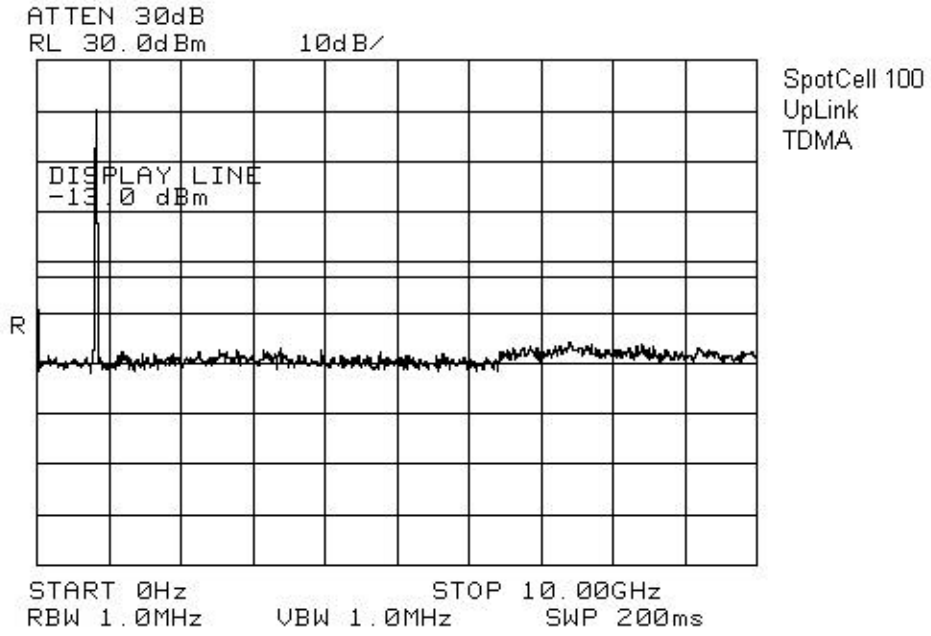
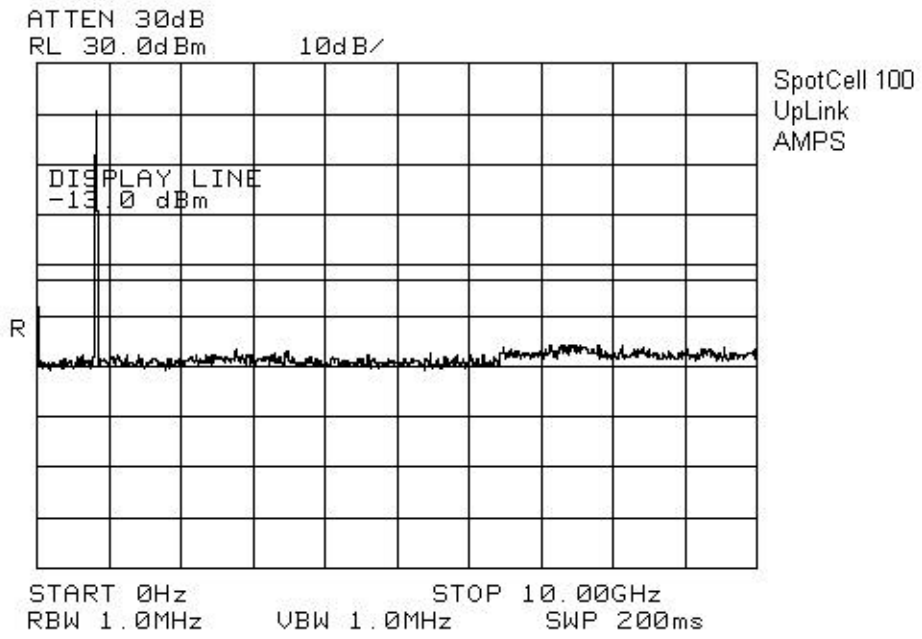
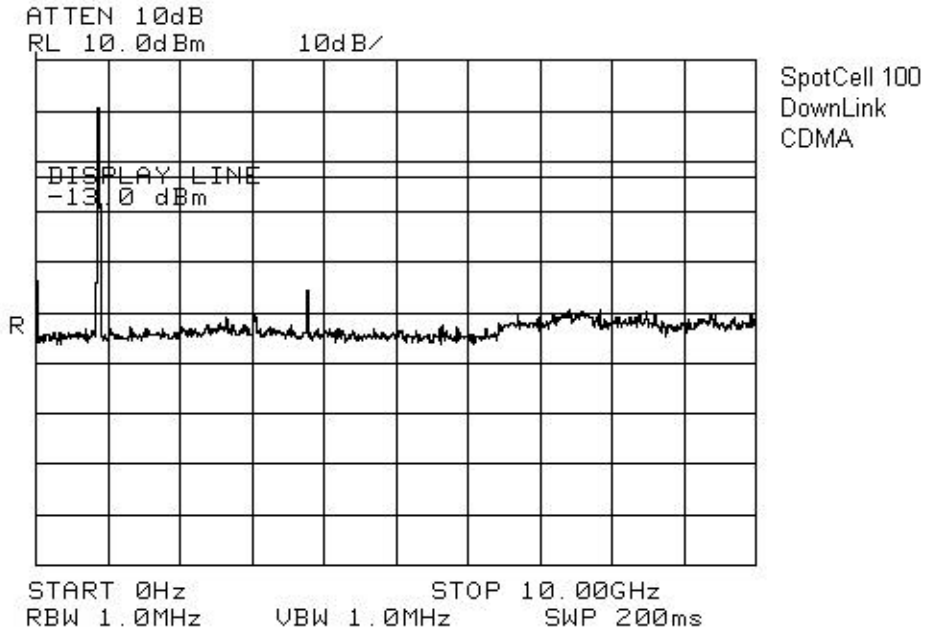
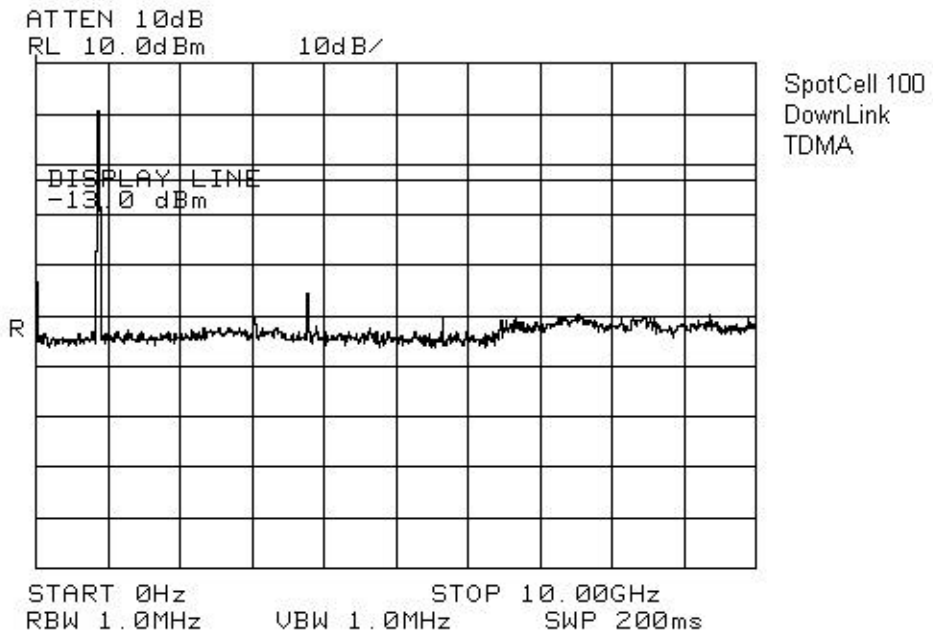
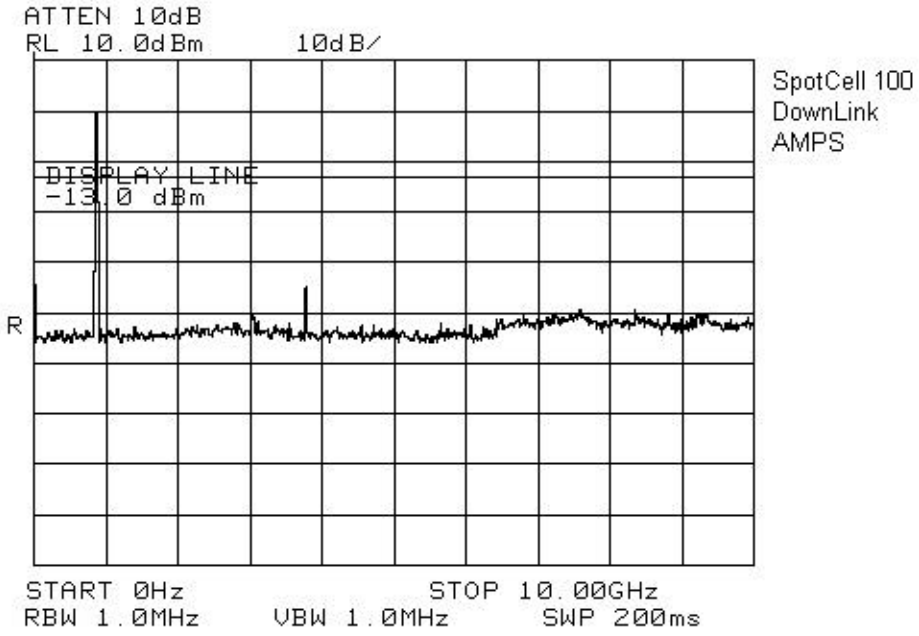
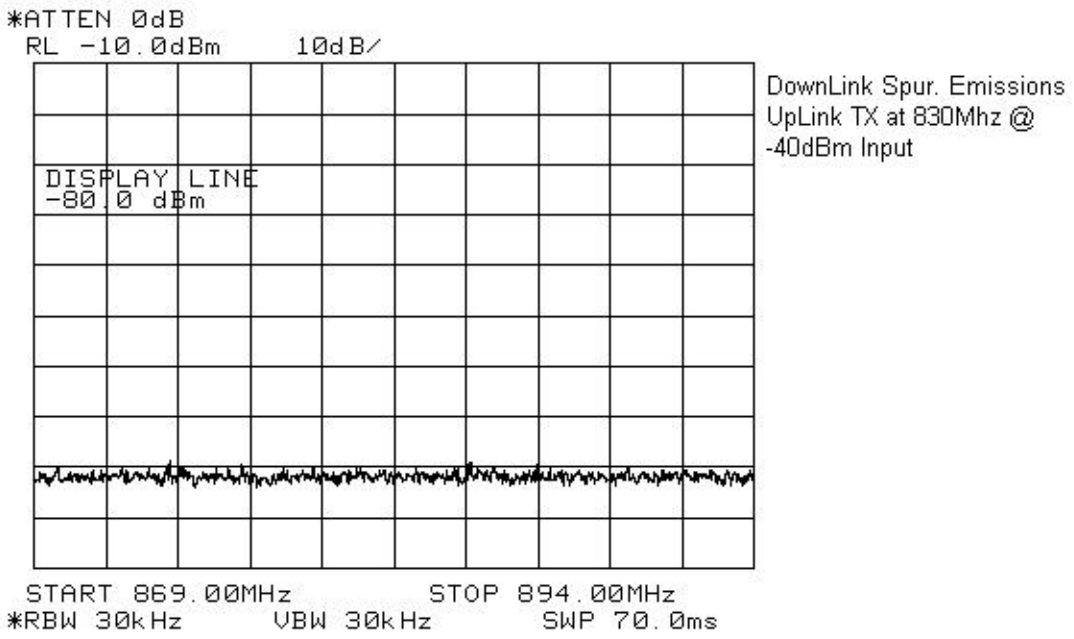

