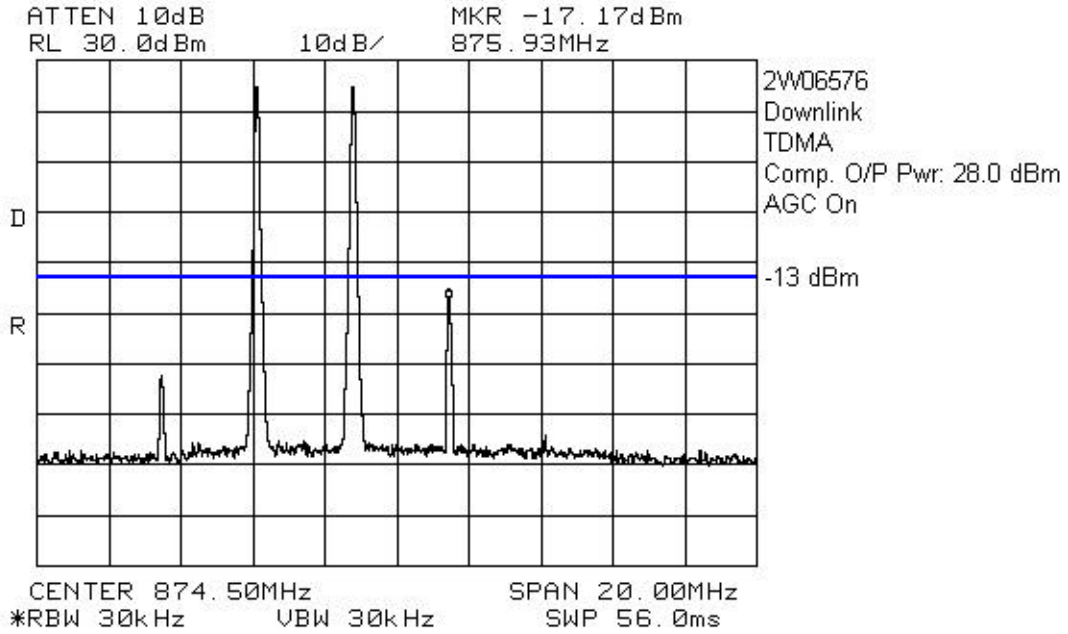
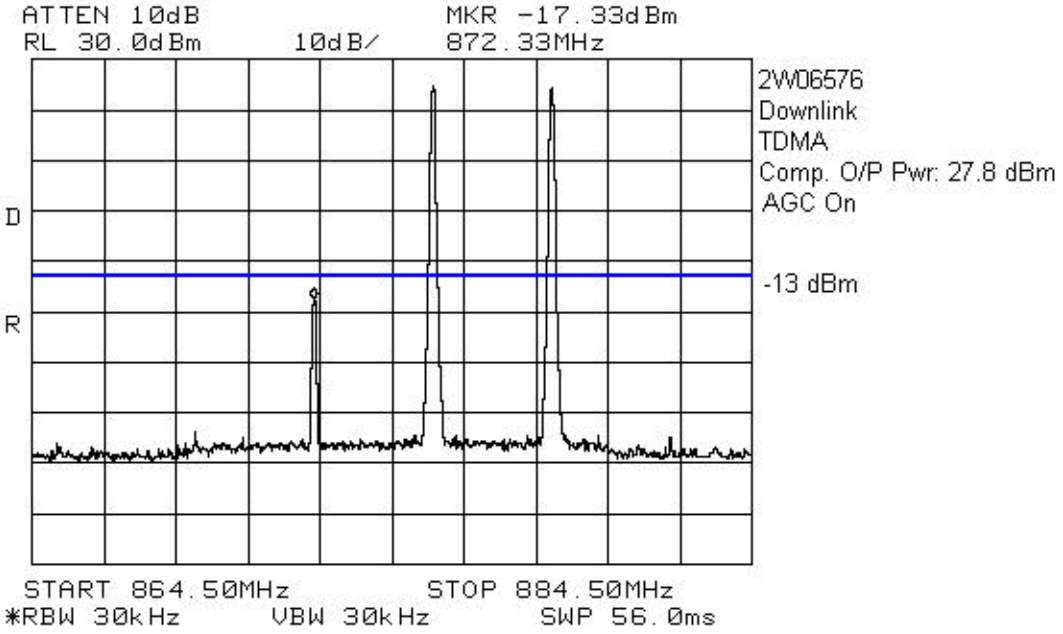
