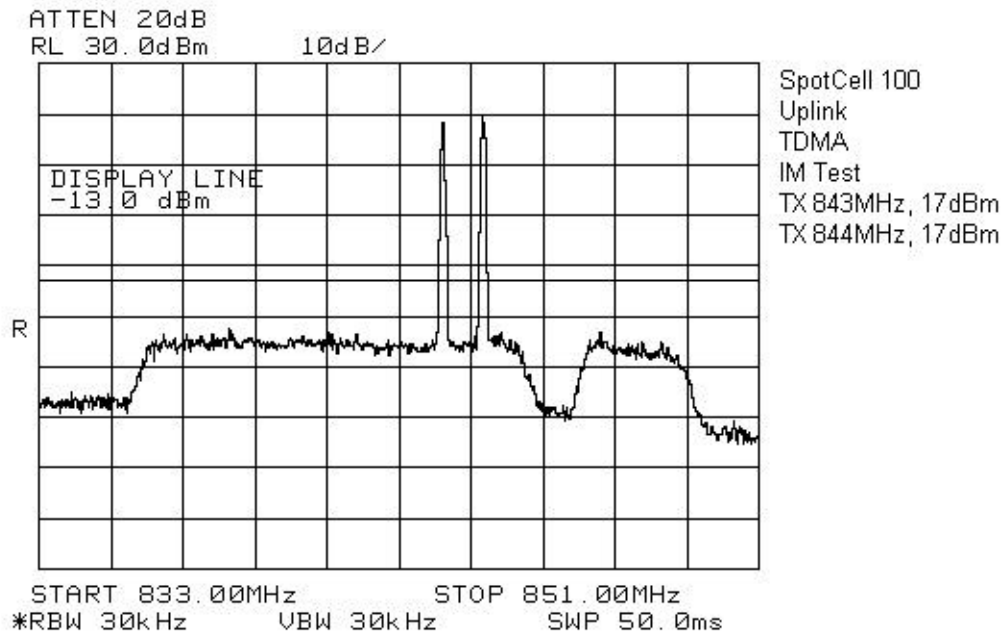
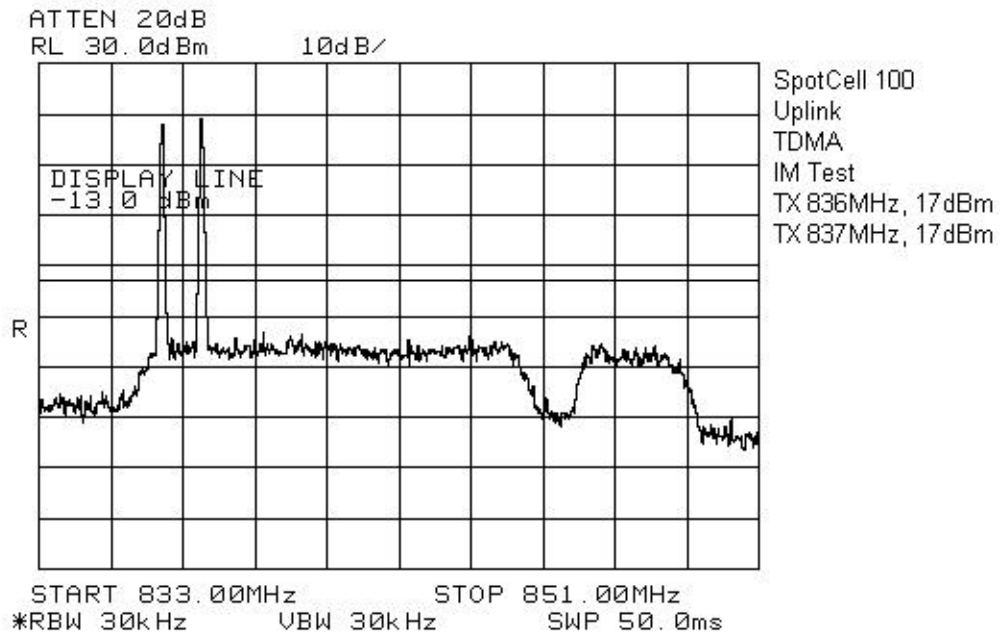


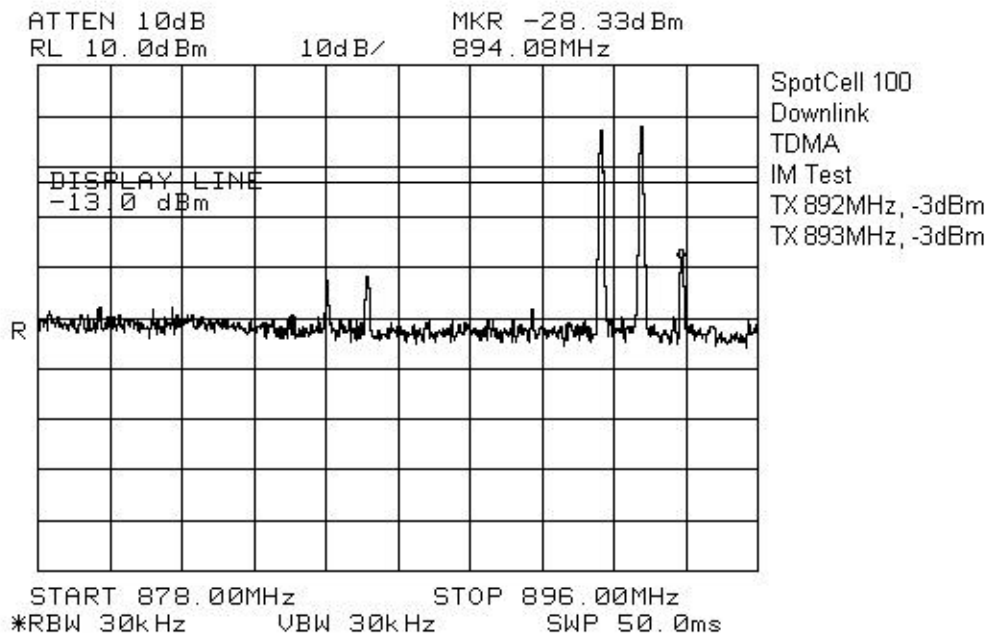
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