ATTEN 30dB
RL 30.0dBm
10dB/
SpotCell 100
UpLink
TDMA
DISPLAY LINE
-13.0 dBm
R
START 0Hz
STOP 10.00GHz
RBW 1.0MHz
VBW 1.0MHz
SWP 200ms

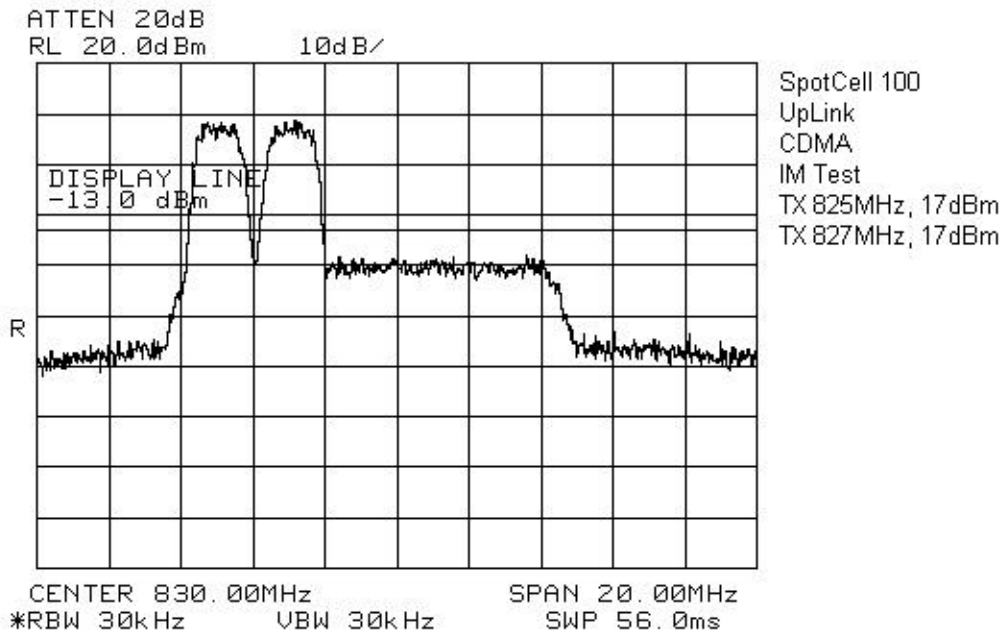

ATTEN 30dB
RL 30.0dBm
10dB/
SpotCell 100
UpLink
AMPS
DISPLAY LINE
-13.0 dBm
R
START 0Hz
STOP 10.00GHz
RBW 1.0MHz
VBW 1.0MHz
SWP 200ms

