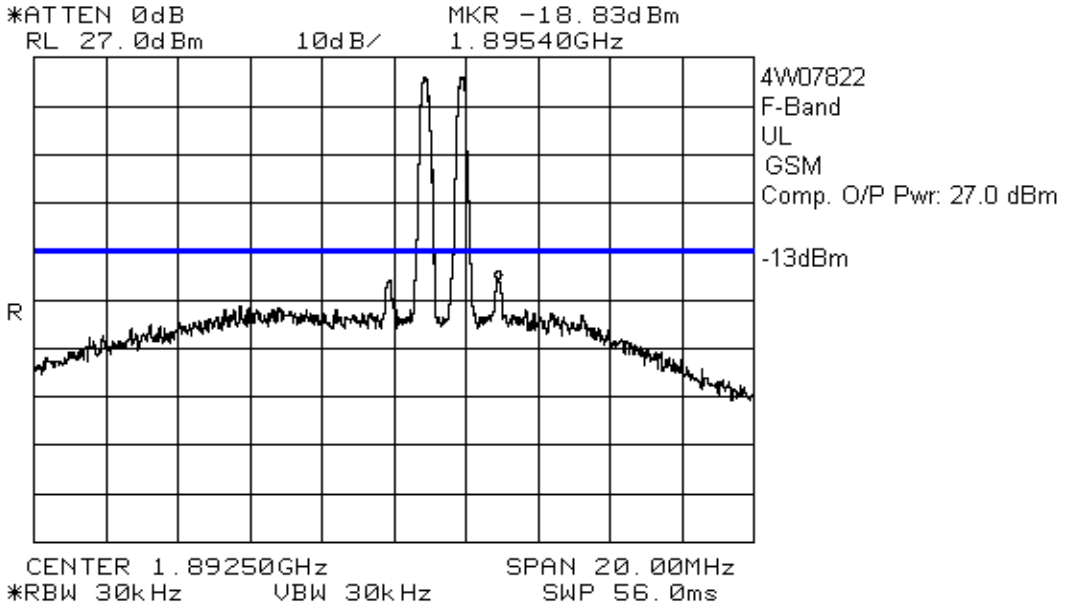

*ATTEN 0dB
MKR -28.67dBm
RL 27.0dBm
10dB/
19.70GHz
4W07822
F-Band
UL
IS-136
O/P Pwr: 27.0 dBm
-13.0dBm
R
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

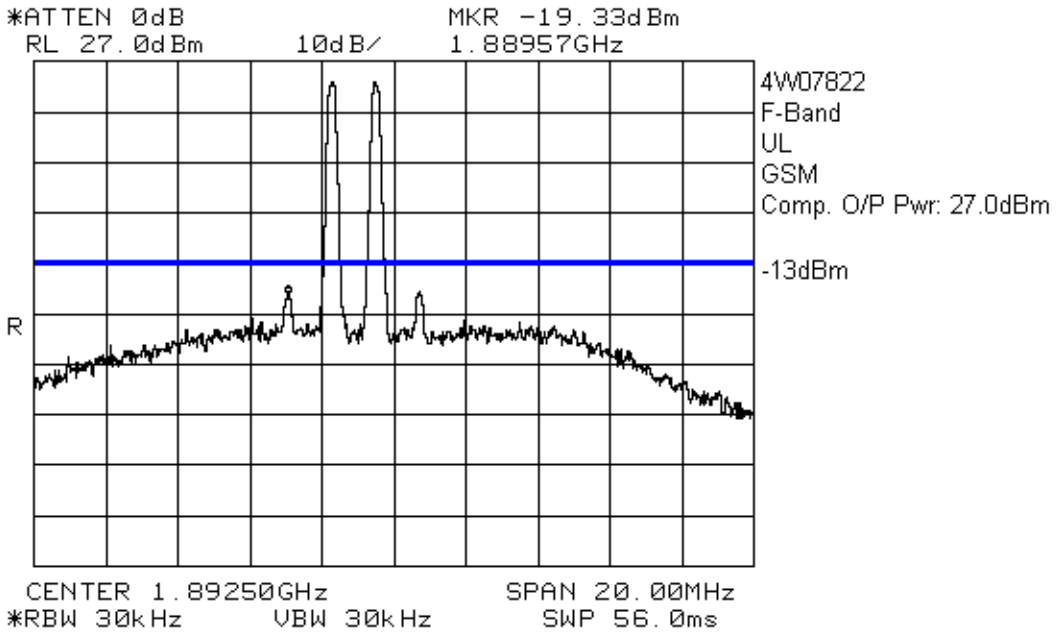
Uplink, IS-95

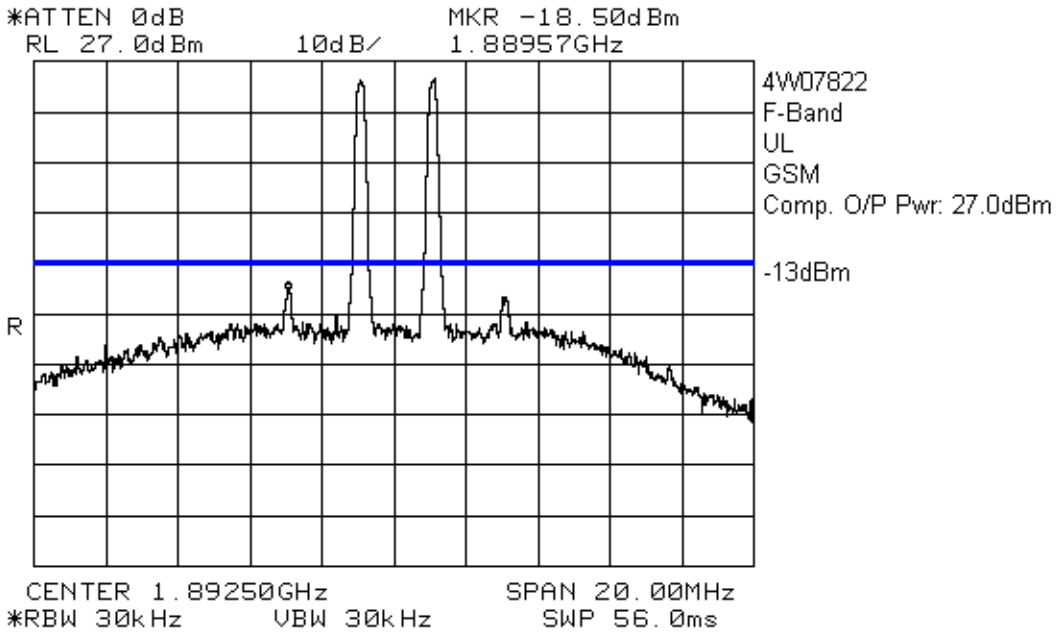

ATTEN 10dB
RL 27.0dBm
10dB/
MKR -23.17dBm
1.89517GHz
4WO7822
F-Band
UL
IS-95
Comp. O/P Pwr: 27.0 dBm
R
CENTER 1.89250GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

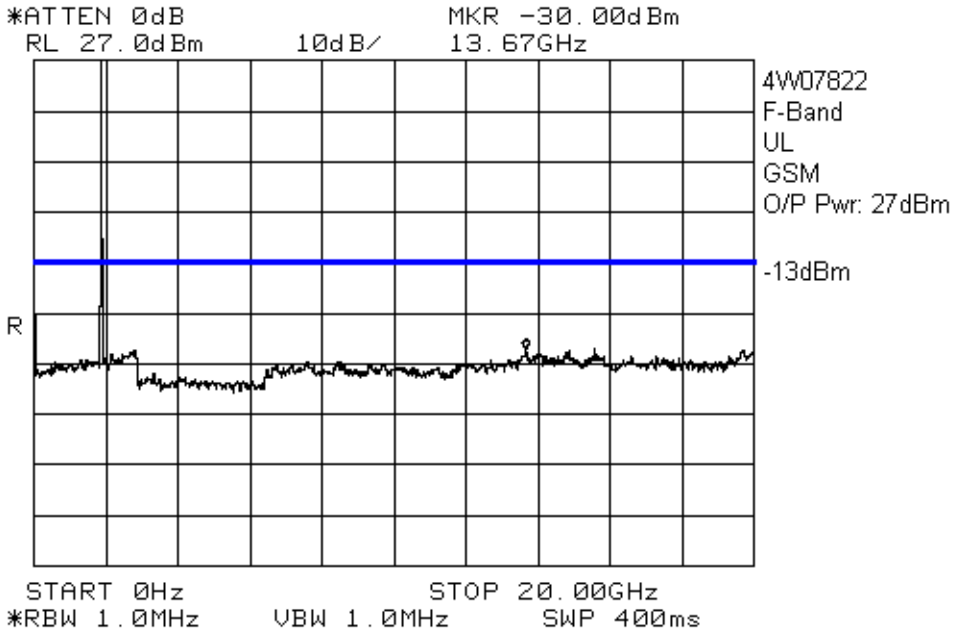

*ATTEN 0dB
RL 27.0dBm
10dB/
MKR -30.33dBm
15.77GHz
4WO7822
F-Band
UL
IS-95
O/P Pwr: 27.0dBm
-13dBm
R
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

Uplink, GSM

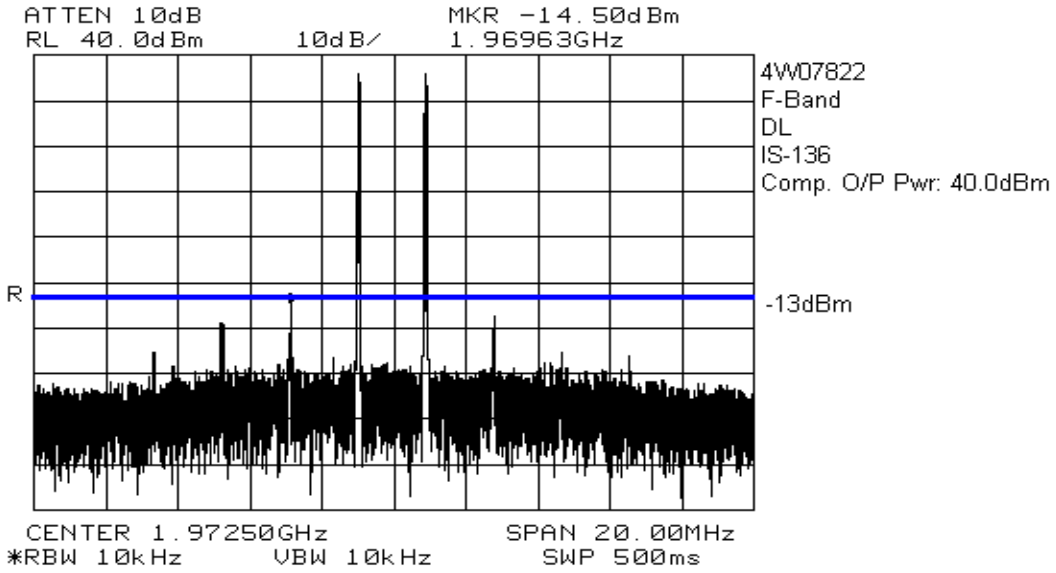

*ATTEN 0dB
MKR -18.83dBm
RL 27.0dBm
10dB/
1.89540GHz
4W07822
F-Band
UL
GSM
Comp. O/P Pwr: 27.0 dBm
-13dBm
R
CENTER 1.89250GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