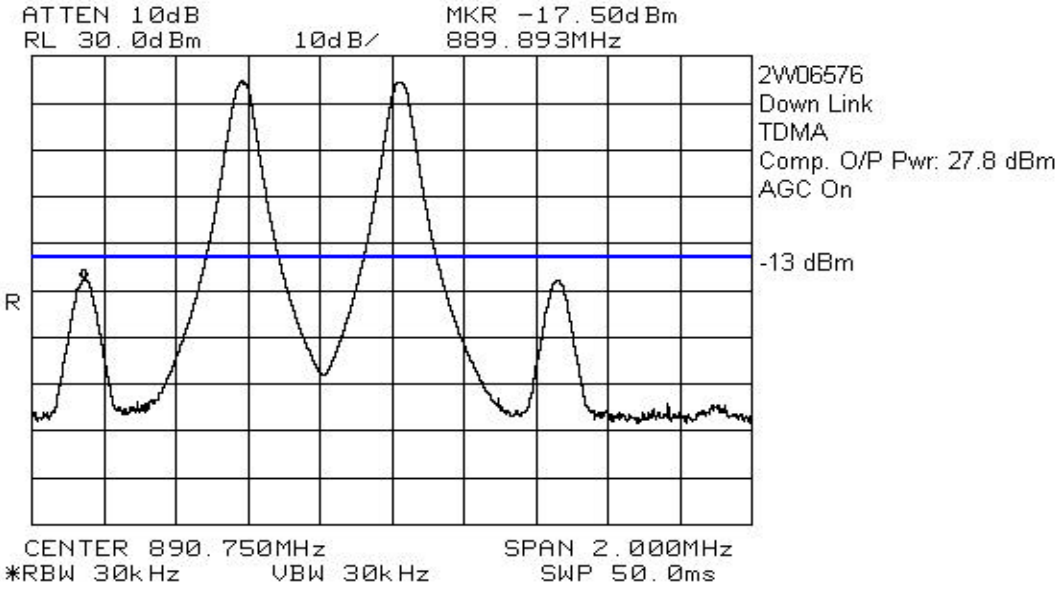
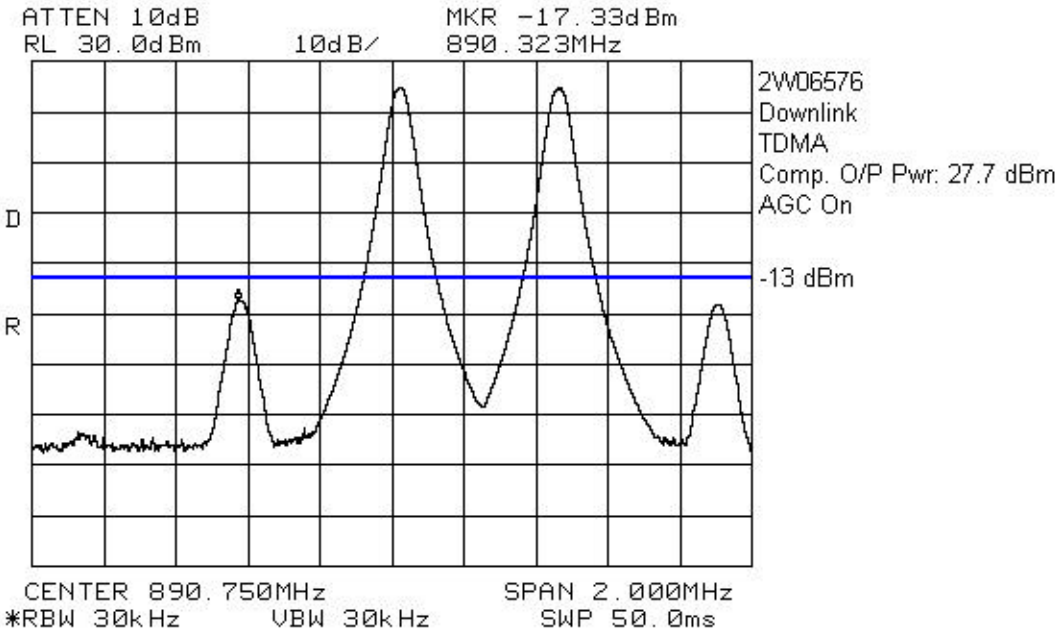