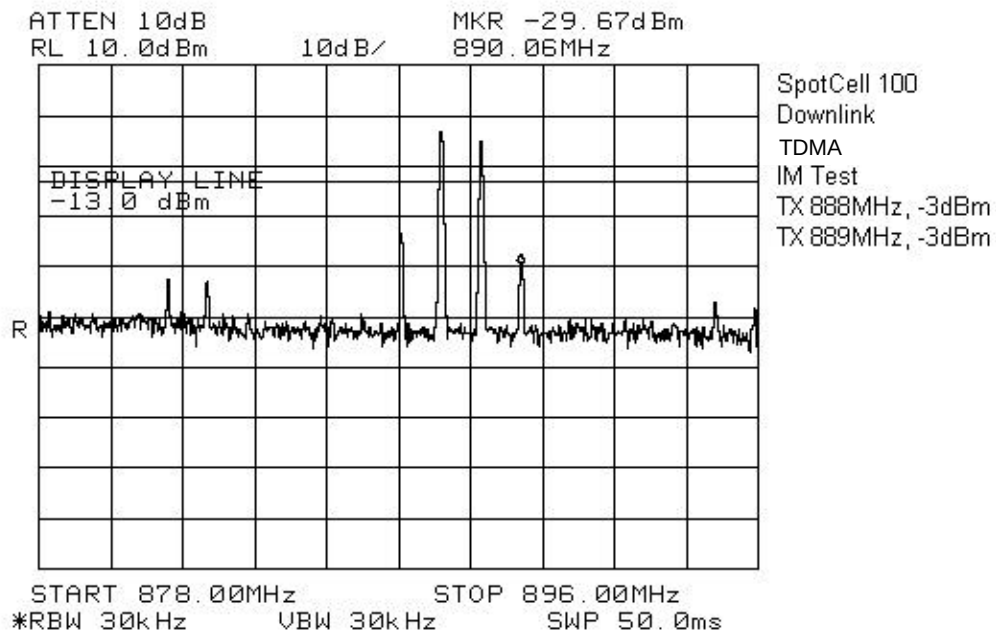
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



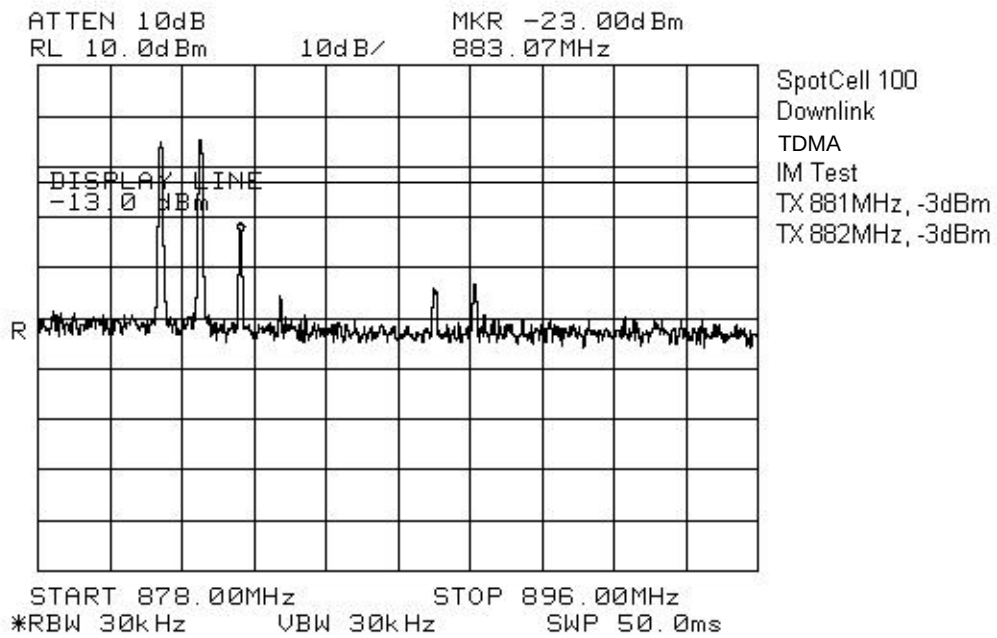
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