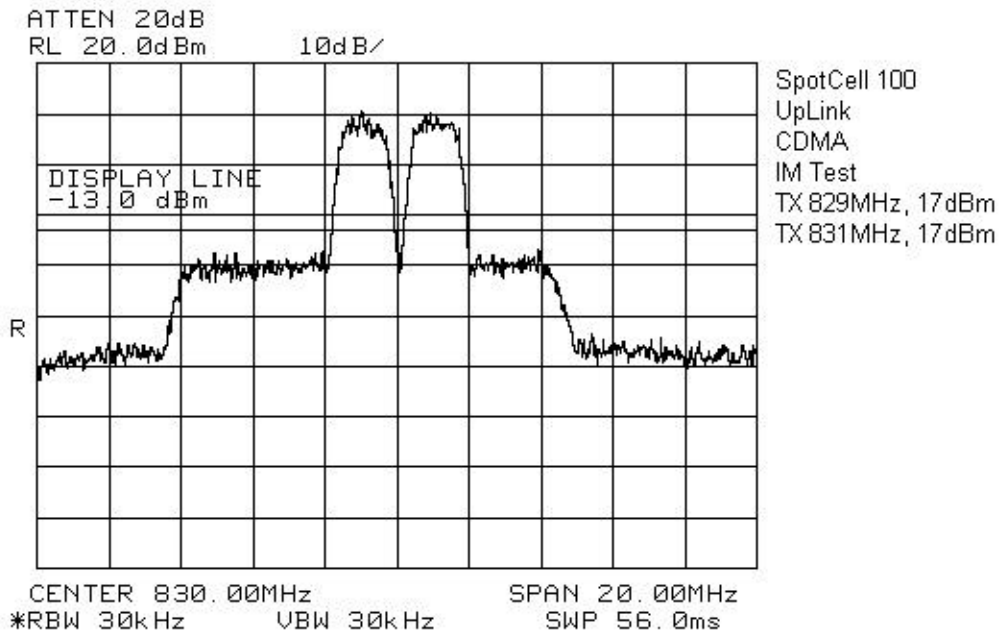

ATTEN 10dB
RL 10.0dBm
10dB/
SpotCell 100
DownLink
CDMA
DISPLAY LINE
-13.0 dBm
R
START 0Hz
STOP 10.00GHz
RBW 1.0MHz
VBW 1.0MHz
SWP 200ms

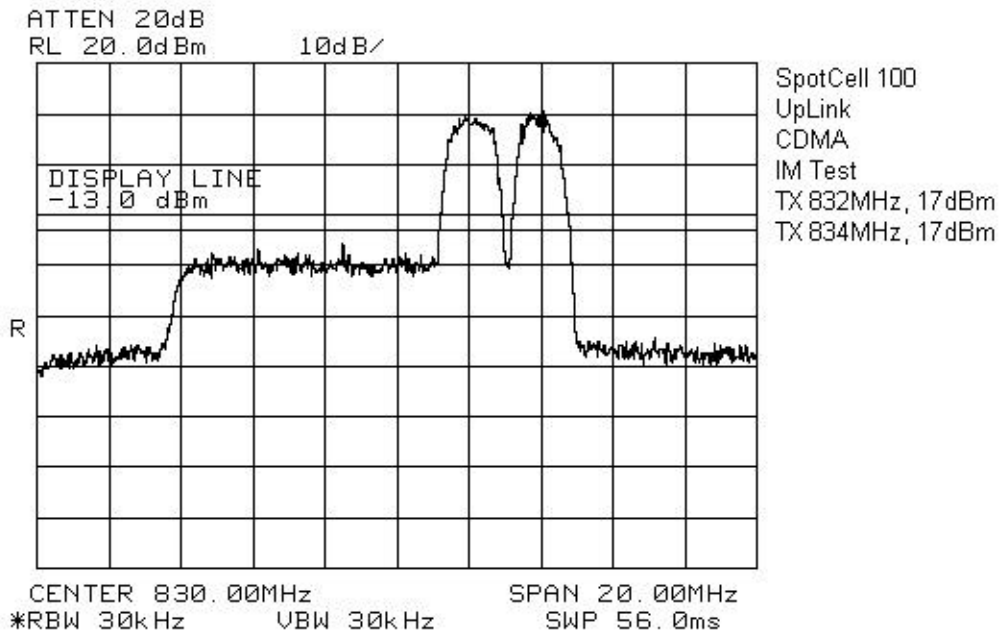

ATTEN 10dB
RL 10.0dBm
10dB/
SpotCell 100
DownLink
TDMA
DISPLAY LINE
-13.0 dBm
R
START 0Hz
STOP 10.00GHz
RBW 1.0MHz
VBW 1.0MHz
SWP 200ms

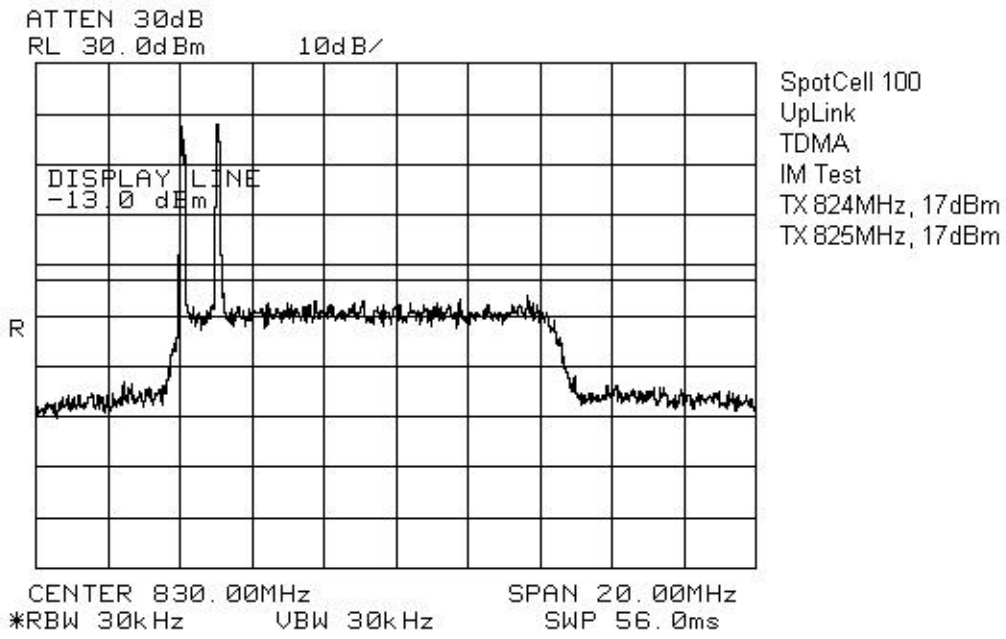

ATTEN 10dB
RL 10.0dBm
10dB/
SpotCell 100
DownLink
AMPS
DISPLAY LINE
-13.0 dBm
R
START 0Hz
STOP 10.00GHz
RBW 1.0MHz
VBW 1.0MHz
SWP 200ms

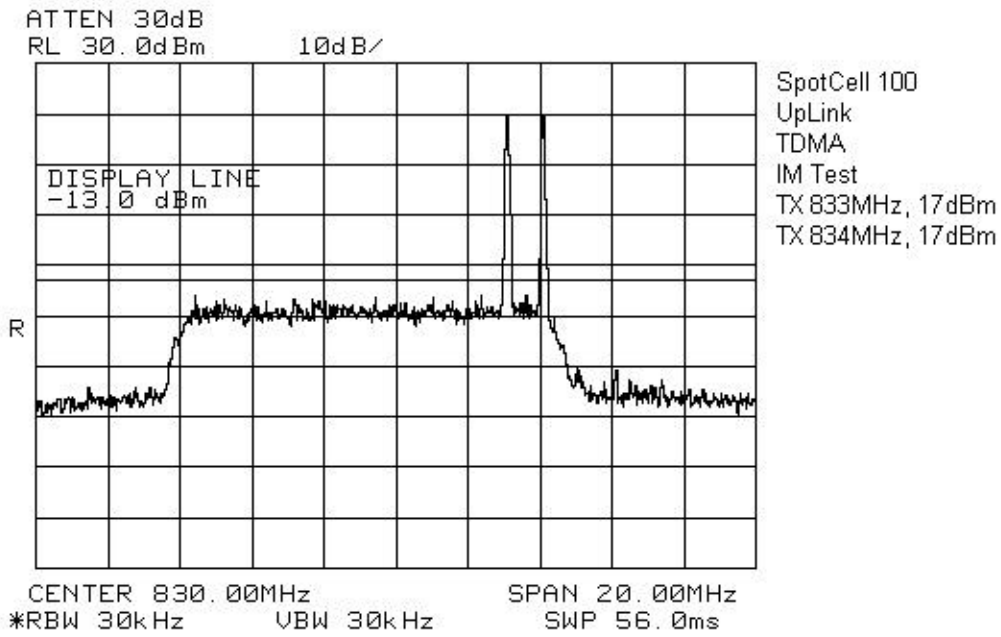

*ATTEN 0dB
RL -10.0dBm
10dB/
DISPLAY LINE
-80.0 dBm
START 869.00MHz
STOP 894.00MHz
*RBW 30kHz
VBW 30kHz
SWP 70.0ms
DownLink Spur. Emissions
UpLink TX at 830Mhz @
-40dBm Input