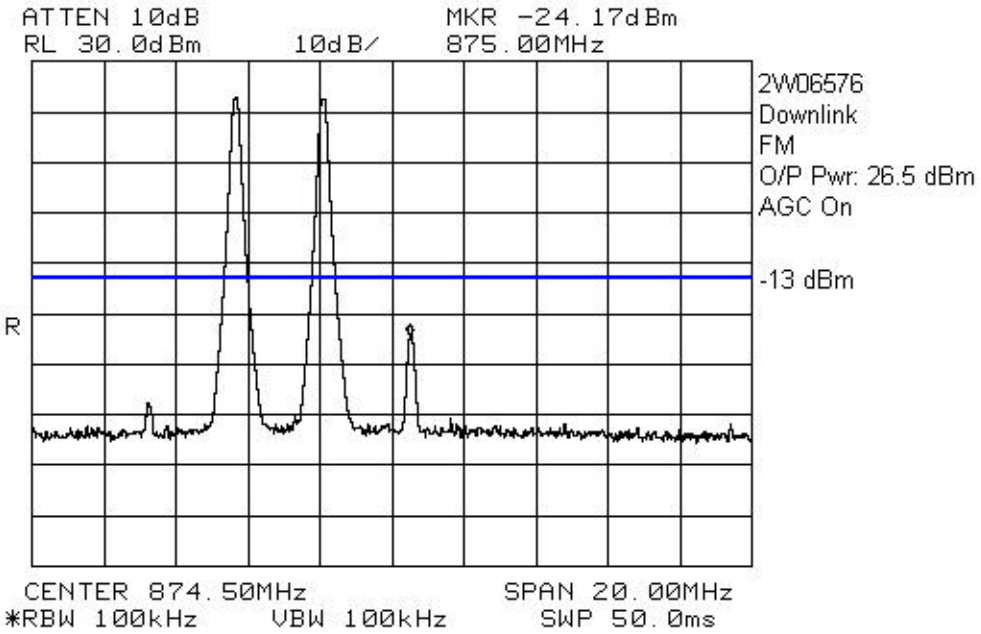
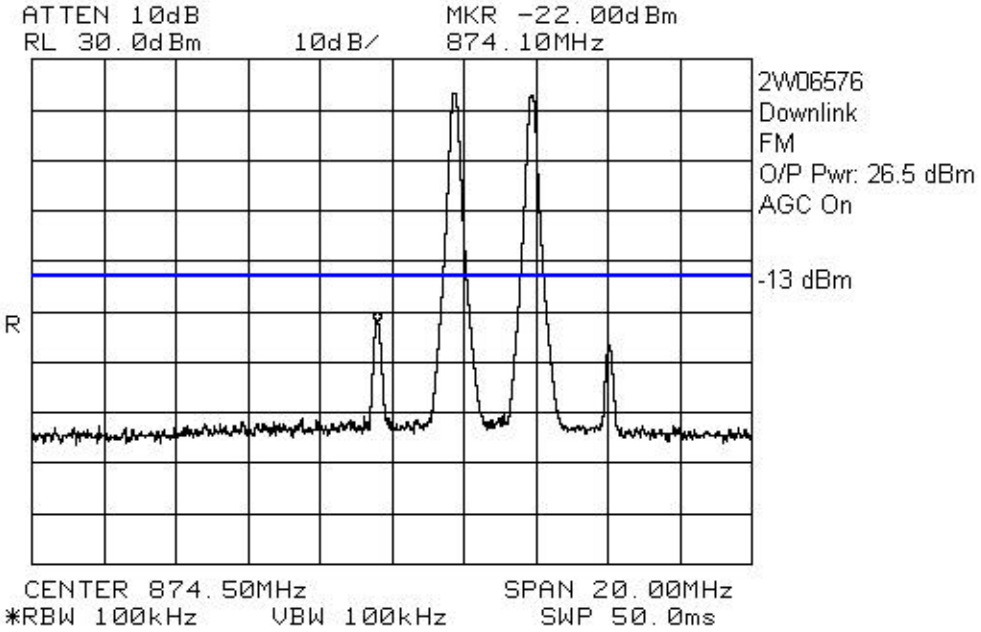