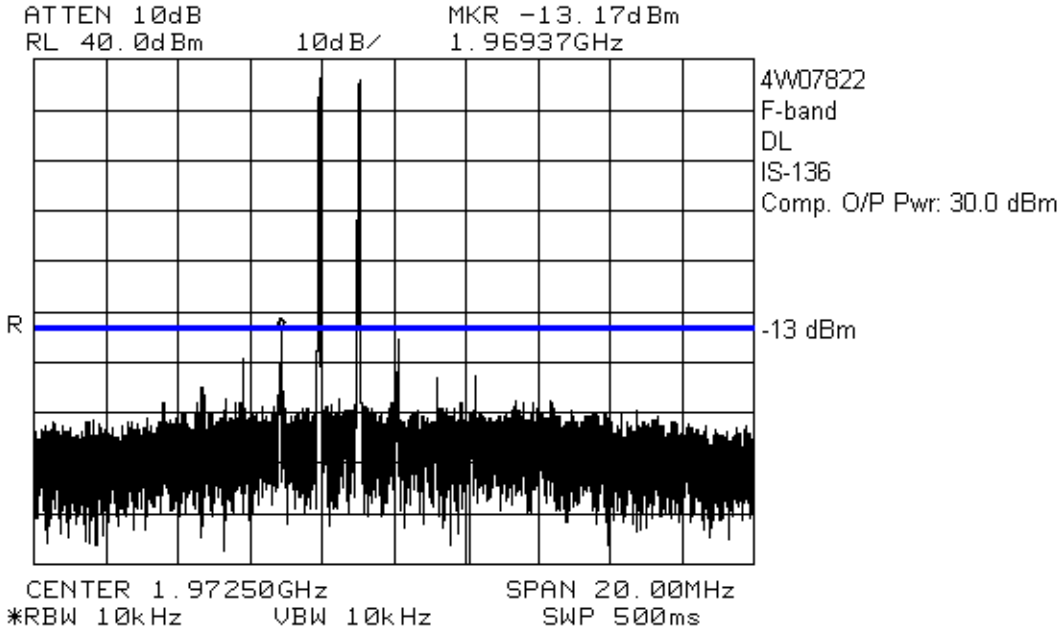

*ATTEN 0dB
MKR -19.33dBm
RL 27.0dBm
10dB/
1.88957GHz
4W07822
F-Band
UL
GSM
Comp. O/P Pwr: 27.0dBm
-13dBm
R
CENTER 1.89250GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

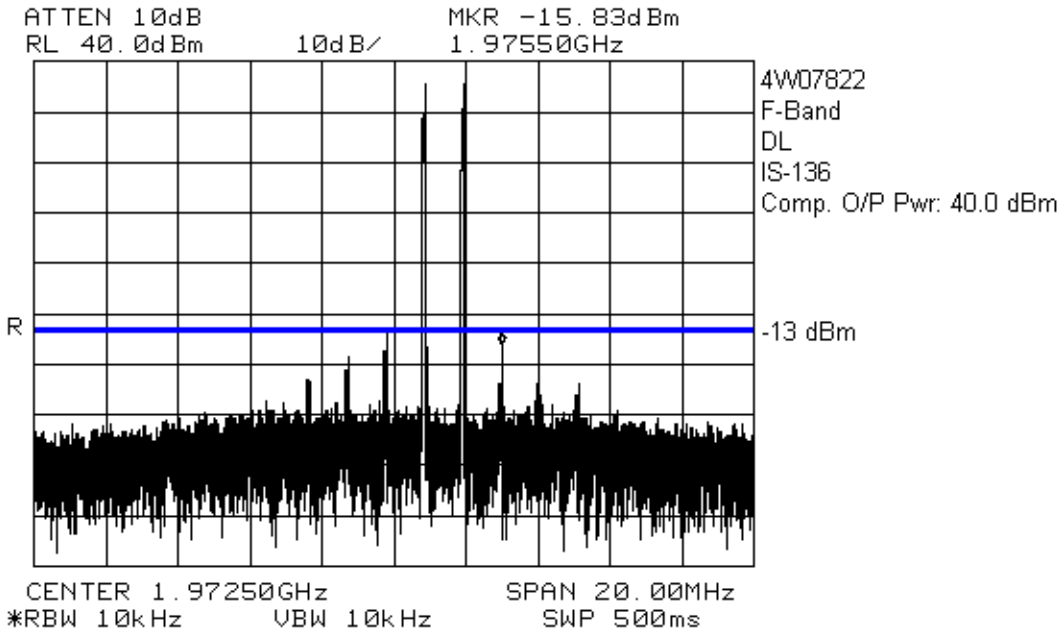

*ATTEN 0dB
MKR -18.50dBm
RL 27.0dBm
10dB/
1.88957GHz
4W07822
F-Band
UL
GSM
Comp. O/P Pwr: 27.0dBm
-13dBm
R
CENTER 1.89250GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

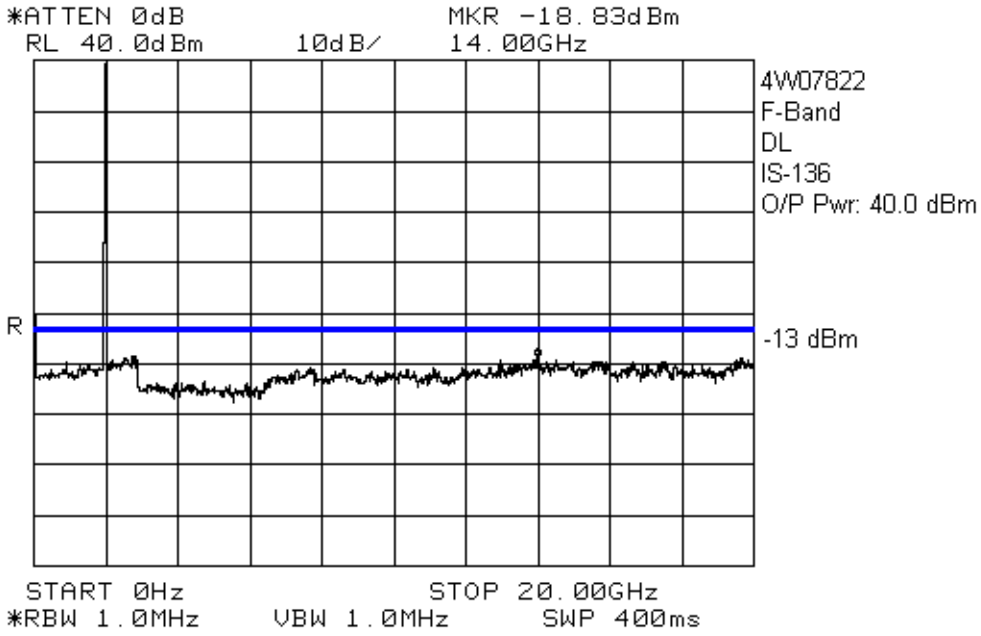

*ATTEN 0dB
MKR -30.00dBm
RL 27.0dBm
10dB/
13.67GHz
4W07822
F-Band
UL
GSM
O/P Pwr: 27dBm
-13dBm
R
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

Downlink, IS-136

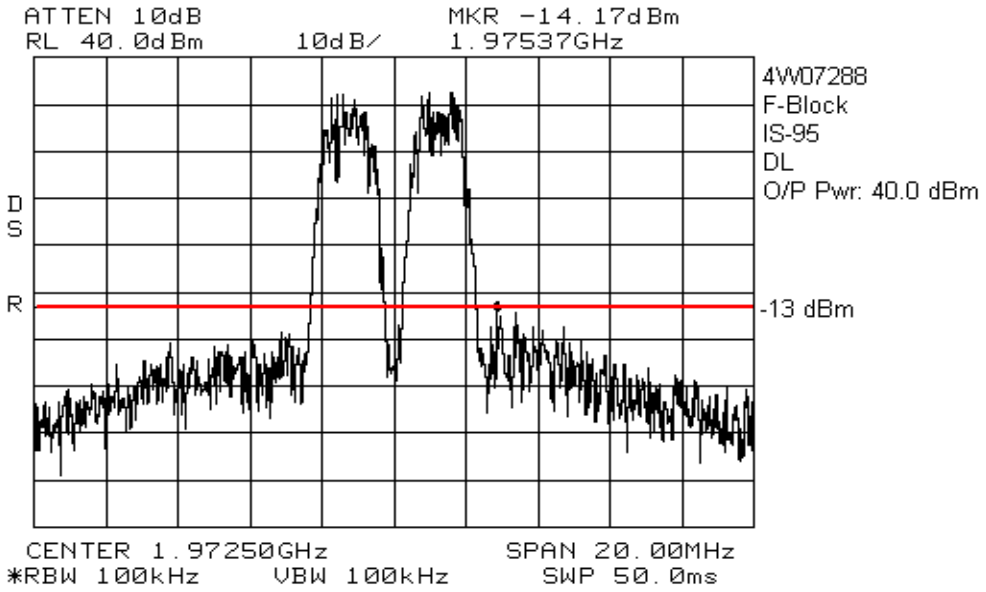


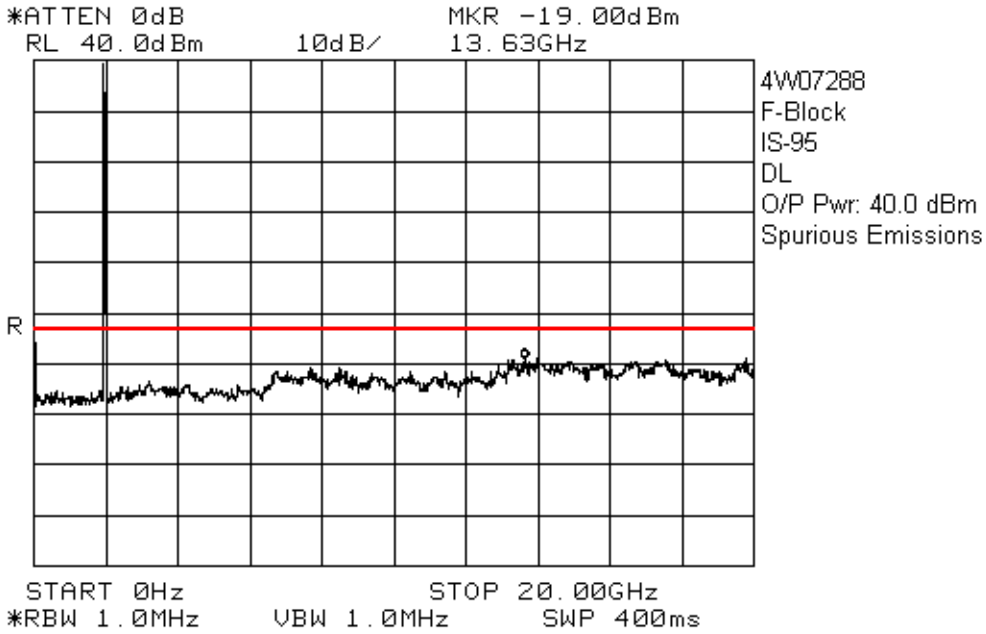



ATTEN 10dB
RL 40.0dBm
10dB/
MKR -15.83dBm
1.97550GHz
4W07822
F-Band
DL
IS-136
Comp. O/P Pwr: 40.0 dBm
R
-13 dBm
CENTER 1.97250GHz
SPAN 20.00MHz
*RBW 10kHz
VBW 10kHz
SWP 500ms