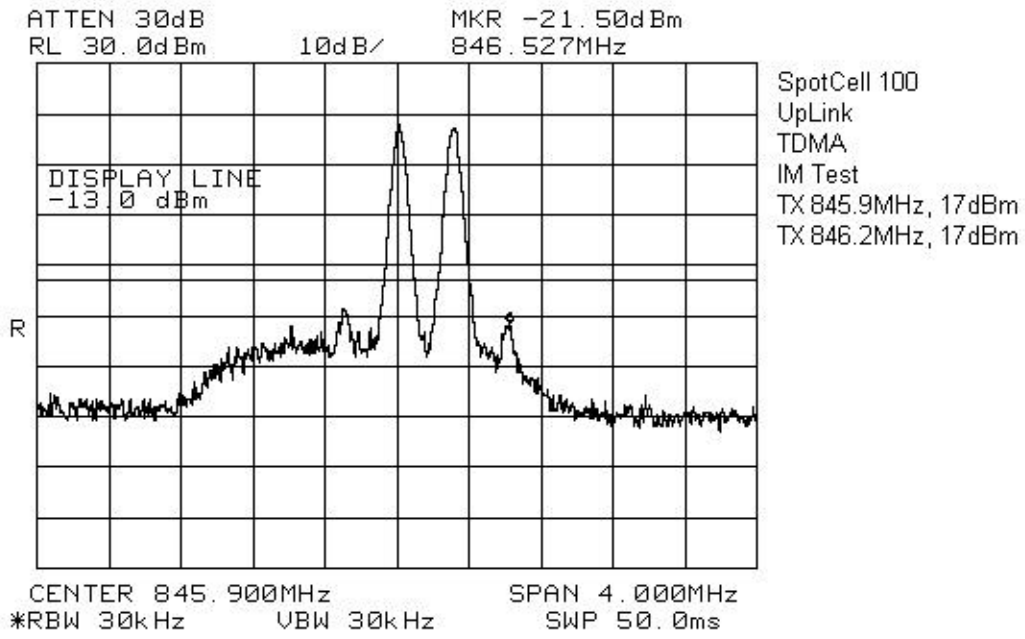

ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
CDMA
IM Test
TX 825MHz, 17dBm
TX 827MHz, 17dBm
CENTER 830.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

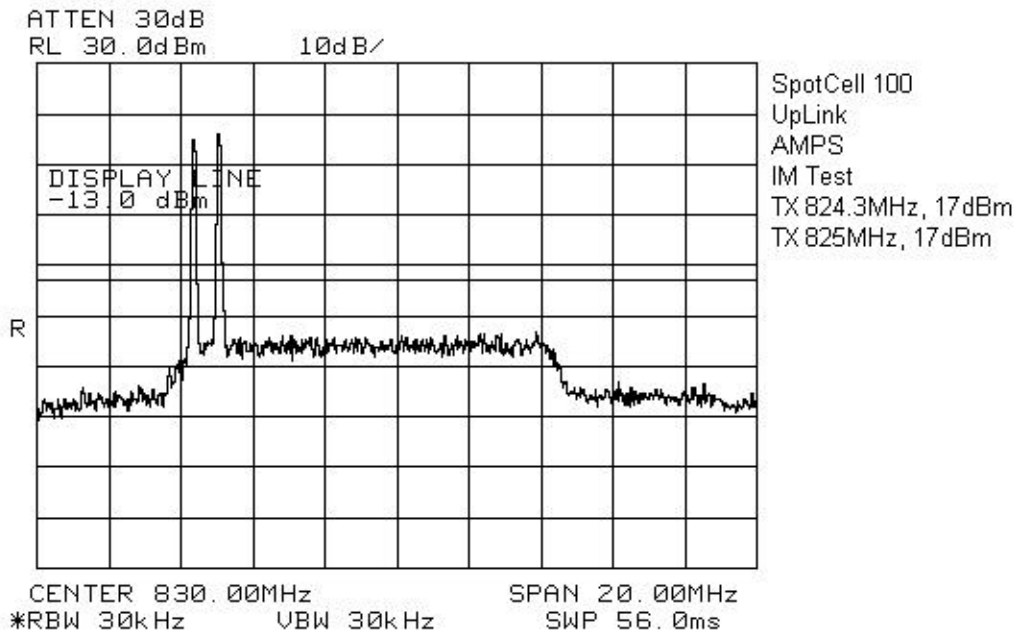

ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
CDMA
IM Test
TX 829MHz, 17dBm
TX 831MHz, 17dBm
CENTER 830.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

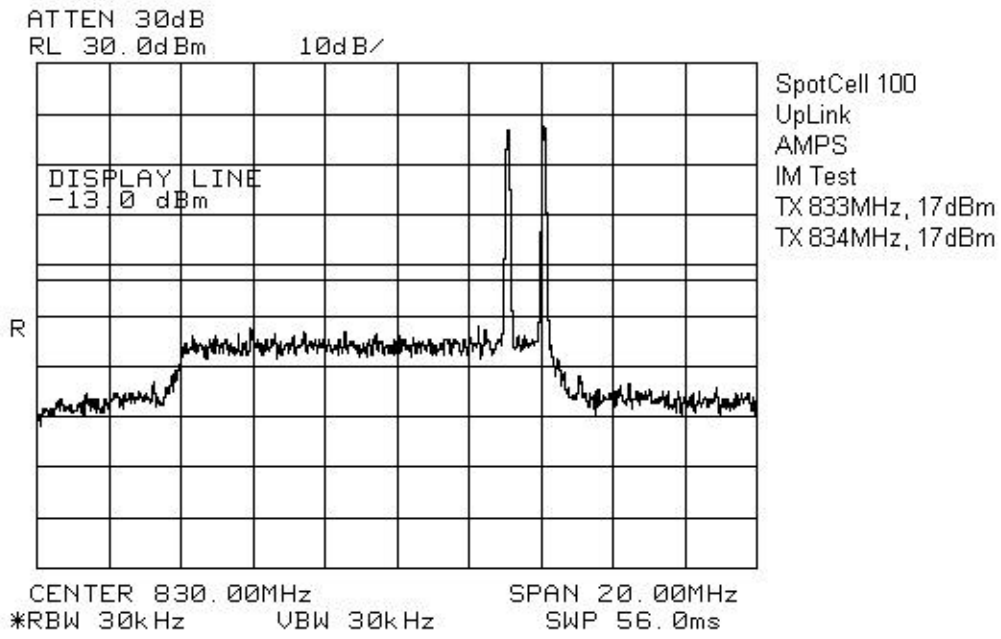

ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
CDMA
IM Test
TX 832MHz, 17dBm
TX 834MHz, 17dBm
CENTER 830.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