ATTEN 10dB
RL 30.0dBm
10dB/
MKR -17.17dBm
875.93MHz
2W06576
Downlink
TDMA
Comp. O/P Pwr: 28.0 dBm
AGC On
D
R
-13 dBm
CENTER 874.50MHz
SPAN 20.00MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

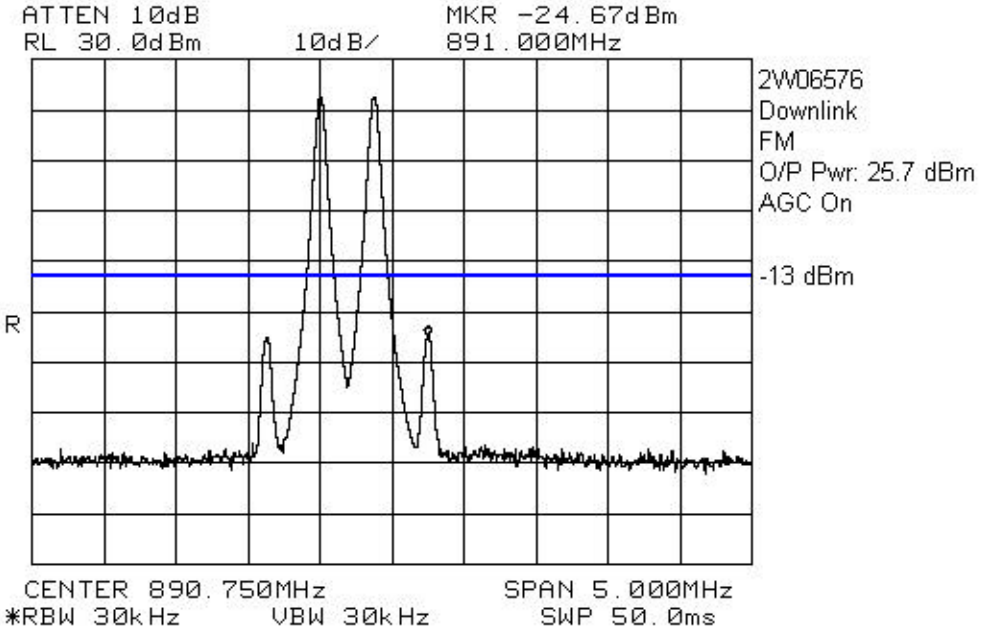

ATTEN 10dB
RL 30.0dBm
10dB/
MKR -17.33dBm
872.33MHz
2W06576
Downlink
TDMA
Comp. O/P Pwr: 27.8 dBm
AGC On
D
-13 dBm
R
START 864.50MHz
STOP 884.50MHz
*RBW 30kHz
VBW 30kHz
SWP 56.0ms