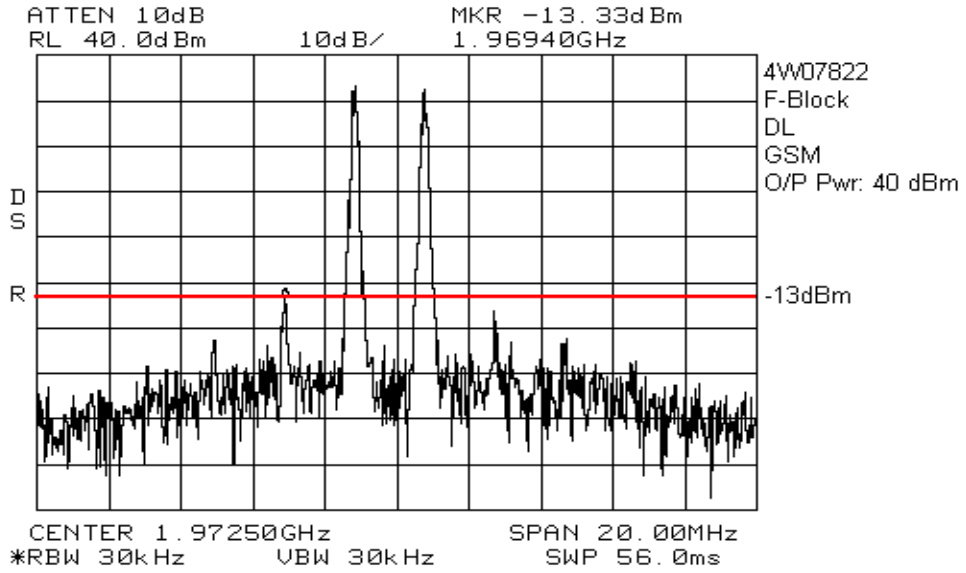

*ATTEN 0dB
RL 40.0dBm
10dB/
MKR -18.83dBm
14.00GHz
4W07822
F-Band
DL
IS-136
O/P Pwr: 40.0 dBm
R
-13 dBm
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

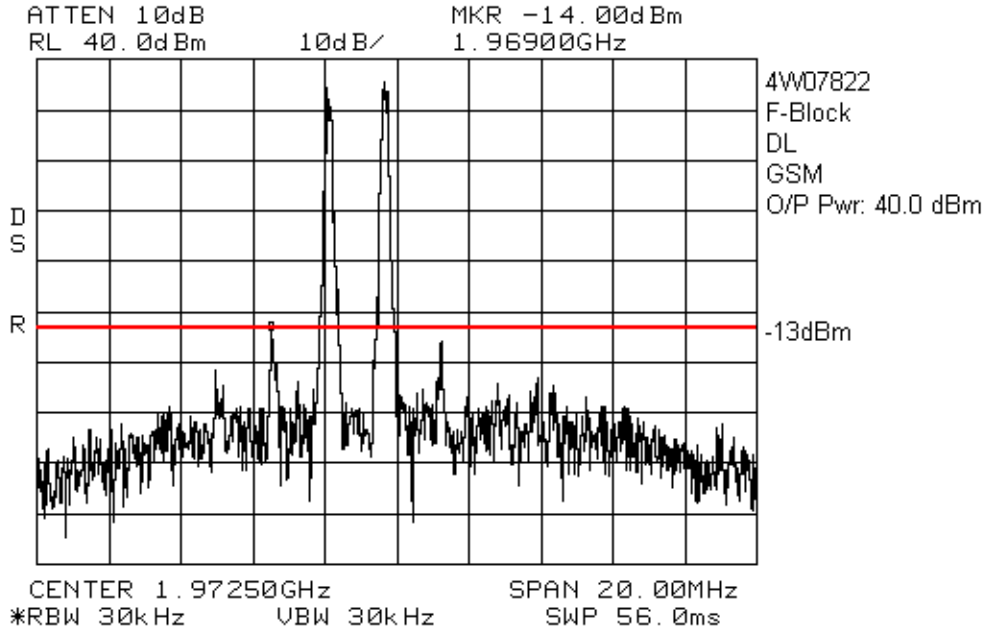
Downlink, IS-95

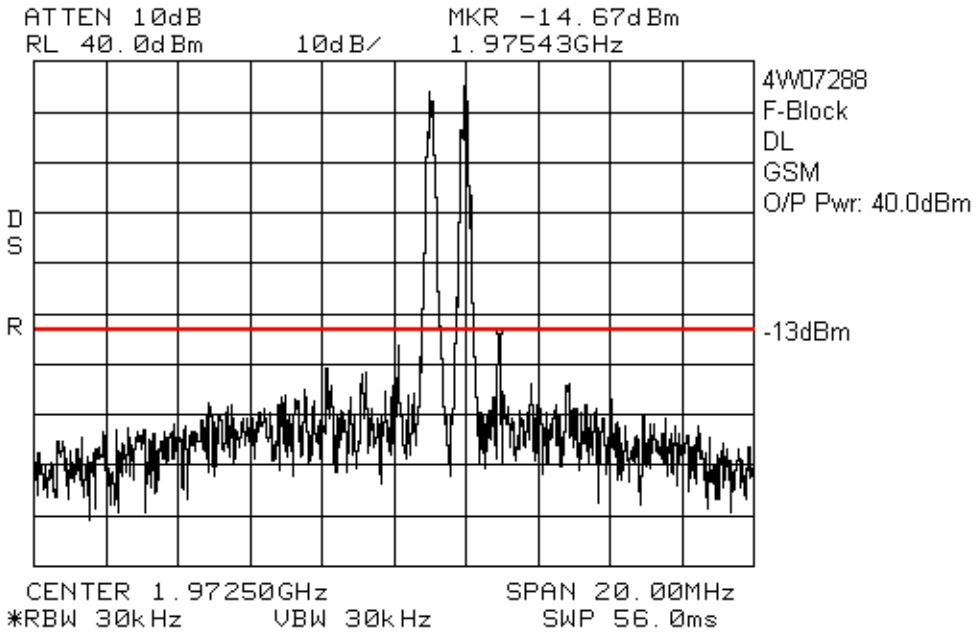


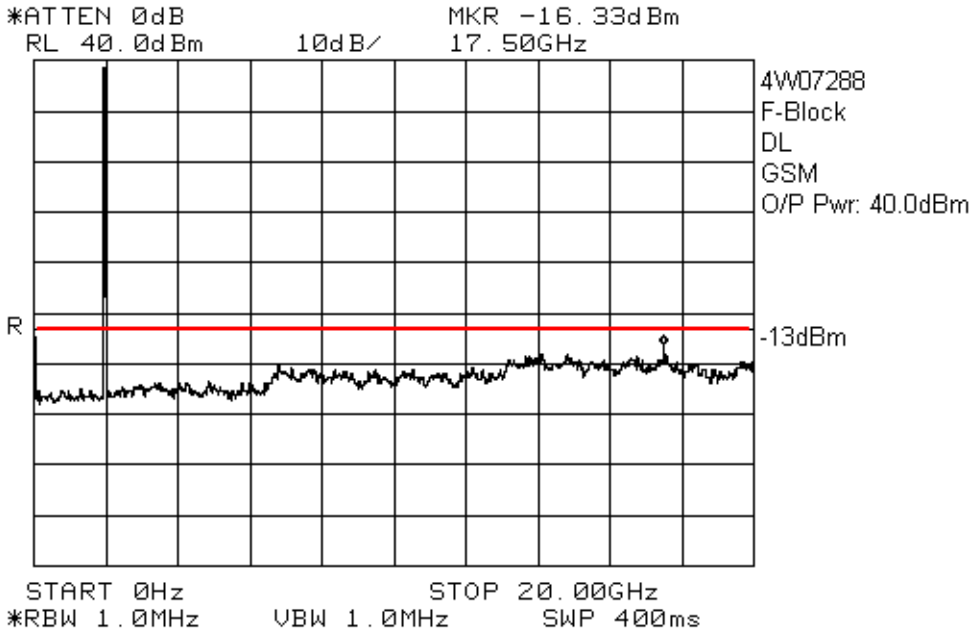


Downlink, GSM



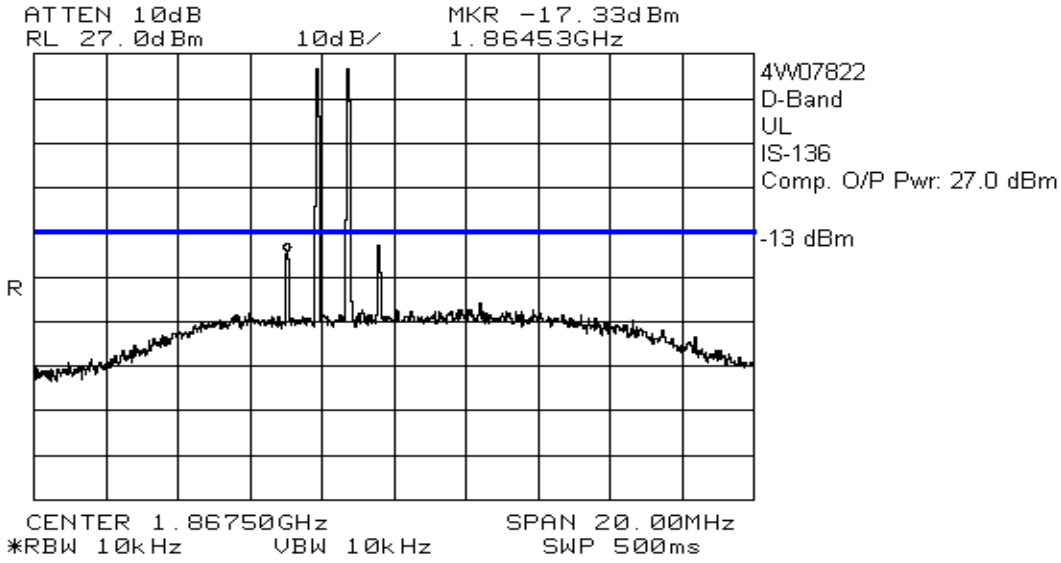


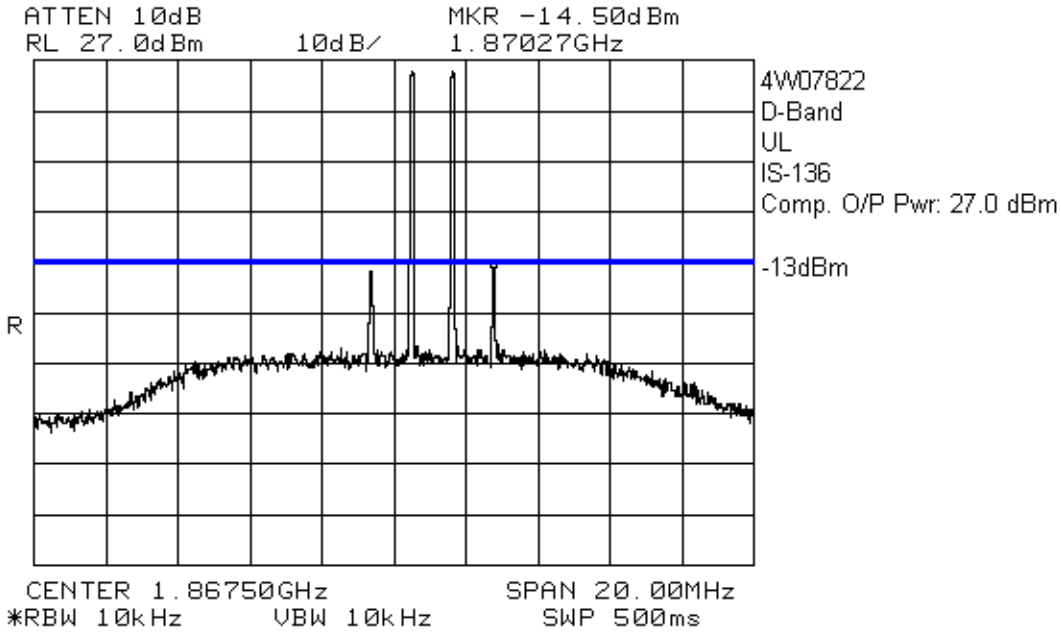

ATTEN 10dB
RL 40.0dBm
10dB/
MKR -14.67dBm
1.97543GHz
4W07288
F-Block
DL
GSM
O/P Pwr: 40.0dBm
D
S
R
-13dBm
CENTER 1.97250GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