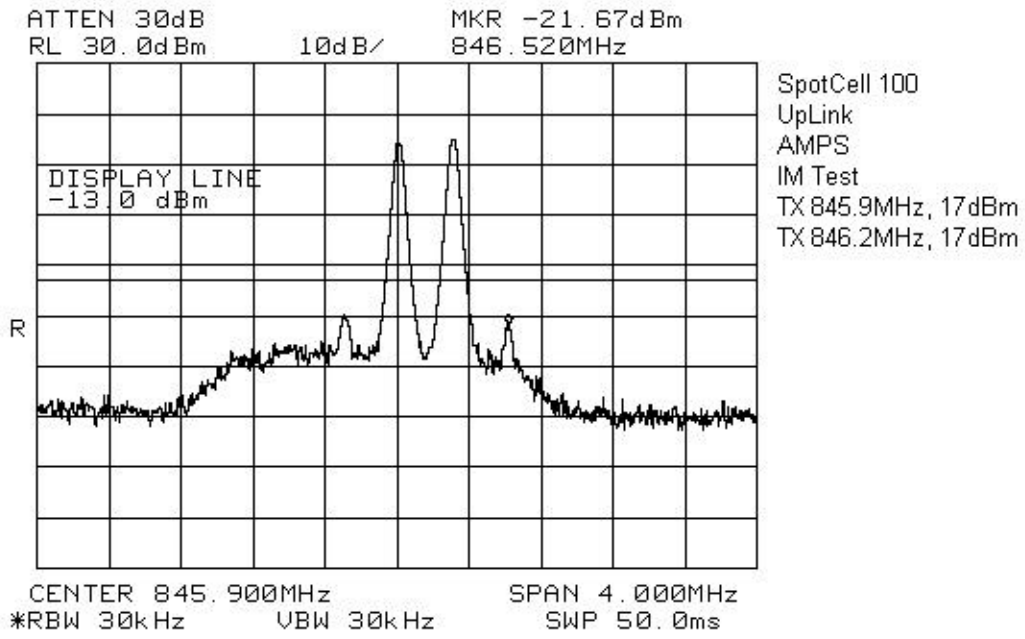

ATTEN 30dB
RL 30.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
TDMA
IM Test
TX 824MHz, 17dBm
TX 825MHz, 17dBm
CENTER 830.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

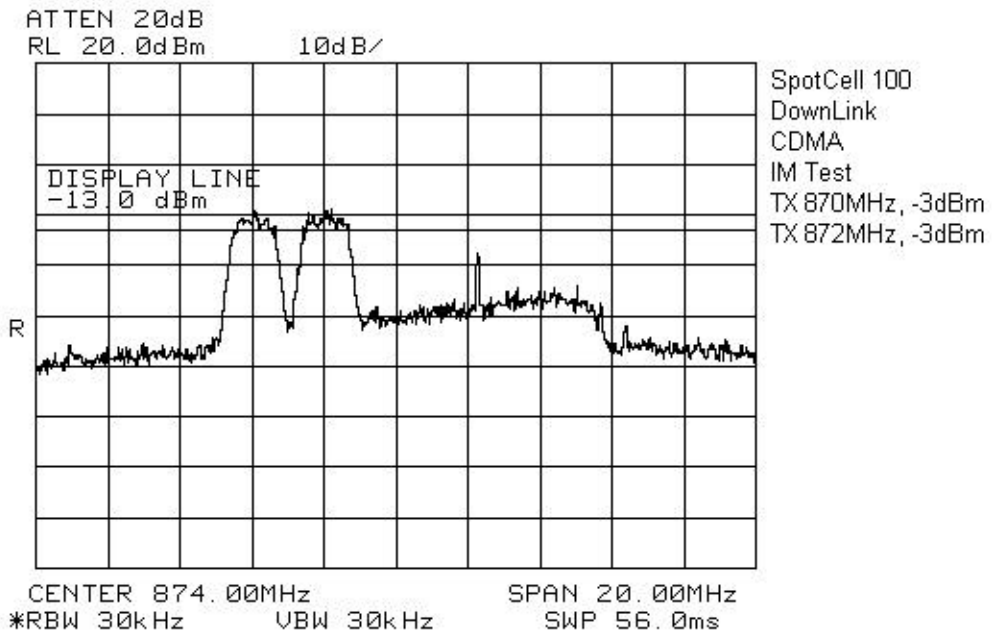

ATTEN 30dB
RL 30.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
TDMA
IM Test
TX 833MHz, 17dBm
TX 834MHz, 17dBm
CENTER 830.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

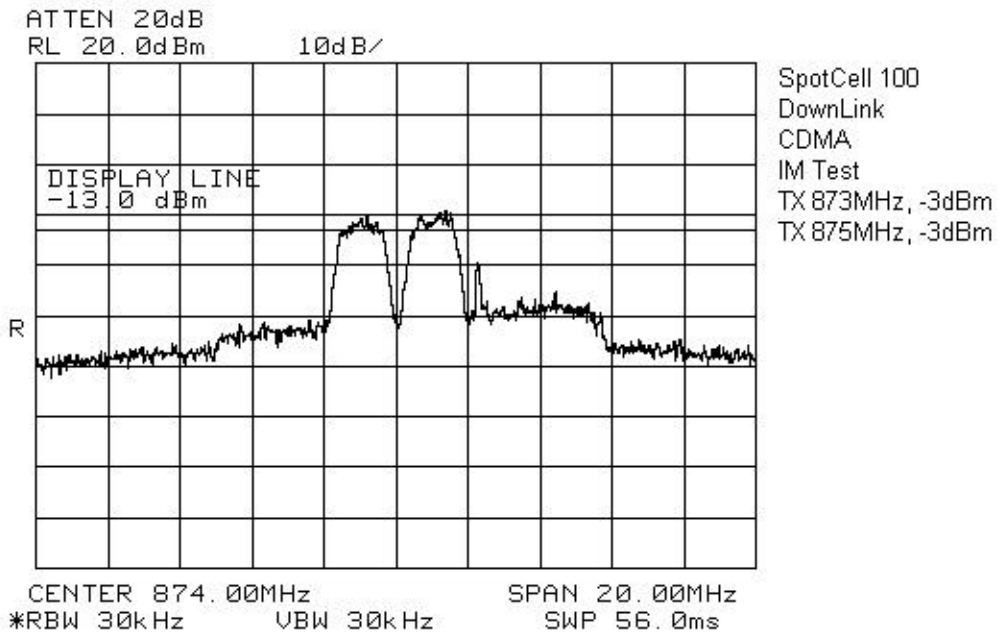

ATTEN 30dB
RL 30.0dBm
10dB/
MKR -21.50dBm
846.527MHz
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
TDMA
IM Test
TX 845.9MHz, 17dBm
TX 846.2MHz, 17dBm
CENTER 845.900MHz
SPAN 4.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