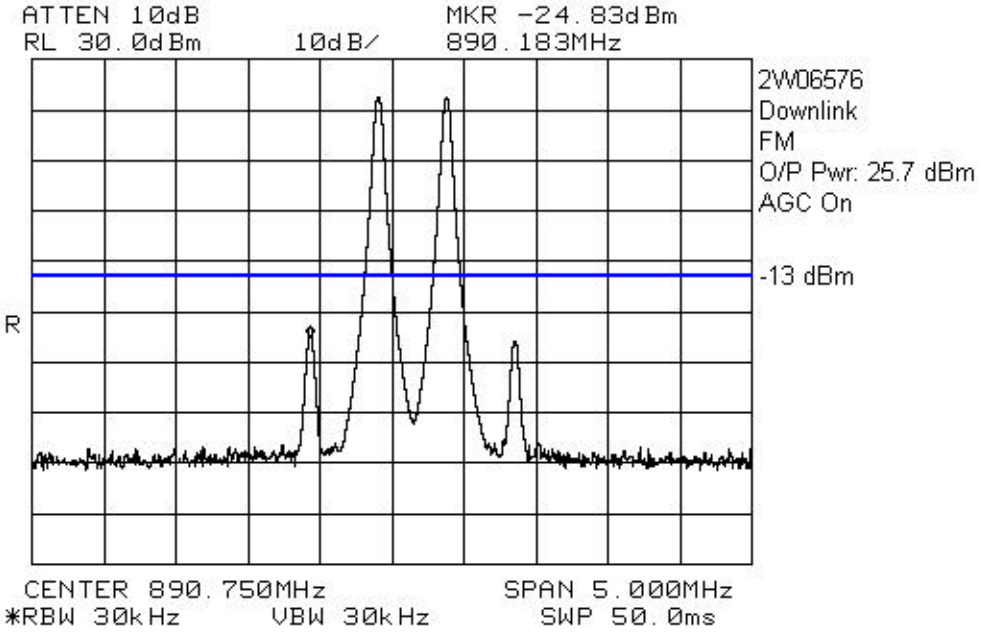

ATTEN 10dB
RL 30.0dBm
10dB/
MKR -17.50dBm
889.893MHz
2W06576
Down Link
TDMA
Comp. O/P Pwr: 27.8 dBm
AGC On
-13 dBm
R
CENTER 890.750MHz
SPAN 2.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

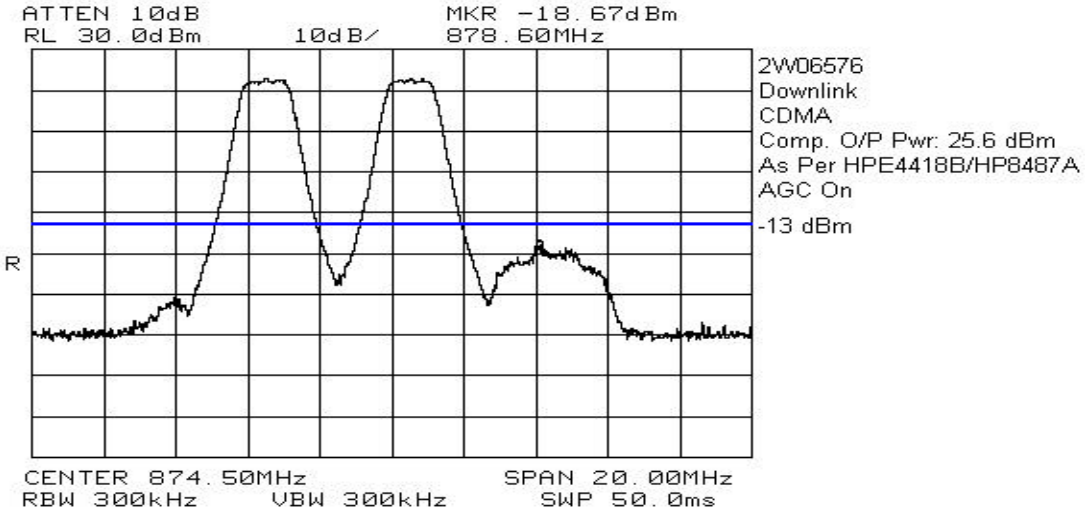

ATTEN 10dB
RL 30.0dBm
10dB/
MKR -17.33dBm
890.323MHz
2W06576
Downlink
TDMA
Comp. O/P Pwr: 27.7 dBm
AGC On
D
-13 dBm
R
CENTER 890.750MHz
SPAN 2.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms