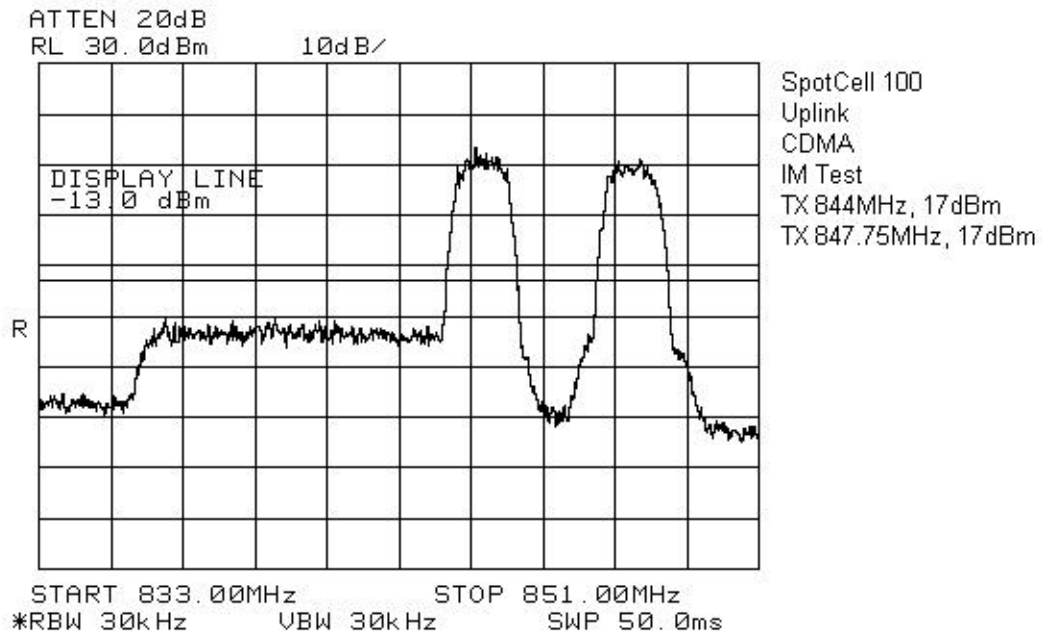
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



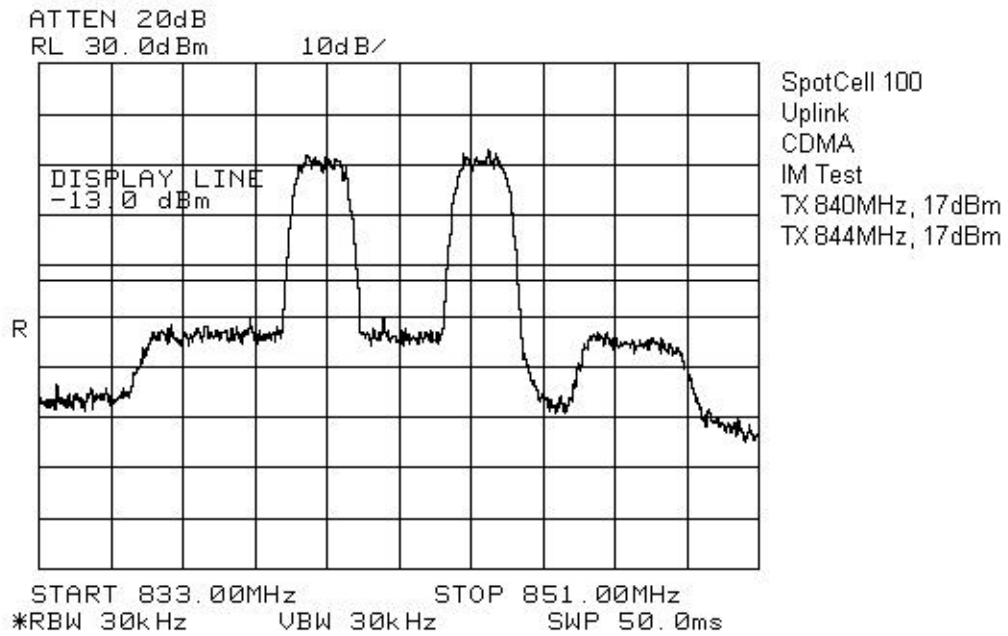
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



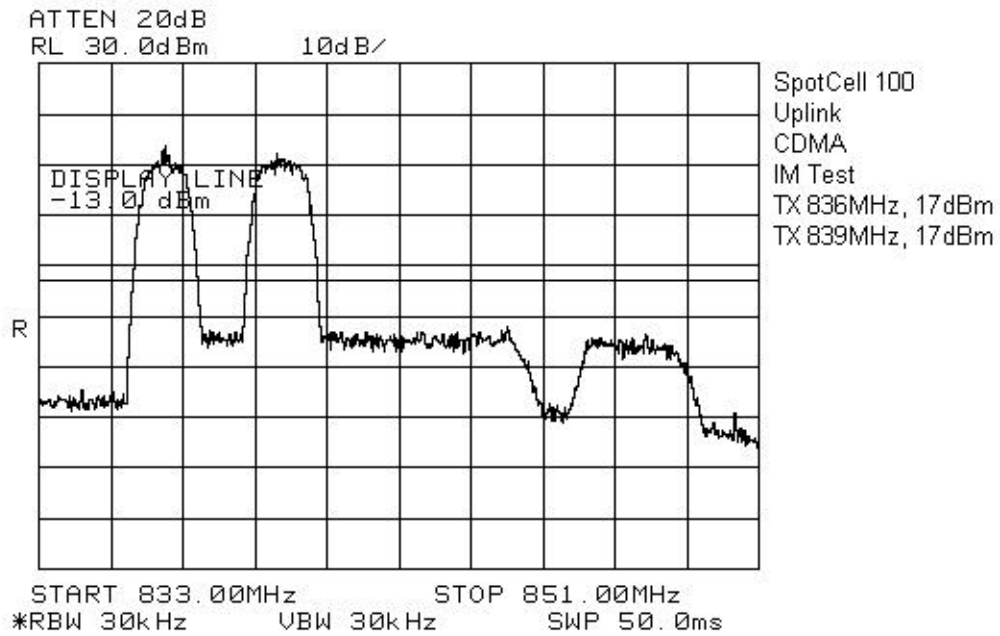
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