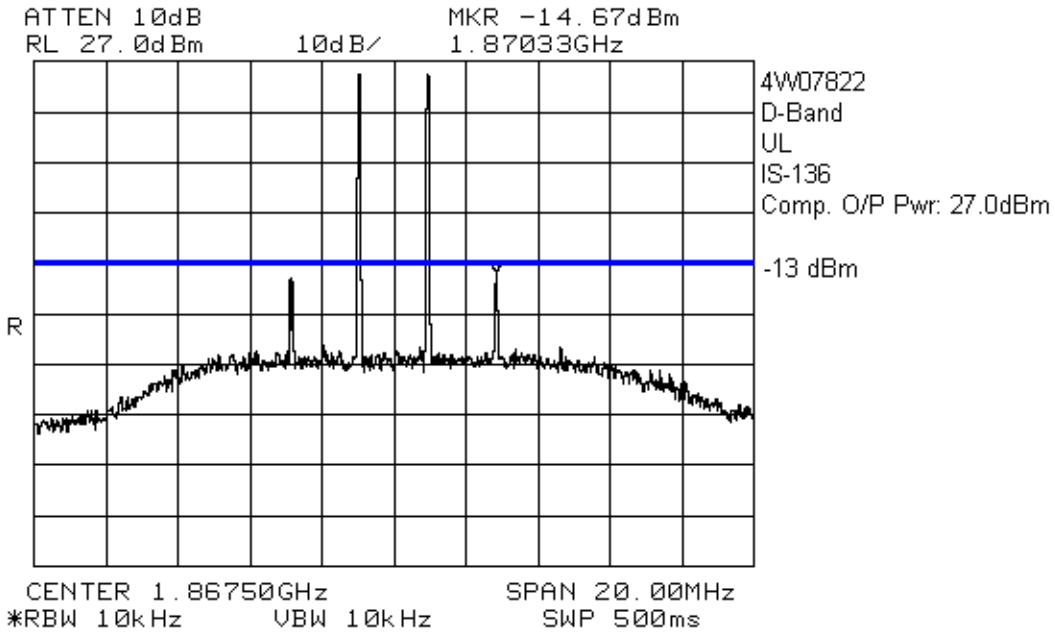

*ATTEN 0dB
RL 40.0dBm
10dB/
MKR -16.33dBm
17.50GHz
4W07288
F-Block
DL
GSM
O/P Pwr: 40.0dBm
R
-13dBm
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

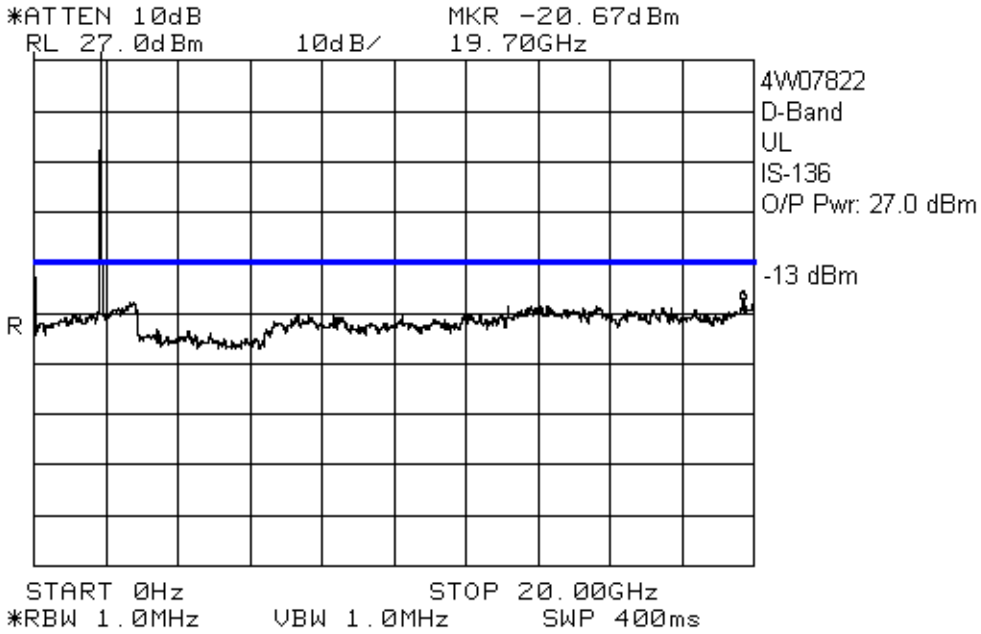
MW-BDA-PCS-D-50W90 CDMA Repeater

Uplink, IS-136

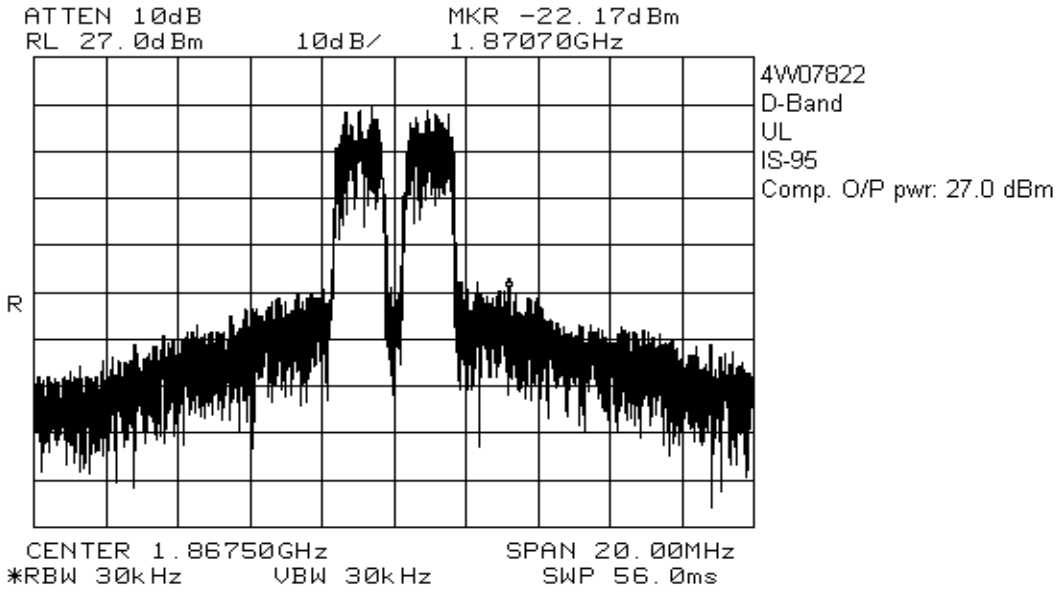


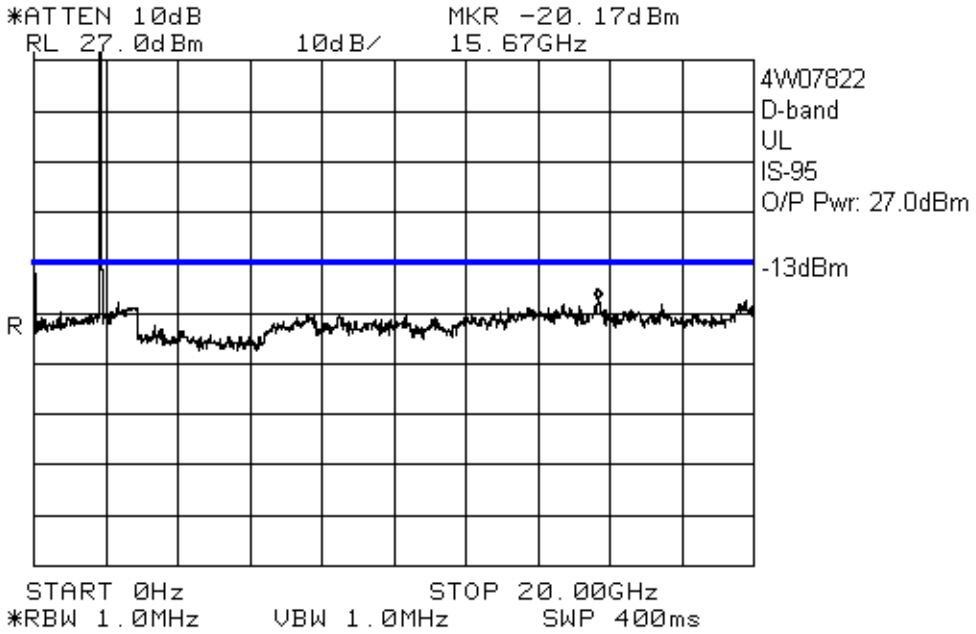



ATTEN 10dB
RL 27.0dBm
10dB/
MKR -14.67dBm
1.87033GHz
4W07822
D-Band
UL
IS-136
Comp. O/P Pwr: 27.0dBm
-13 dBm
R
CENTER 1.86750GHz
SPAN 20.00MHz
*RBW 10kHz
VBW 10kHz
SWP 500ms

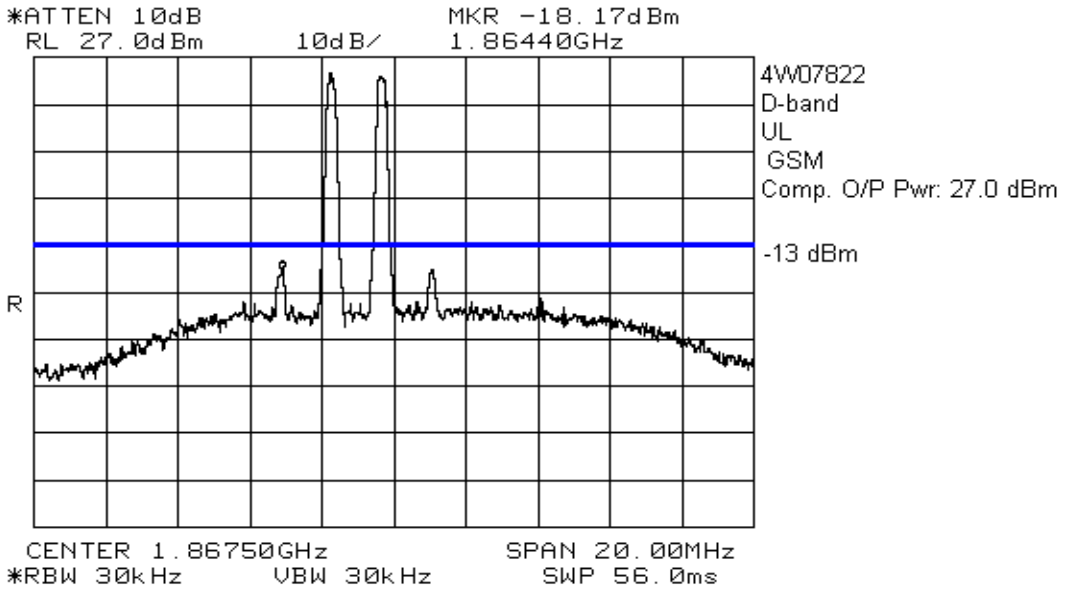

*ATTEN 10dB
RL 27.0dBm
10dB/
MKR -20.67dBm
19.70GHz
4W07822
D-Band
UL
IS-136
O/P Pwr: 27.0 dBm
-13 dBm
R
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