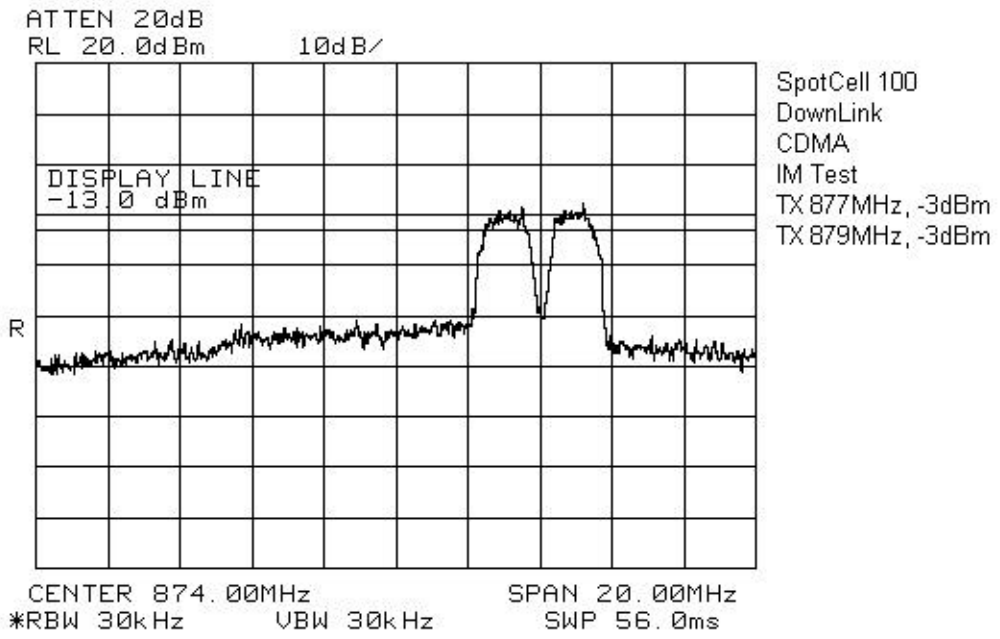

ATTEN 30dB
RL 30.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
AMPS
IM Test
TX 824.3MHz, 17dBm
TX 825MHz, 17dBm
CENTER 830.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

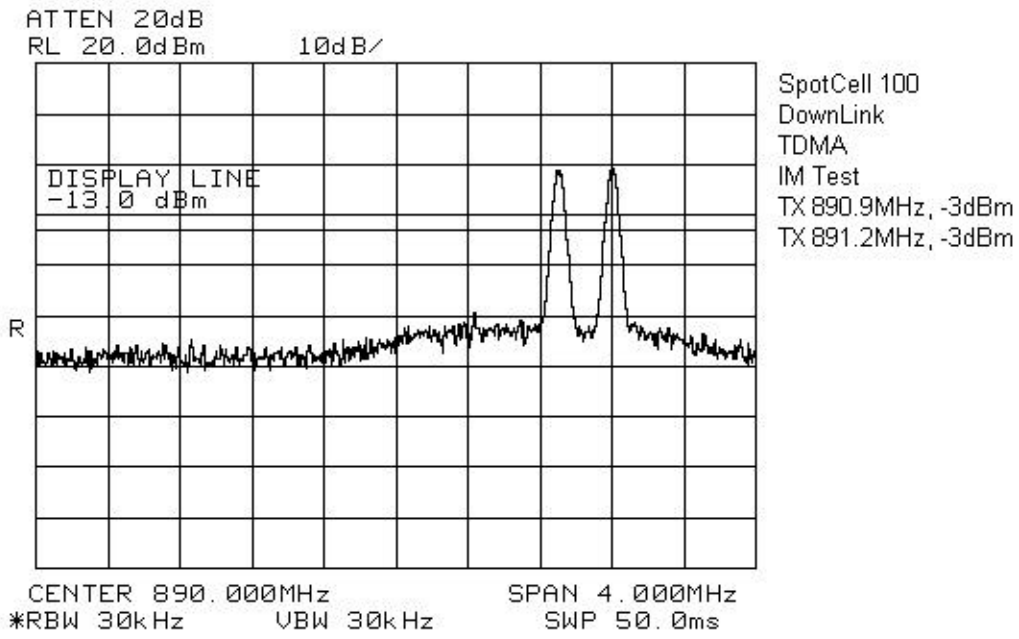

ATTEN 30dB
RL 30.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
AMPS
IM Test
TX 833MHz, 17dBm
TX 834MHz, 17dBm
CENTER 830.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

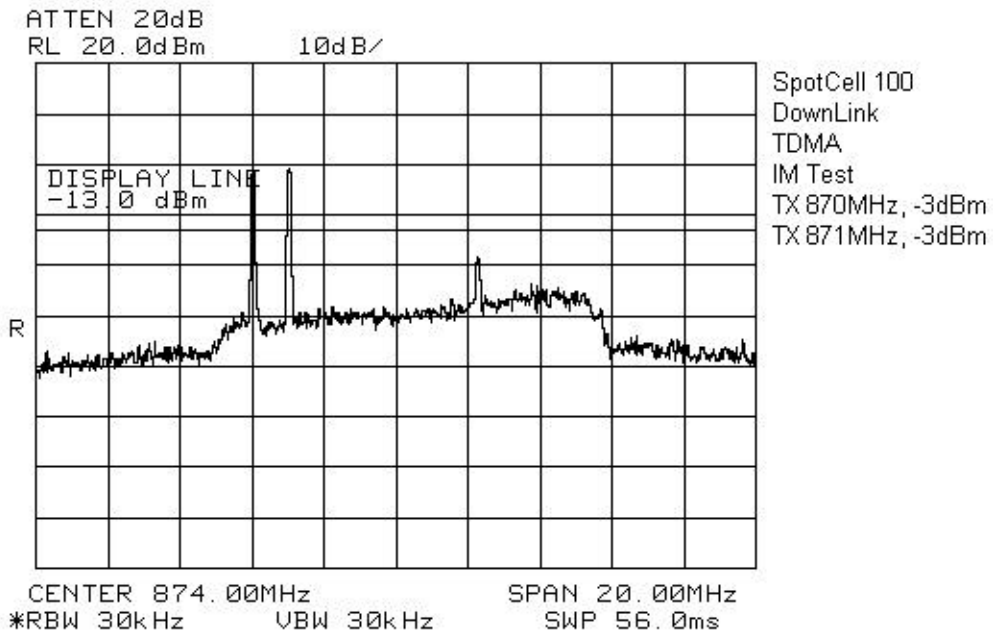

ATTEN 30dB
RL 30.0dBm
10dB/
MKR -21.67dBm
846.520MHz
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
UpLink
AMPS
IM Test
TX 845.9MHz, 17dBm
TX 846.2MHz, 17dBm
CENTER 845.900MHz
SPAN 4.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

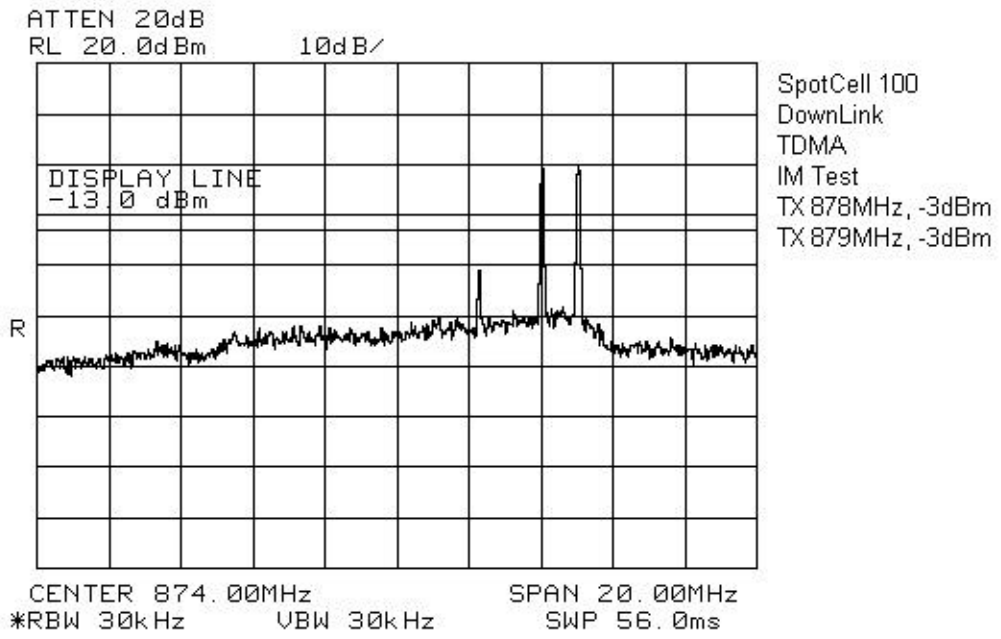

ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
CDMA
IM Test
TX 870MHz, -3dBm
TX 872MHz, -3dBm
CENTER 874.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