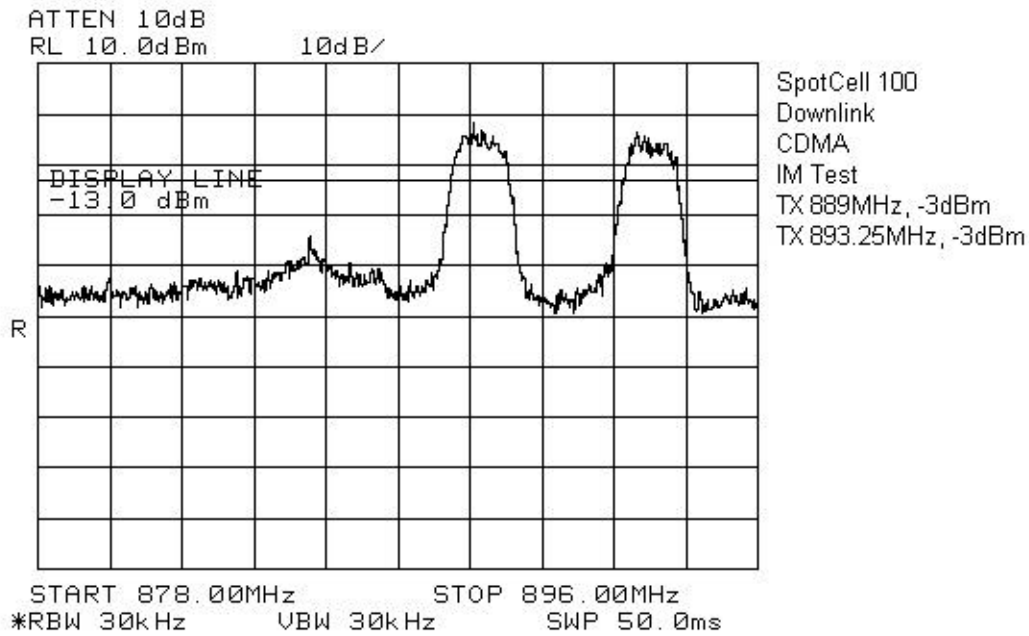
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



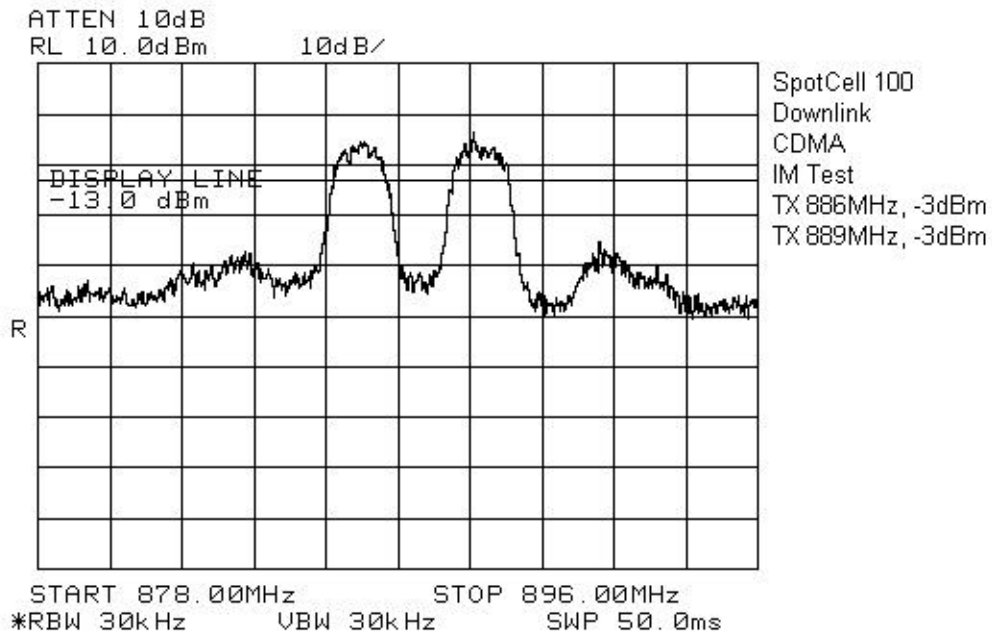
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