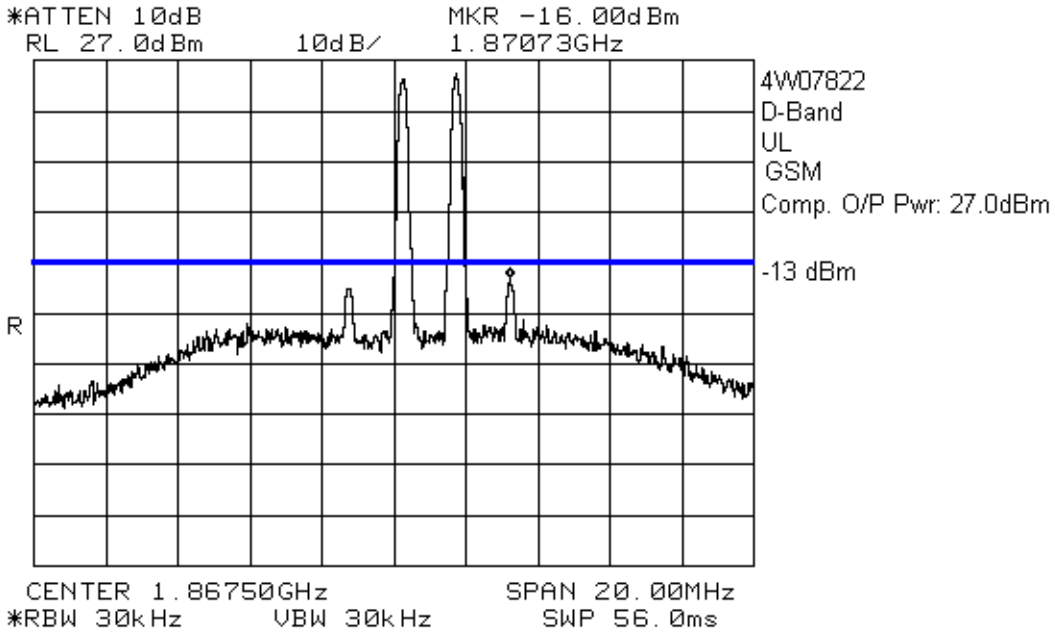
Uplink, IS-95

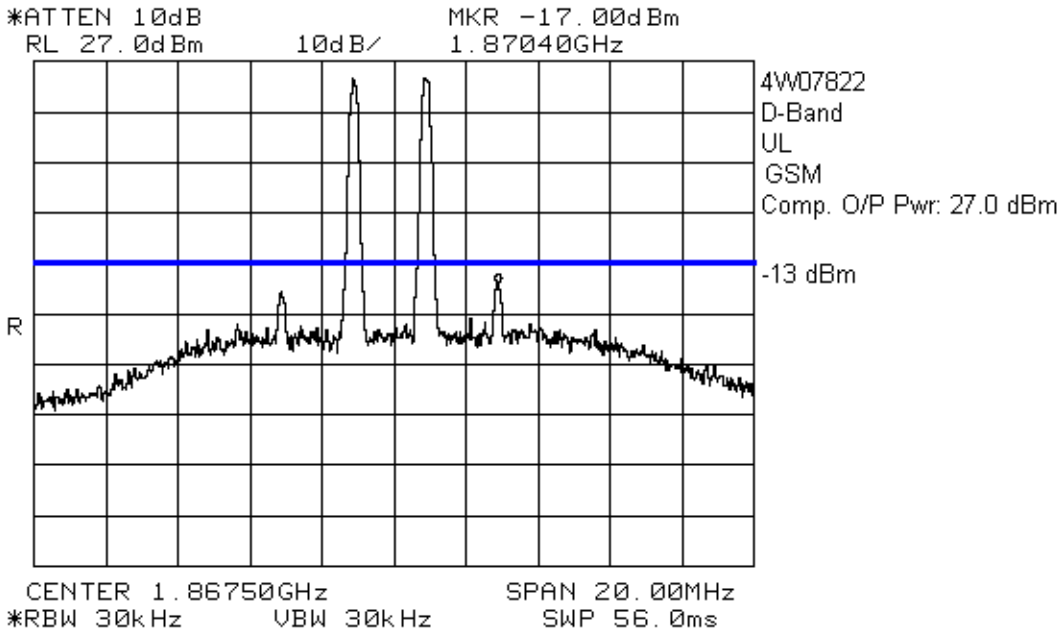

ATTEN 10dB
RL 27.0dBm
10dB/
MKR -22.17dBm
1.87070GHz
4W07822
D-Band
UL
IS-95
Comp. O/P pwr: 27.0 dBm
R
CENTER 1.86750GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

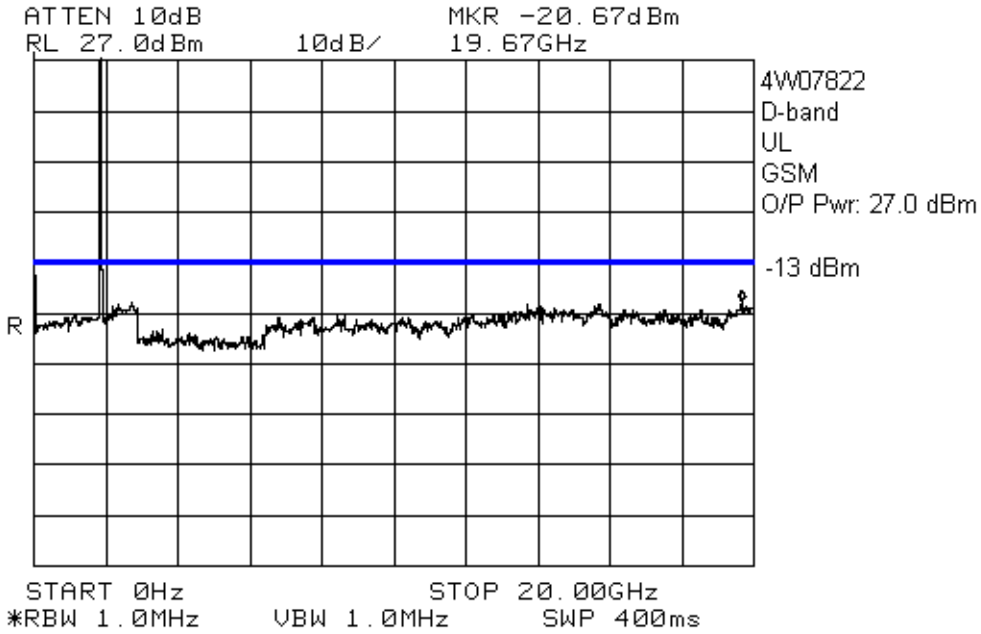

*ATTEN 10dB
RL 27.0dBm
10dB/
MKR -20.17dBm
15.67GHz
4W07822
D-band
UL
IS-95
O/P Pwr: 27.0dBm
-13dBm
R
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

Uplink, GSM

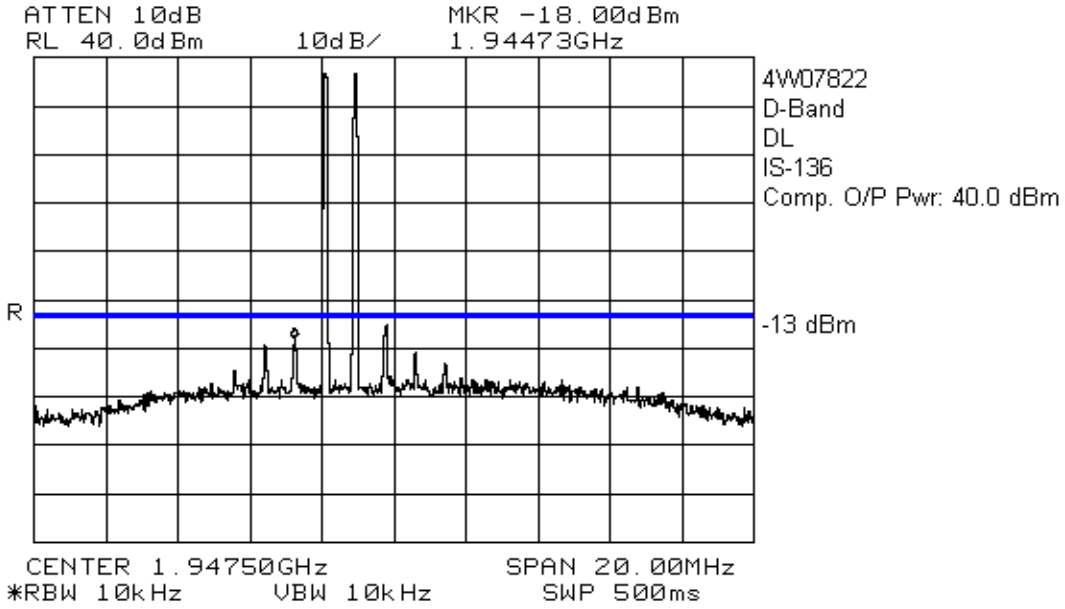

*ATTEN 10dB
RL 27.0dBm
10dB/
MKR -18.17dBm
1.86440GHz
4W07822
D-band
UL
GSM
Comp. O/P Pwr: 27.0 dBm
-13 dBm
R
CENTER 1.86750GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

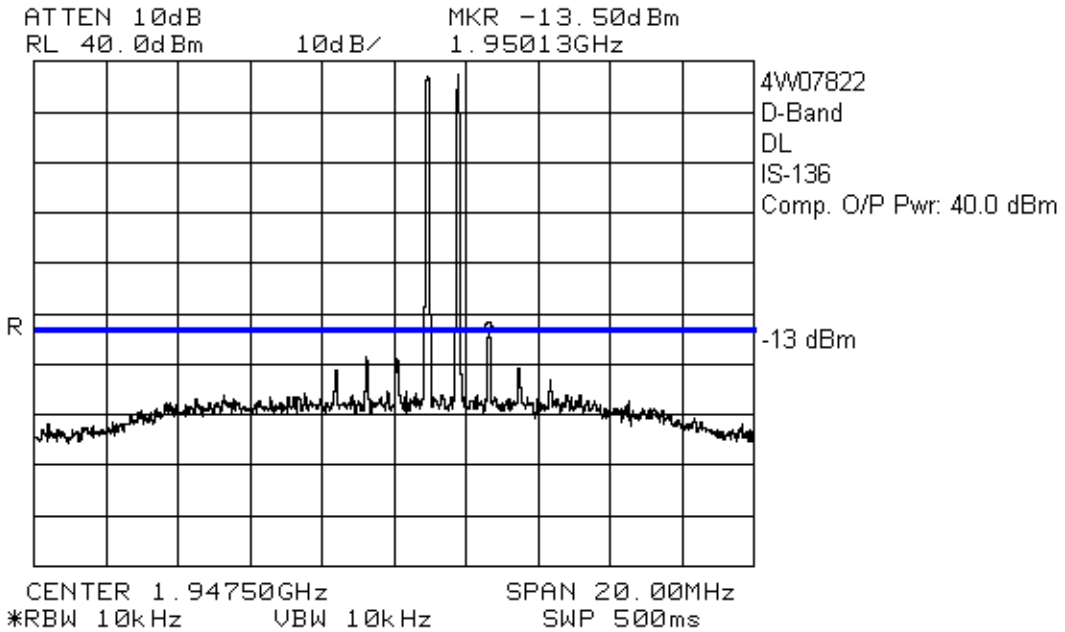

*ATTEN 10dB
RL 27.0dBm
10dB/
MKR -16.00dBm
1.87073GHz
4W07822
D-Band
UL
GSM
Comp. O/P Pwr: 27.0dBm
-13 dBm
R
CENTER 1.86750GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