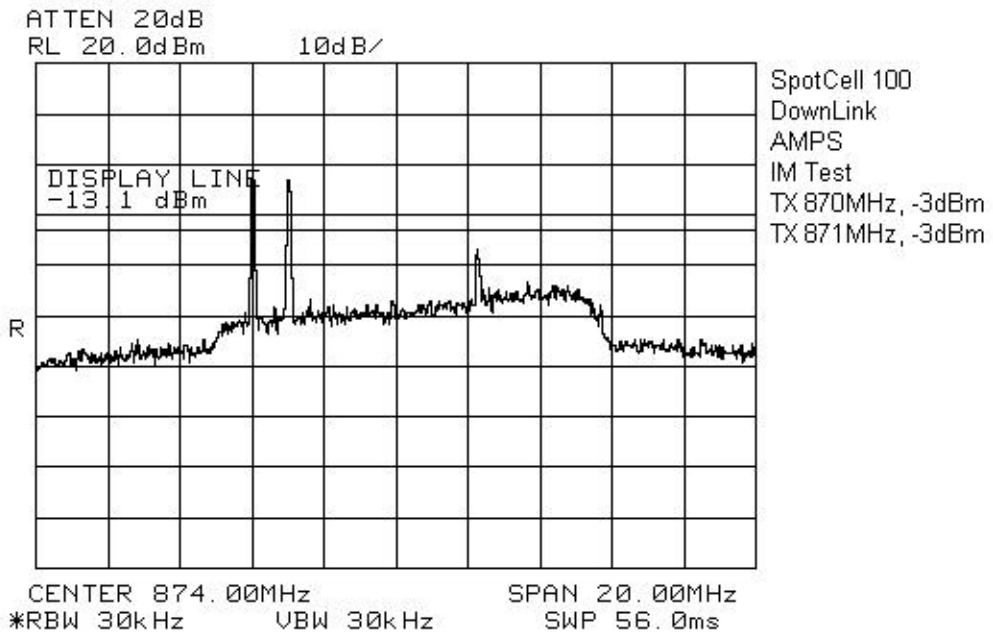

ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
CDMA
IM Test
TX 873MHz, -3dBm
TX 875MHz, -3dBm
CENTER 874.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

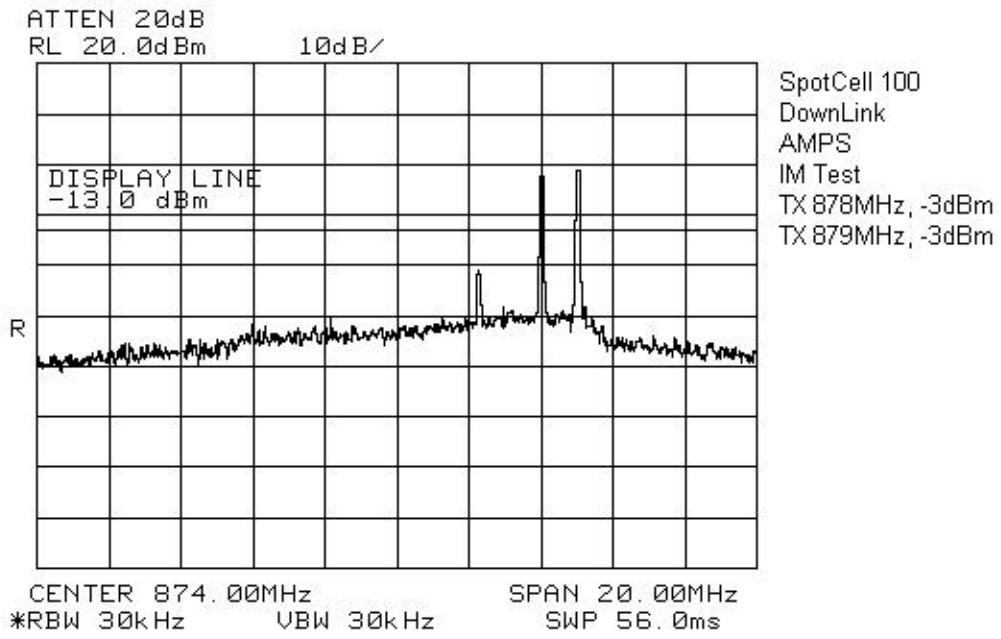

ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
CDMA
IM Test
TX 877MHz, -3dBm
TX 879MHz, -3dBm
CENTER 874.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

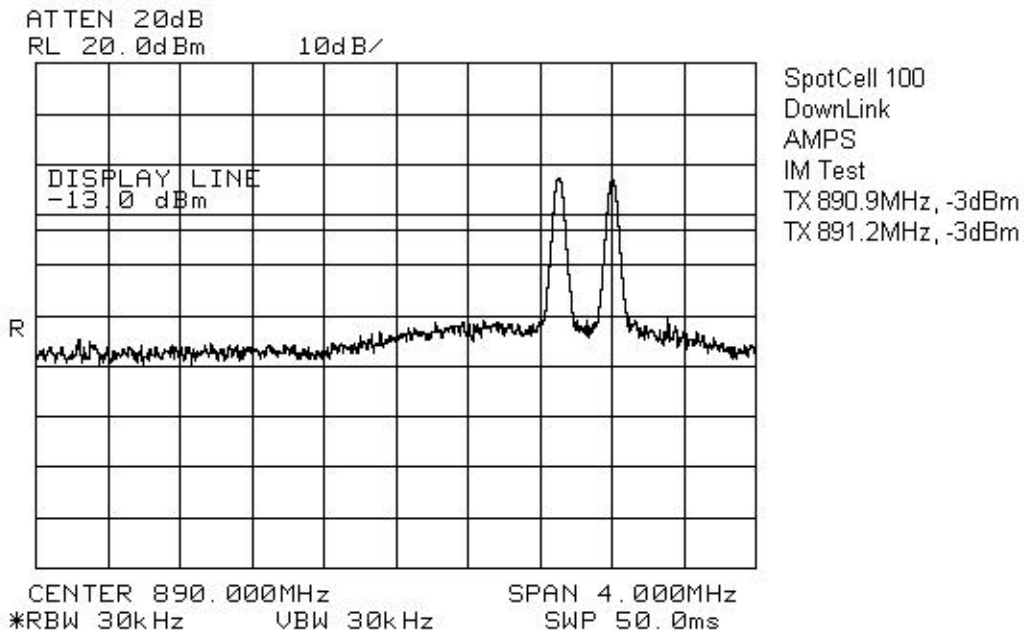

ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
TDMA
IM Test
TX 890.9MHz, -3dBm
TX 891.2MHz, -3dBm
CENTER 890.000MHz
SPAN 4.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms


ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
TDMA
IM Test
TX 870MHz, -3dBm
TX 871MHz, -3dBm
CENTER 874.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms


ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
TDMA
IM Test
TX 878MHz, -3dBm
TX 879MHz, -3dBm
CENTER 874.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms


ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.1 dBm
R
SpotCell 100
DownLink
AMPS
IM Test
TX 870MHz, -3dBm
TX 871MHz, -3dBm
CENTER 874.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms


ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
AMPS
IM Test
TX 878MHz, -3dBm
TX 879MHz, -3dBm
CENTER 874.00MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms


ATTEN 20dB
RL 20.0dBm
10dB/
DISPLAY LINE
-13.0 dBm
R
SpotCell 100
DownLink
AMPS
IM Test
TX 890.9MHz, -3dBm
TX 891.2MHz, -3dBm
CENTER 890.000MHz
SPAN 4.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

Section 6. Field Strength of Spurious Emissions

Para. No.: 2.1053

Test Performed By: Glen Westwell	**Date of Test:** November 22, 2001

Minimum Standard: 22.917(e); -13dBm

Test Results: Complies.