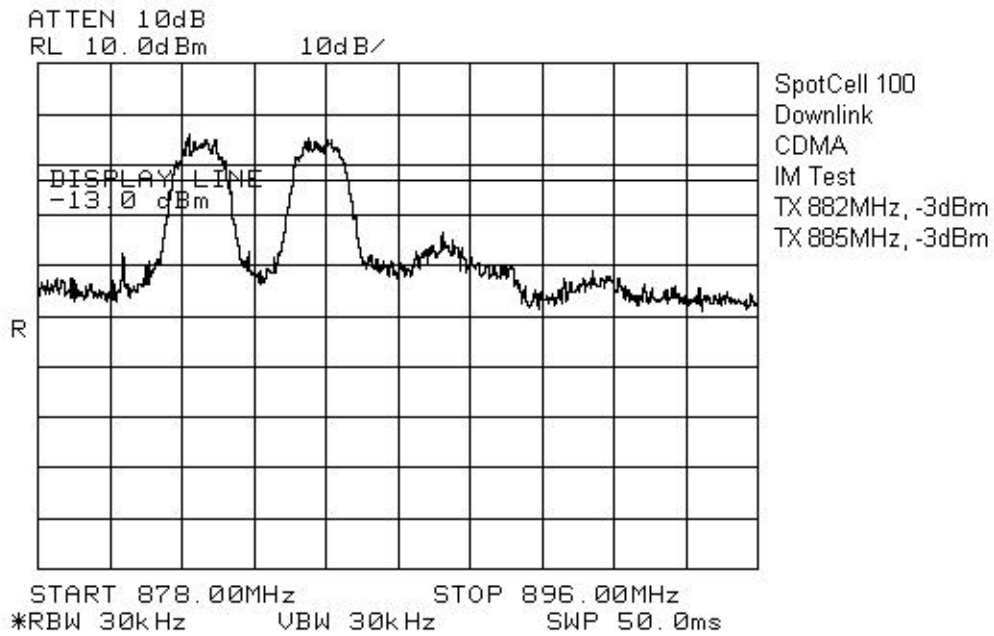
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



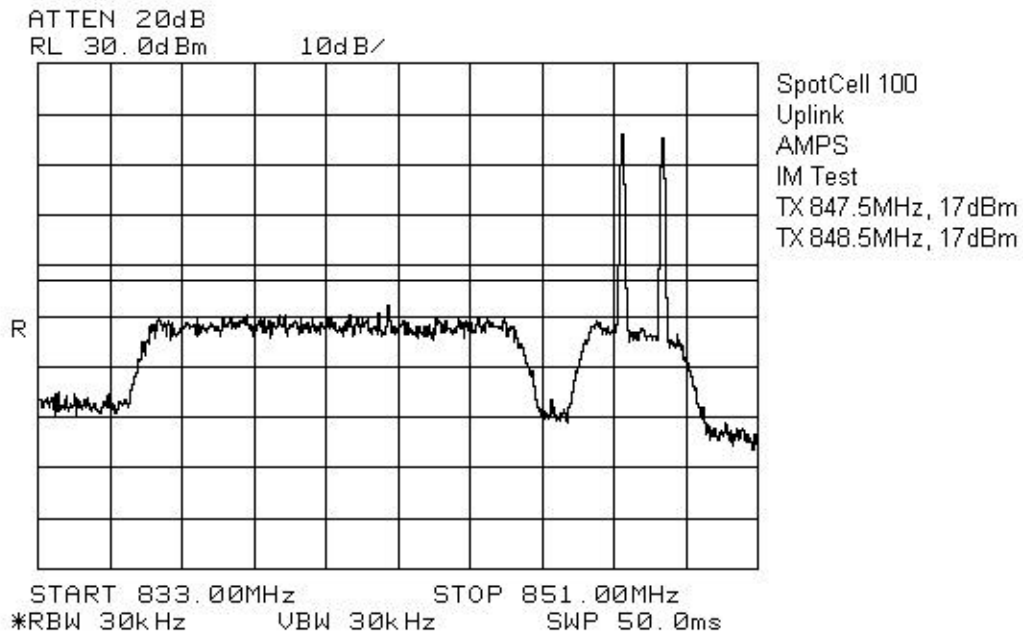
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



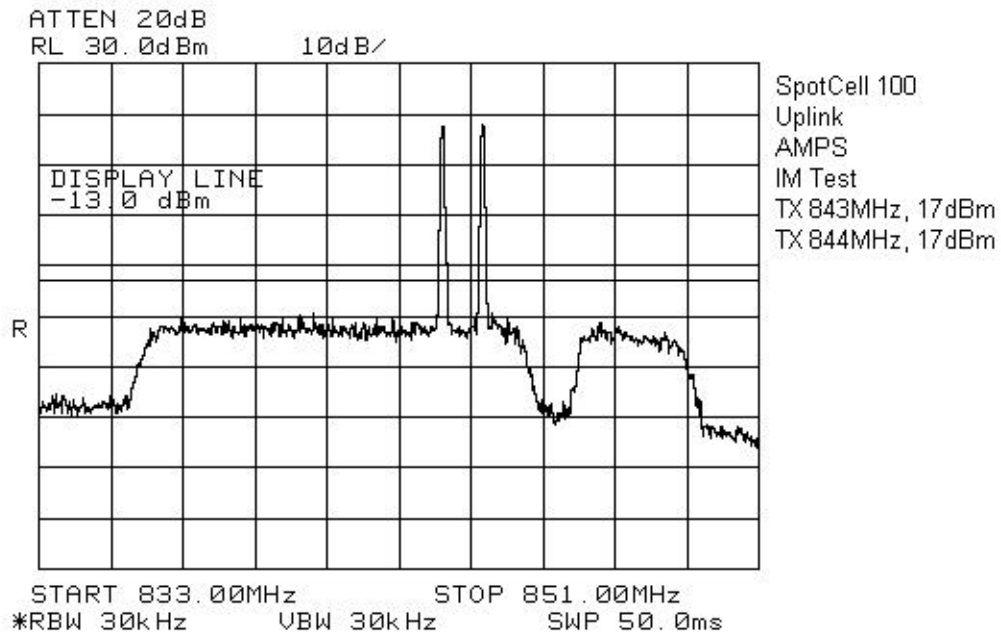
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