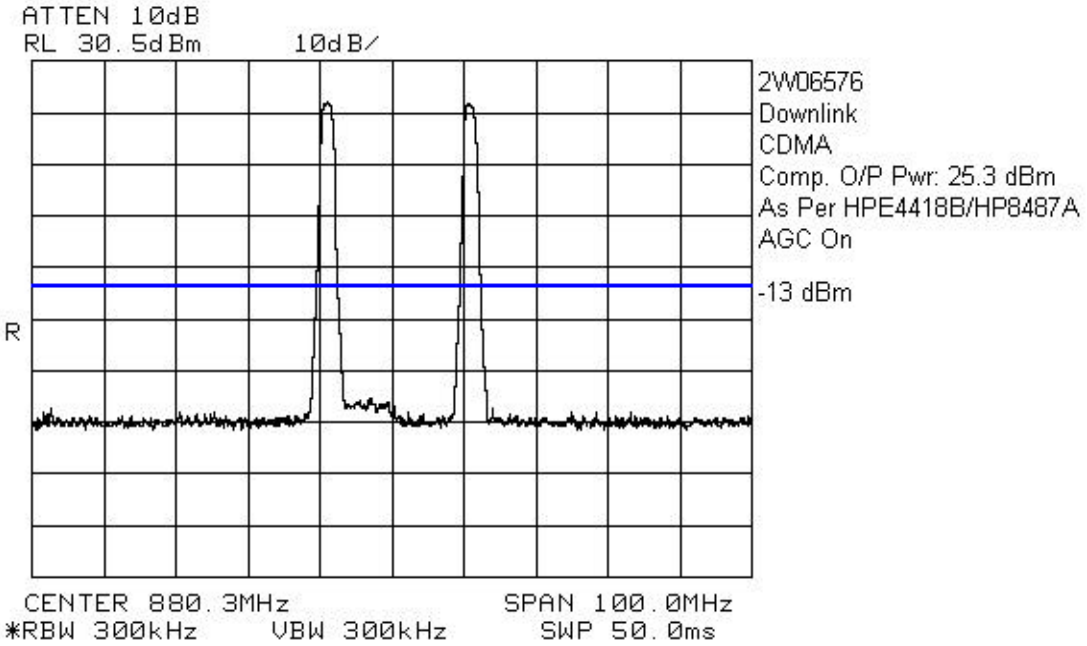

ATTEN 10dB
RL 30.0dBm
10dB/
MKR -24.17dBm
875.00MHz
2W06576
Downlink
FM
O/P Pwr: 26.5 dBm
AGC On
-13 dBm
R
CENTER 874.50MHz
SPAN 20.00MHz
*RBW 100kHz
VBW 100kHz
SWP 50.0ms

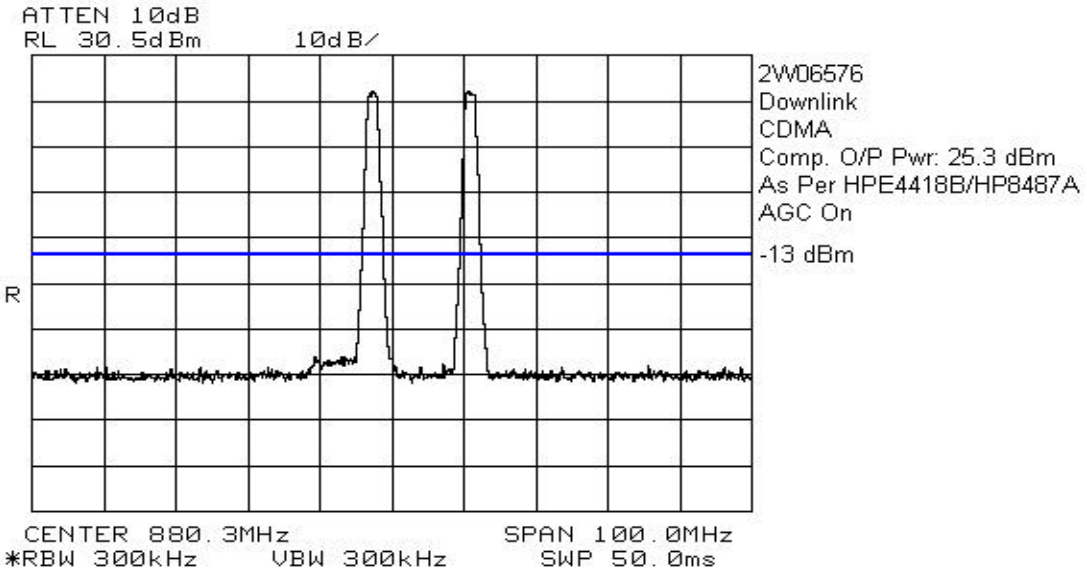

ATTEN 10dB
RL 30.0dBm
10dB/
MKR -22.00dBm
874.10MHz
2W06576
Downlink
FM
O/P Pwr: 26.5 dBm
AGC On
-13 dBm
R
CENTER 874.50MHz
SPAN 20.00MHz
*RBW 100kHz
VBW 100kHz
SWP 50.0ms