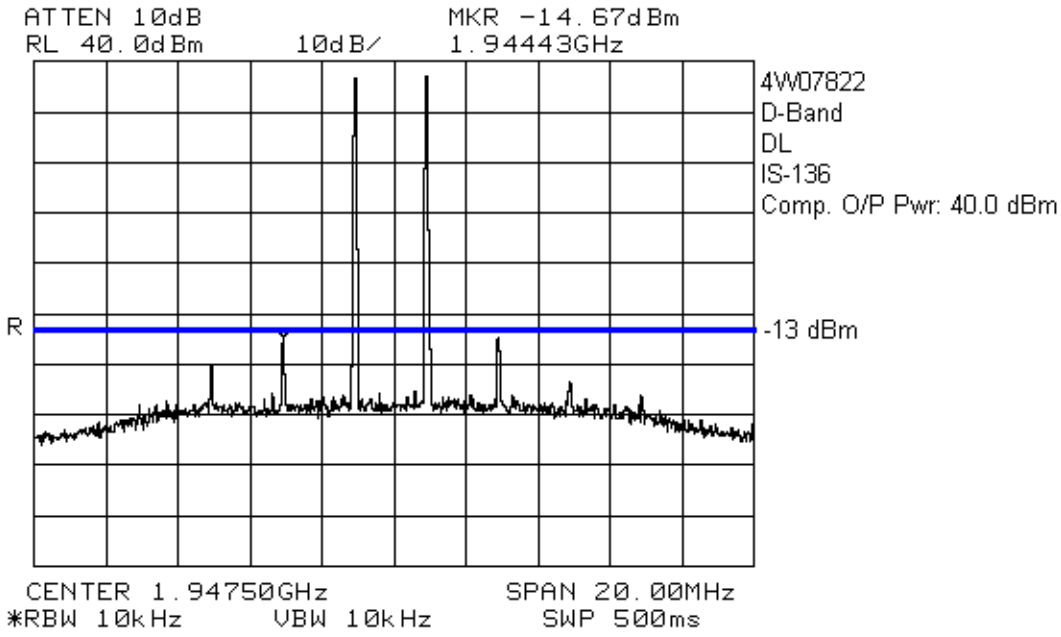

*ATTEN 10dB
RL 27.0dBm
10dB/
MKR -17.00dBm
1.87040GHz
4W07822
D-Band
UL
GSM
Comp. O/P Pwr: 27.0 dBm
-13 dBm
R
CENTER 1.86750GHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

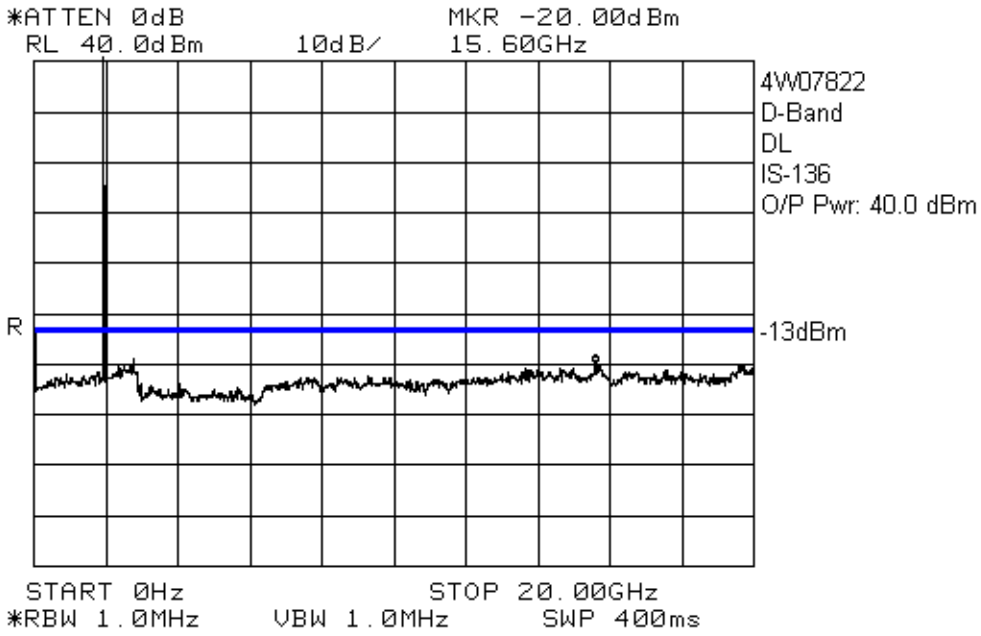

ATTEN 10dB
RL 27.0dBm
10dB/
MKR -20.67dBm
19.67GHz
4W07822
D-band
UL
GSM
O/P Pwr: 27.0 dBm
-13 dBm
R
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

Downlink, IS-136

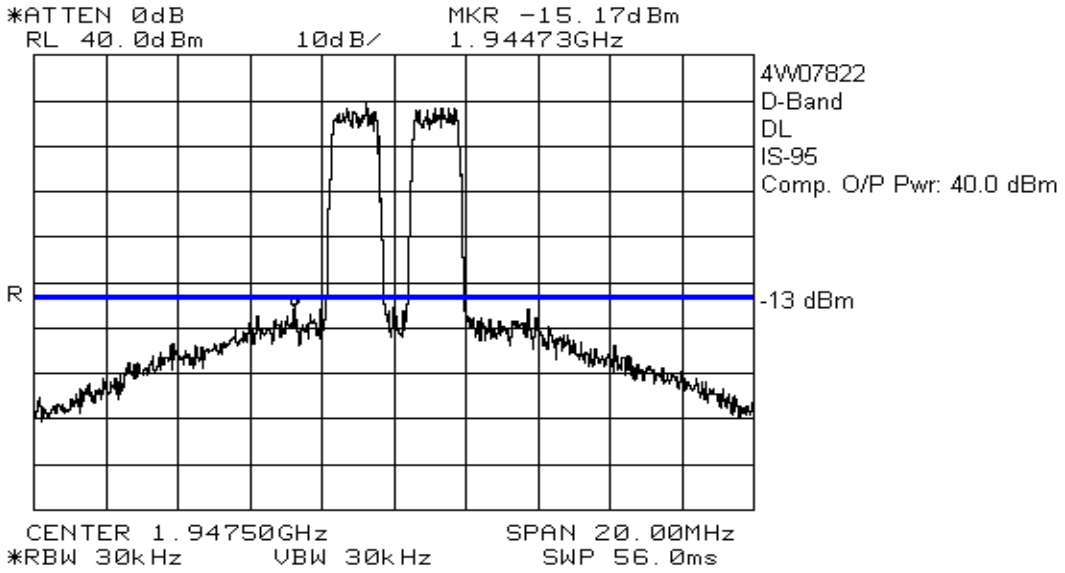


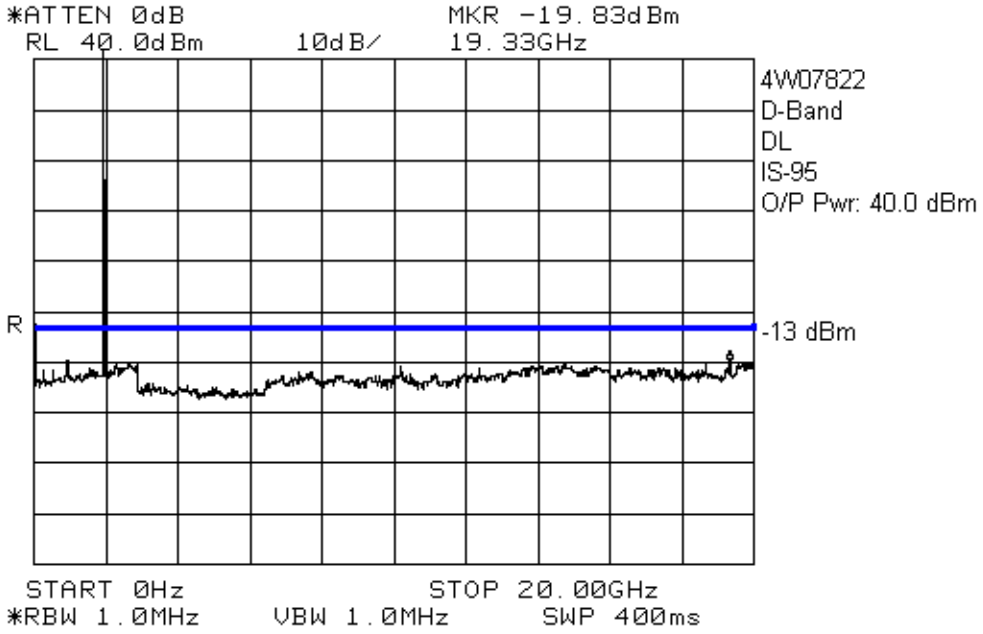



ATTEN 10dB
RL 40.0dBm
10dB/
MKR -14.67dBm
1.94443GHz
4W07822
D-Band
DL
IS-136
Comp. O/P Pwr: 40.0 dBm
R
-13 dBm
CENTER 1.94750GHz
SPAN 20.00MHz
*RBW 10kHz
VBW 10kHz
SWP 500ms

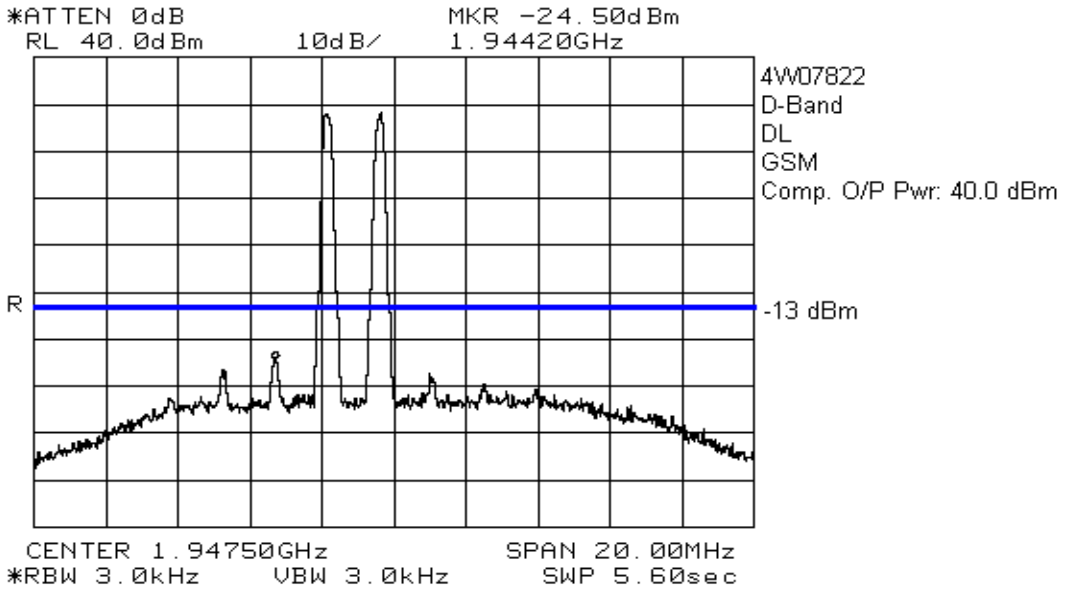

*ATTEN 0dB
RL 40.0dBm
10dB/
MKR -20.00dBm
15.60GHz
4W07822
D-Band
DL
IS-136
O/P Pwr: 40.0 dBm
R
-13dBm
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