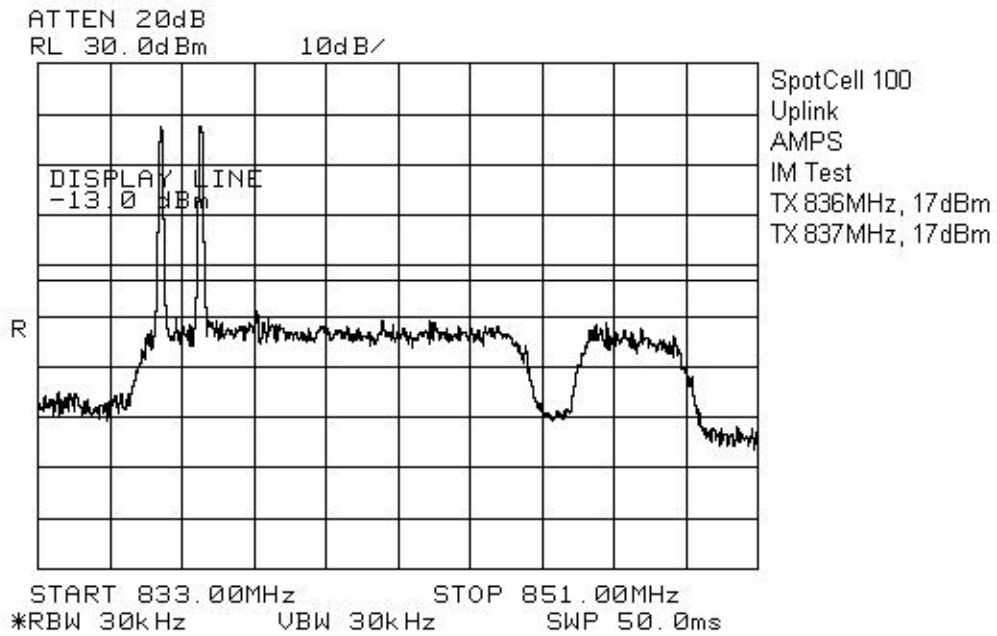
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



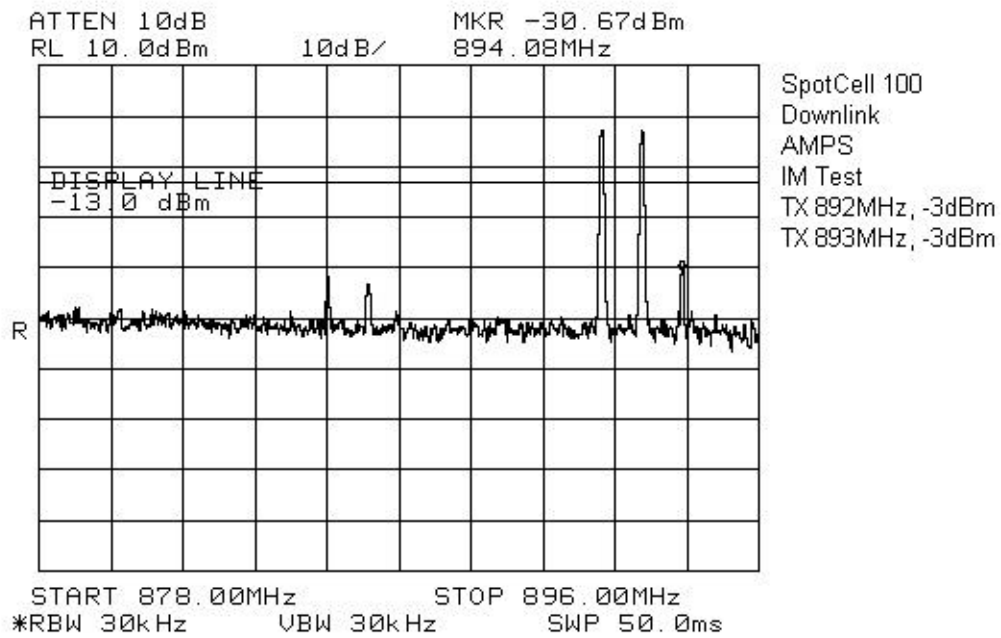
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