Measurement Data: See attached data.

Test Data - Field Strength of Spurious Emissions

Test Distance (meters) : 3		Range: A Tower		Receiver: 8565E		RBW(kHz): 1000		Detector: Peak	
Freq. (MHz)	Ant. *	Pol. (V/H)	RCVD Signal (dBµV/m)	Signal Substitution Conversion Factor (dB)**	Amp. Gain (dB)***	Dist. Corr. (dB)	Field Strength (dBm)	Limit (dBm)	Margin (dB)
1660.0	SSV	V	44.5	-117.5			-73.3	-13.0	60.3
1660.0	SSH	H	49.5	-118.1			-68.3	-13.0	55.3
3319.75	SSV	V	72.8	-119.9			-47.1	-13.0	34.1
3319.75	SSH	H	65.2	-120.6			-55.4	-13.0	42.4
3036.74	SSV	V	92.3	-121.4			-29.1	-13.0	16.1
3036.74	SSH	H	85.5	-123.4			-37.9	-13.0	24.9

Notes:
B/C = Biconical, B/L = Biconilog, L/P = Log-Periodic, H = Horn, D/P = Dipole
* Re-measured using dipole antenna.
** Includes cable loss when amplifier is not used.
*** Includes cable loss.
( ) Denotes failing emission level.
N.D. = Not Detected

All spurious and harmonic emissions to the 10th harmonic for both uplink and downlink were searched.

Field Strength of Spurious Emissions - Photograph

Side View:

Section 7. Frequency Stability

Para. No.: 2.1055

Test Performed By: Glen Westwell	**Date of Test:** November 19, 2001

Minimum Standard: 22.355

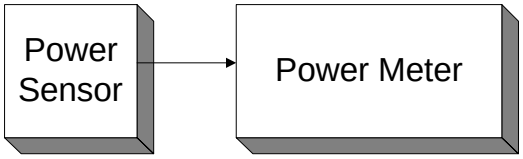
Test Results: Complies. The maximum frequency drift is 0 Hz.

Measurement Data: Standard Test Frequency: (0°C to +40°C)

Uplink: 830.000 000 MHz
Downlink: 874.000 000 MHz

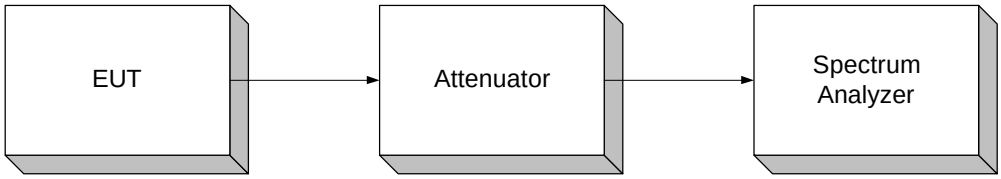
Section 8. Block Diagrams

Para. No. 2.1046 - R.F. Power Output

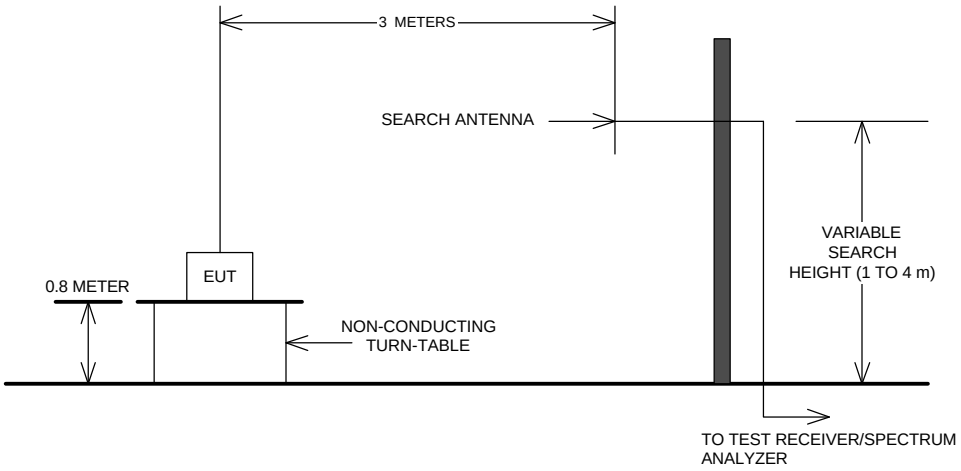


Para. No. 2.1049 - Occupied Bandwidth

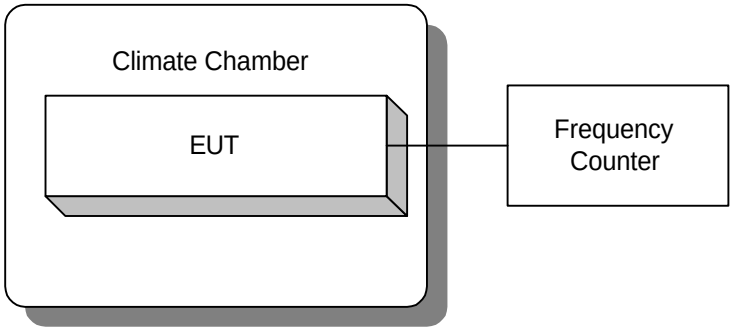
Para. No. 2.1051 - Spurious Emissions at Antenna Terminals



Para. No. 2.1053 - Field Strength of Spurious Radiation



Para. No. 2.1055 - Frequency Stability



Section 9. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL	LAST CAL.	NEXT CAL.
1 Year	Spectrum Analyzer	Hewlett Packard	8565E	FA000981	June 08/01	June 08/02
1 Year	Spectrum Analyzer-**1**	Hewlett Packard	8566B	2311A02238	Dec. 10/00	Dec. 10/01
1 Year	Spectrum Analyzer Display-**1**	Hewlett Packard	8566B	2314A04759	Dec. 10/00	Dec. 10/01
1 Year	Quasi-peak adapter-**1**	Hewlett-Packard	85650A	2043A00302	Dec. 14/00	Dec. 14/01
1 Year	Climate Chamber	Thermotron	SM-16C	15649-S	COU	COU
1 Year	Receiver	Rohde & Schwarz	ESVP	892661/014	Apr. 3/01	Apr. 3/02
1 Year	Horn Antenna	EMCO #2	3115	4336	Dec. 1/00	Dec. 1/01
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141	Aug. 28/01	Aug. 28/02
3 Year	Signal Generator	Rohde & Schwarz	SM1Q03	DE22004	Sept. 18/00	Sept. 18/03
1 Year	RF AMP	JCA	2-4 GHz	FA001496	COU	COU
1 Year	RF AMP	JCA	1-2 GHz	FA001498	COU	COU
1 Year	RF AMP	JCA	4-8 GHz	FA001497	COU	COU
1Year	Frequency Counter	Hewlett Packard	HP5350A	2444A00135	May 7/00	Feb. 4/02
3 Year	RF Generator	Rohde & Schwarz	SIMIQ03E	DE24154	Oct. 4/99	Oct. 4/02

NA: Not Applicable
NCR: No Cal Required
COU: CAL On Use