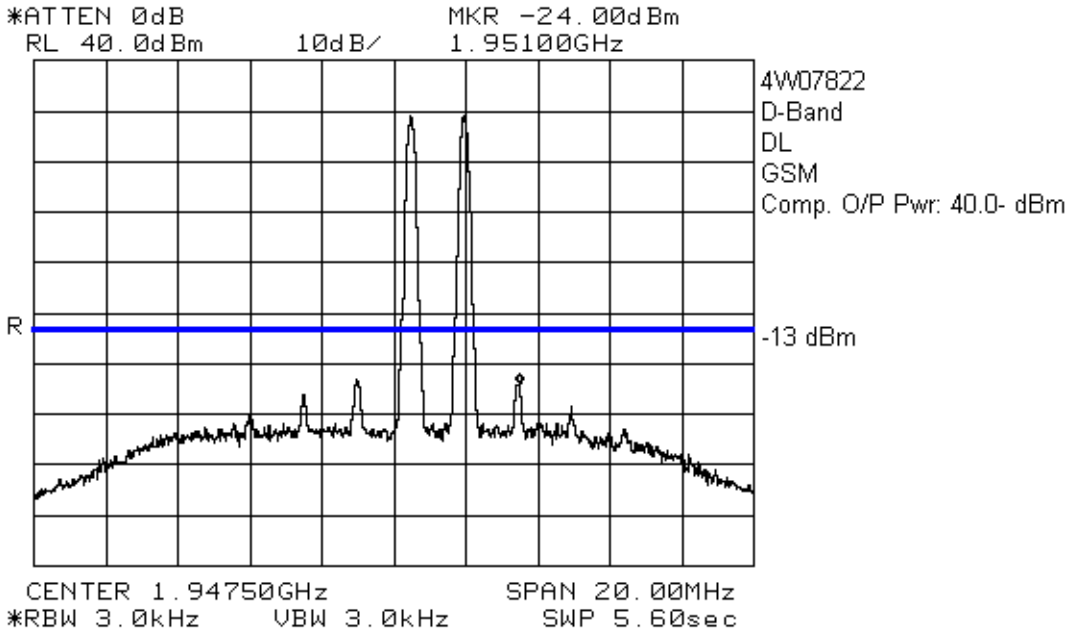
Downlink, IS-95

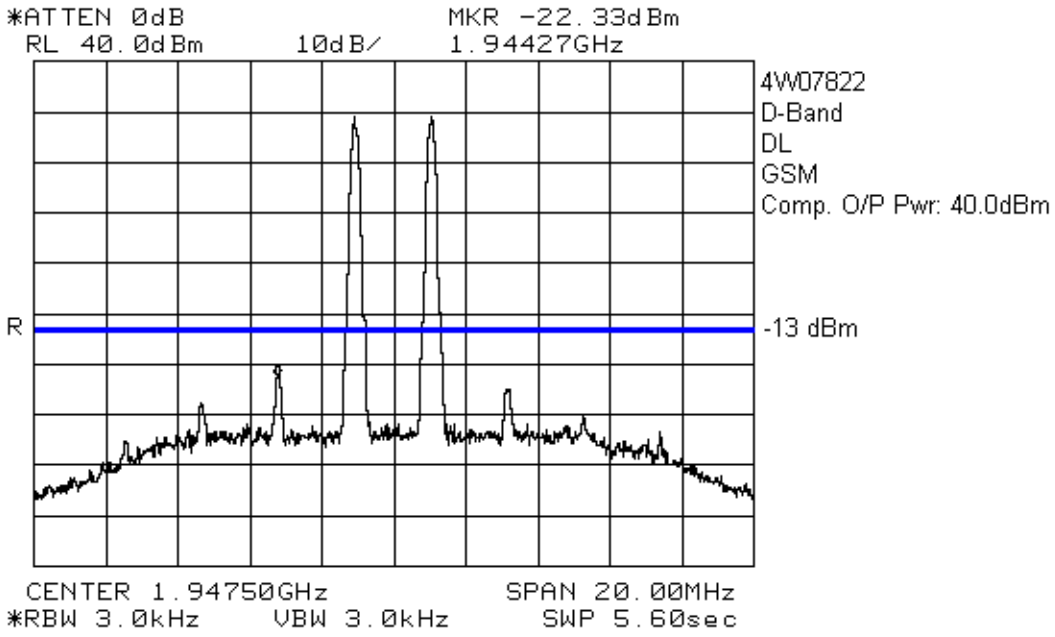


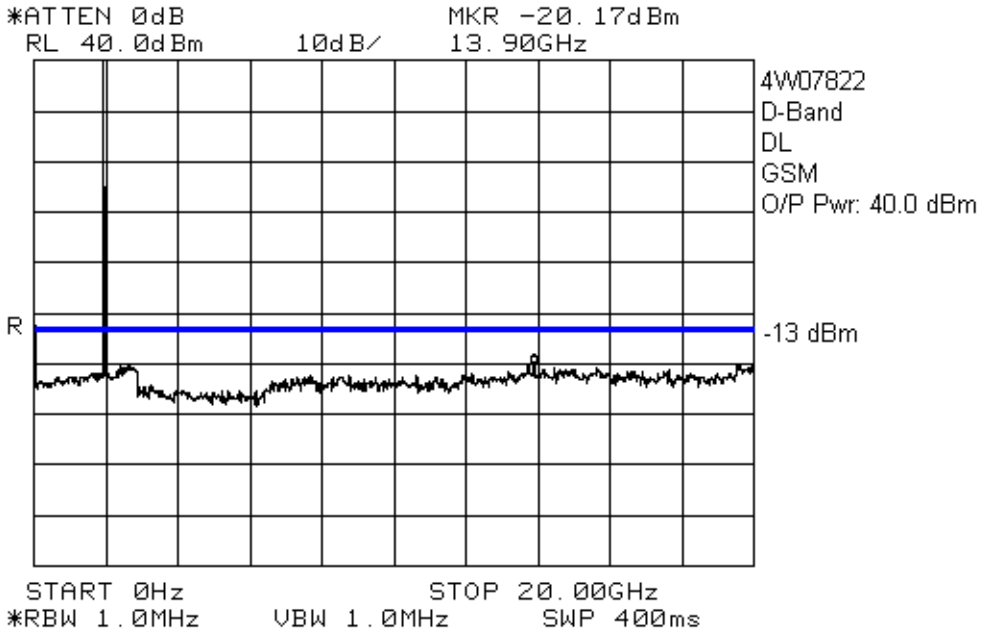


Downlink, GSM






*ATTEN 0dB
MKR -22.33dBm
RL 40.0dBm
10dB/
1.94427GHz
4W07822
D-Band
DL
GSM
Comp. O/P Pwr: 40.0dBm
R
-13 dBm
CENTER 1.94750GHz
SPAN 20.00MHz
*RBW 3.0kHz
VBW 3.0kHz
SWP 5.60sec


*ATTEN 0dB
MKR -20.17dBm
RL 40.0dBm
10dB/
13.90GHz
4W07822
D-Band
DL
GSM
O/P Pwr: 40.0 dBm
R
-13 dBm
START 0Hz
STOP 20.00GHz
*RBW 1.0MHz
VBW 1.0MHz
SWP 400ms

Section 6. Field Strength of Spurious

Para. No.: 2.1053

Test Performed By: Kevin Carr	**Date of Test: 20 Feb. 2004**

Minimum Standard: Para. No.: 24.238.

Test Results: Complied

Test Data: As per attached tabulated data.

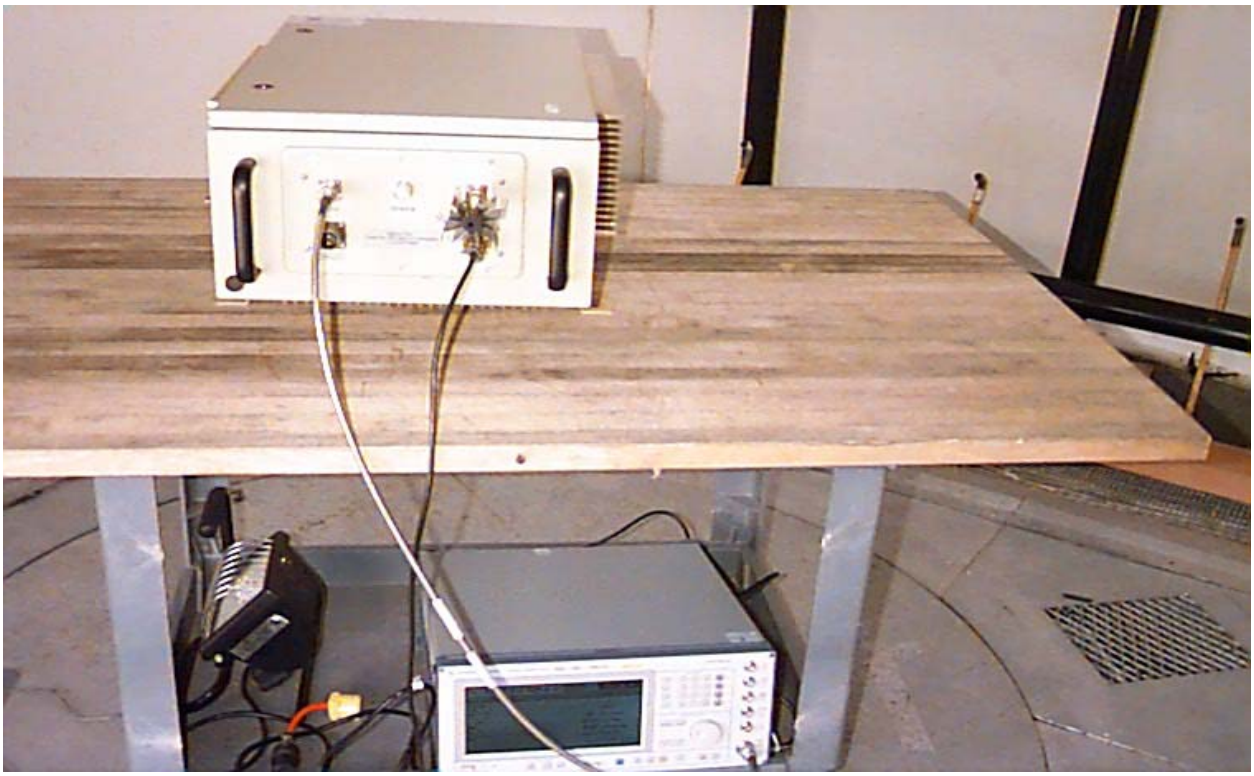
Radiated Disturbance Test Data: MW-BDA-PCS-D-50W90