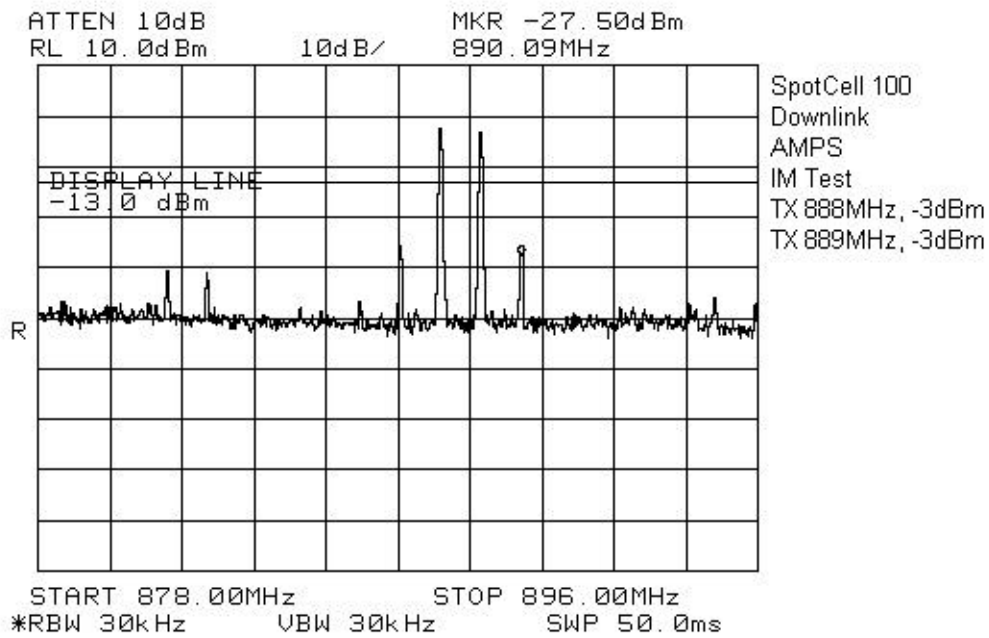
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



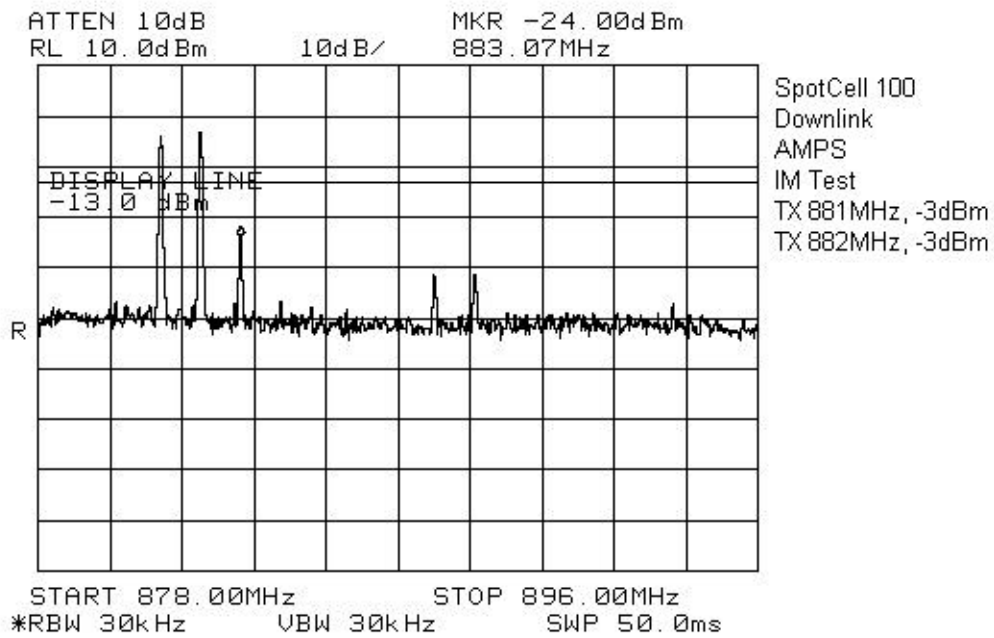
EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater



Section 6. Field Strength of Spurious Emissions

Para. No.: 2.1053

Test Performed By: Glen Westwell	Date of Test: 12 Mar. 2002
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Minimum Standard: 22.917(e); -13dBm

Test Results: Complies.

Measurement Data: See attached data.

EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater

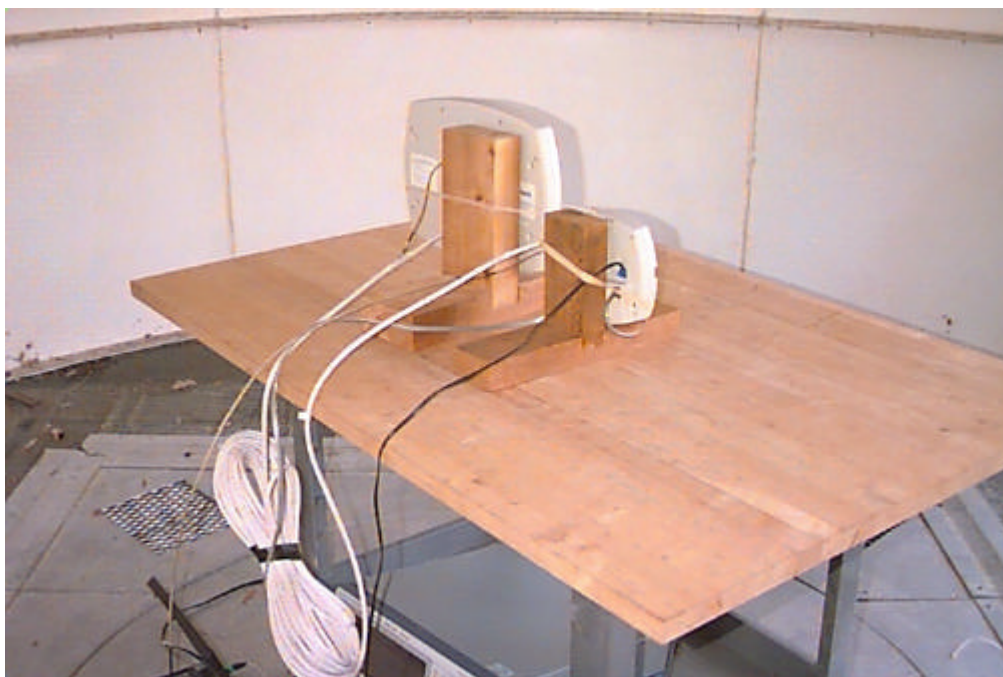
Test Data - Field Strength of Spurious Emissions

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)
1680.0	SSV	V	87.0	-117.4			-30.4	-13.0	17.4
1680.0	SSH	H	54.2	-117.8			-63.6	-13.0	50.6
2520.0	SSV	V	56.0	-123.2			-67.2	-13.0	54.2
2520.0	SSH	H	N.D.	-123.0			N.D.	-13.0	N.D.
3660.0	SSV	V	73.7	-118.8			-45.1	-13.0	32.1
3660.0	SSH	H	65.7	-120.4			-54.7	-13.0	41.7
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.

EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater

Field Strength of Spurious Emissions - Photograph
SpotCell 100



Section 7. Frequency Stability

Para. No.: 2.1055

Test Performed By: Glen Westwell	Date of Test: 13 Mar. 2002
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Minimum Standard: 22.355

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

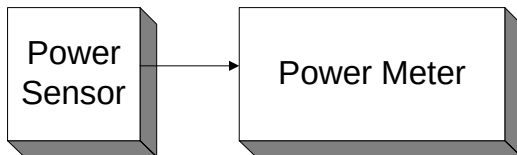
Measurement Data: Standard Test Frequency: (0°C to +40°C)

Uplink:840.000 000 MHz

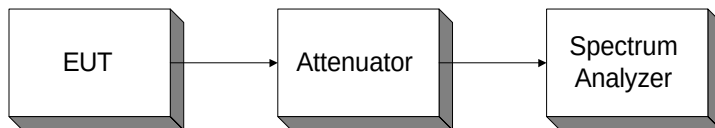
Downlink: 885.000 000 MHz

Section 8. Block Diagrams

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



Para. No. 2.1049 - Occupied Bandwidth

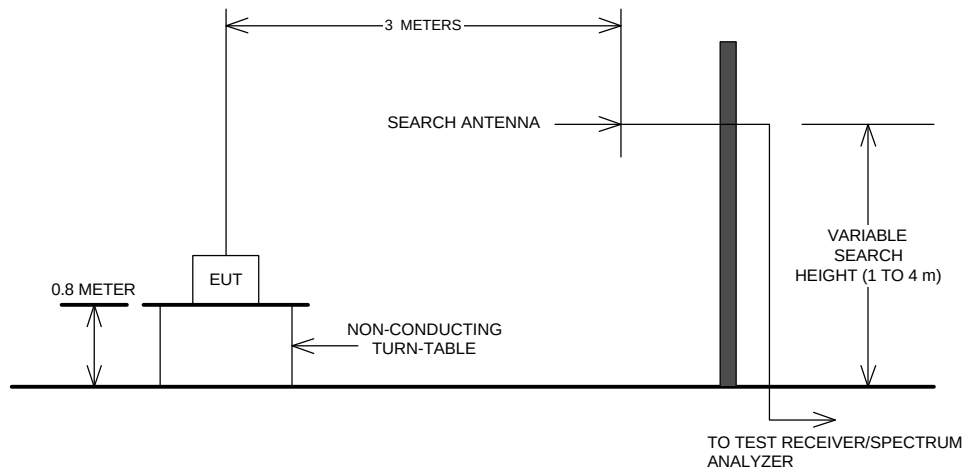


Para. No. 2.1051 - Spurious Emissions at Antenna Terminals

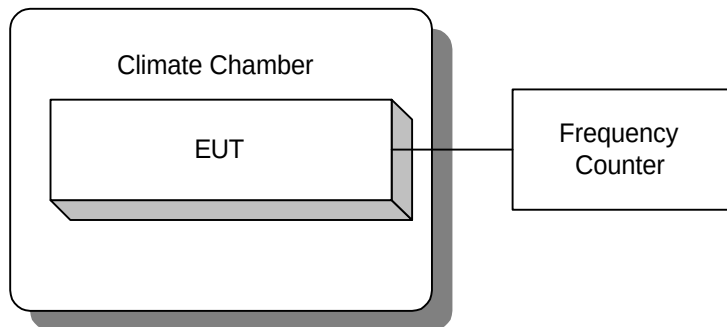


EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater

Para. No. 2.1053 - Field Strength of Spurious Radiation



Para. No. 2.1055 - Frequency Stability



EQUIPMENT: SpotCell 100, Low Power Cellular Band Repeater

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	27 Nov 2001	27 Nov 2002
1 Year	Spectrum Analyzer Display-1	Hewlett Packard	8566B	2314A04759	27 Nov 2001	27 Nov 2002
1 Year	Quasi-peak adapter-1	Hewlett-Packard	85650A	2043A00302	27 Nov 2001	27 Nov 2002
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. 1/01	Dec. 1/02
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	11 Jan 2002	11 Jan 2003
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