Test Date: 20 Feb. 2004									
Engineer's Name: Kevin Carr									
Temperature (C°): 10						Humidity %: 45			
Test Distance (meters): 3						Range: 1			
Freq. (MHz)	Ant.	Pol. V/H	RCVD Signal (dBµV)	Sig. Sub. Factor (dB)	Emission Level (dBm)	Limit (dB/m)	Margin (dB)	Detector	Amp.
3892.0000	Horn2	V	68.0	-116.1	-48.1	-13.0	35.1	Peak	2-4GHz
3892.0000	Horn2	H	58.8	-118.1	-59.3	-13.0	46.3	Peak	2-4GHz
5838.0000	Horn2	V	63.6	-109.5	-45.9	-13.0	32.9	Peak	4-8GHz
5838.0000	Horn2	H	52.0	-107.0	-55.0	-13.0	42.0	Peak	4-8GHz
7784.0000	Horn2	V	52.0	-103.8	-51.8	-13.0	38.8	Peak	4-8GHz
7784.0000	Horn2	H	52.0	-105.0	-53.0	-13.0	40.0	Peak	4-8GHz
3734.2000	Horn2	V	53.0	-116.6	-63.6	-13.0	50.6	Peak	2-4GHz
3734.2000	Horn2	H	52.0	-119.6	-67.6	-13.0	54.6	Peak	2-4GHz
5601.3000	Horn2	V	50.0	-109.1	-59.1	-13.0	46.1	Peak	4-8GHz
5601.3000	Horn2	H	50.0	-107.5	-57.5	-13.0	44.5	Peak	4-8GHz
7468.4000	Horn2	V	53.0	-104.7	-51.7	-13.0	38.7	Peak	4-8GHz
7468.4000	Horn2	H	53.0	-104.1	-51.1	-13.0	38.1	Peak	4-8GHz

Note 1: Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole
Note 2: Detector Legend: Q-Peak = 120 kHz RBW, Average = 1.0 MHz RBW

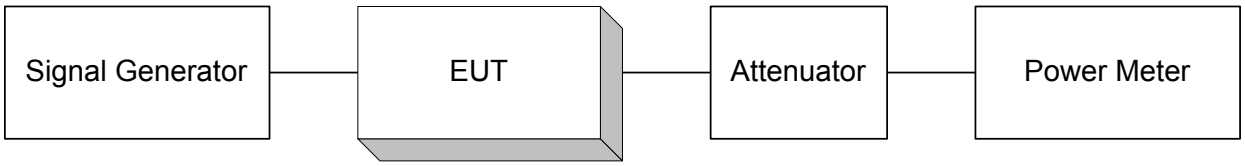
Notes:	AGC On

Range Set up: Photo

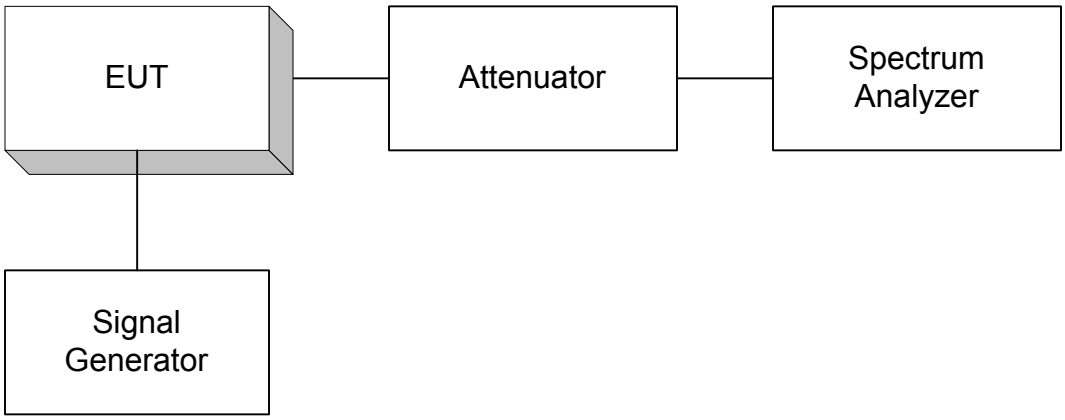


Section 7. Block Diagrams

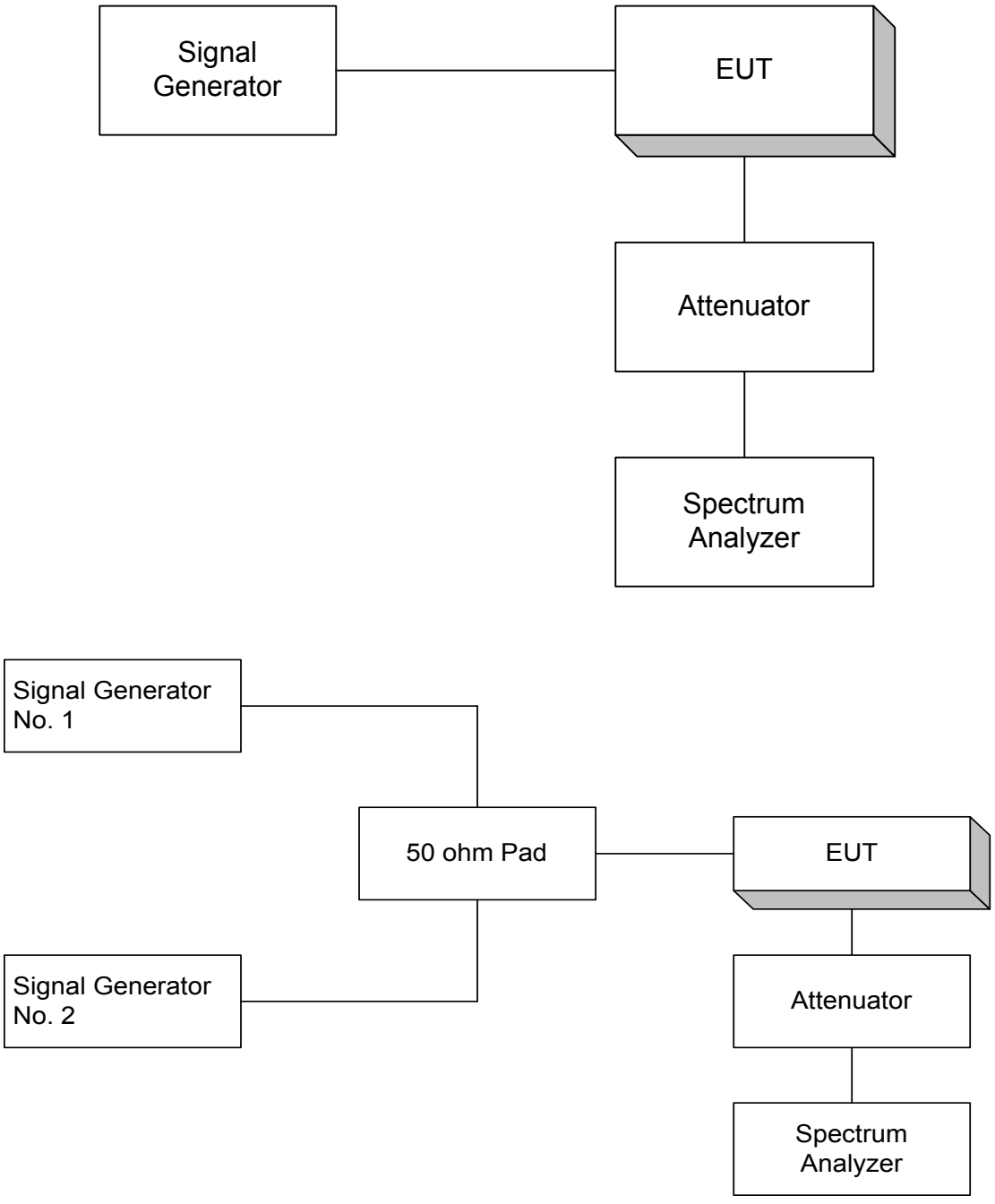
Para. No. 1046 - R.F. Power Output



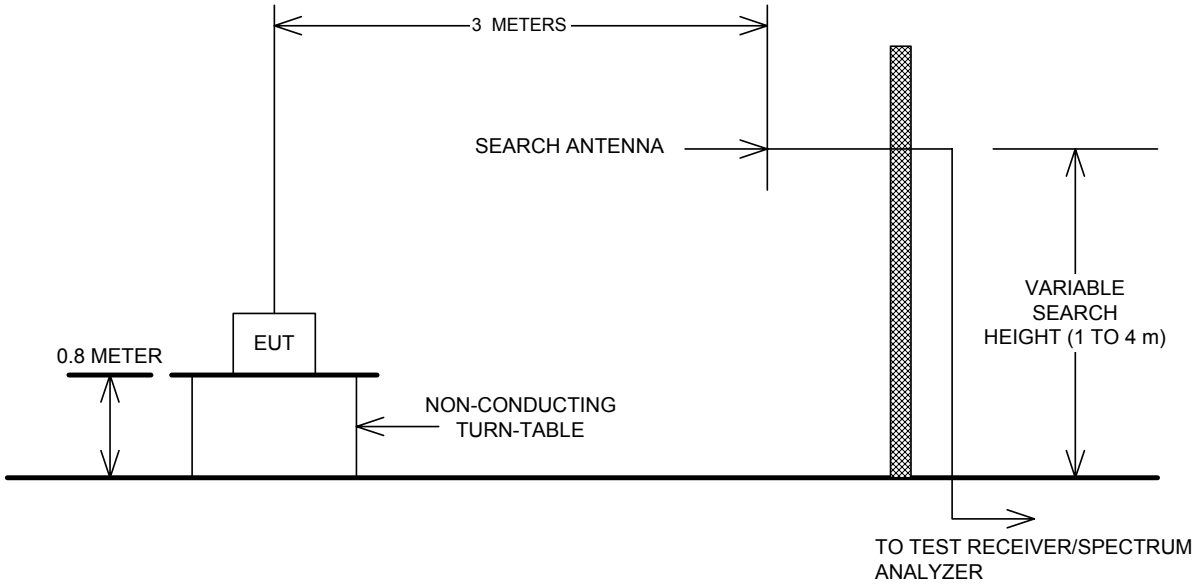
Para. No. 2.1049 - Occupied Bandwidth



Para. No. 2.1051 - Spurious Emissions at Antenna Terminals



Para. No. 2.1053 - Field Strength of Spurious Radiation



Section 8. Test Equipment List

Equipment List - Radiated Emissions

CAL Cycle	Equipment	Manufacturer	Model No.	Asset/Serial No.	Last Cal.	Next Cal.
1 Year	Spectrum Analyzer	Hewlett-Packard	8564E	FA001367	May. 13/03	May. 13/04
1 Year	Horn Antenna #2	EMCO	3115	FA000825	Dec. 10/03	Dec. 10/04
COU	Horn 18 – 40 GHz	Electro-Metrics	SH-50/60-1	FA000479	COU	COU
1 Year	1.0 – 2.0 GHz Amplifier	JCA	12-400	FA001498	June. 18/03	June. 18/04
1 Year	2.0 – 4.0 GHz Amplifier	JCA	24-600	FA001496	June. 18/03	June. 18/04
1 Year	4.0 – 8.0 GHz Amplifier	JCA	48-600	FA001497	June. 18/03	June. 18/04
COU	5.0 – 18.0 GHz Amplifier	NARDA	DWT-186N23U40	FA001409	COU	COU
COU	18.0 – 26.0 GHz Amplifier	NARDA	BBS-1826N612	FA001550	COU	COU

Note: N/A = Not Applicable, NCR = No Cal Required, COU = CAL On Use, OUT = Out For CAL/Repair