ATTEN 10dB
RL 30.0dBm
10dB/
MKR -24.67dBm
891.000MHz
2W06576
Downlink
FM
O/P Pwr: 25.7 dBm
AGC On
-13 dBm
R
CENTER 890.750MHz
SPAN 5.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms


ATTEN 10dB
RL 30.0dBm
10dB/
MKR -24.83dBm
890.183MHz
2W06576
Downlink
FM
O/P Pwr: 25.7 dBm
AGC On
-13 dBm
R
CENTER 890.750MHz
SPAN 5.000MHz
*RBW 30kHz
VBW 30kHz
SWP 50.0ms


ATTEN 10dB
RL 30.0dBm
10dB/
MKR -18.67dBm
878.60MHz
2W06576
Downlink
CDMA
Comp. O/P Pwr: 25.6 dBm
As Per HPE4418B/HP8487A
AGC On
-13 dBm
R
CENTER 874.50MHz
SPAN 20.00MHz
RBW 300kHz
VBW 300kHz
SWP 50.0ms


ATTEN 10dB
RL 30.5dBm
10dB/
2W06576
Downlink
CDMA
Comp. O/P Pwr: 25.3 dBm
As Per HPE4418B/HP8487A
AGC On
-13 dBm
R
CENTER 880.3MHz
SPAN 100.0MHz
*RBW 300kHz
VBW 300kHz
SWP 50.0ms


ATTEN 10dB
RL 30.5dBm
10dB/
2W06576
Downlink
CDMA
Comp. O/P Pwr: 25.3 dBm
As Per HPE4418B/HP8487A
AGC On
-13 dBm
R
CENTER 880.3MHz
SPAN 100.0MHz
*RBW 300kHz
VBW 300kHz
SWP 50.0ms

Section 6. Field Strength of Spurious Emissions

Para. No.: 2.1053

Test Performed By: Kevin Carr	**Date of Test: 17 Dec. 2002**

Minimum Standard: 22.917(e): -13dBm

Test Results: Complied.

Measurement Data: See attached chart.

Radiated Disturbance Test Data:

Test Date: 17 Dec. 2002

Engineer's Name: Kevin Carr

Temperature (C°): Indoor: , Outdoor: 5 | Humidity %: Indoor 11, Outdoor: 49

Tested as per (Table Top/Floor Standing): Table Top

Test Distance (meters): 3 | Range: A

Freq. (MHz)	Ant.	Pol. V/H	RCVD Signal (dBμV)	Sig Sub. Factor (dB)	Cable Loss (dB)	Signal Substitution Power (dBm)	Limit (dBm)	Margin (dB)	Detector
40.594	BC1	V	38.6	-85.4	0.8	-46.0	-13.0	33.0	Peak
40.594	BC1	H	24.6	-81.3	0.8	-55.9	-13.0	42.9	Peak
63.934	BC1	V	29.6	-91.2	0.9	-60.7	-13.0	47.7	Peak
63.934	BC1	H	21.6	-90.5	0.9	-67.9	-13.0	54.9	Peak
30.07	BC1	V	33.1	-89.5	0.7	-55.7	-13.0	42.7	Peak
30.07	BC1	H	22.7	-82.7	0.7	-59.3	-13.0	46.3	Peak
35.0	BC1	V	31.6	-86.1	0.8	-53.8	-13.0	40.8	Peak
35.0	BC1	H	16.5	-82.1	0.8	-64.9	-13.0	51.9	Peak
91.946	BC1	V	37.8	-89.2	1.1	-50.3	-13.0	37.3	Peak
91.946	BC1	H	31.8	-92.3	1.1	-59.4	-13.0	46.4	Peak
1749	Horn 1	V	55.3	-119.7	3.8	-60.5	-13.0	47.5	Peak
1749	Horn 1	H	49.2	-120.2	3.8	-67.1	-13.0	54.1	Peak
2623.5	Horn 1	V	62.8	-127.6	7.9	-56.8	-13.0	43.8	Peak
2623.5	Horn 1	H	62.2	-128.1	7.9	-58.0	-13.0	45.0	Peak
3498	Horn 1	V	61.8	-126.0	5.3	-58.9	-13.0	45.9	Peak
3498	Horn 1	H	61.5	-128.0	5.3	-61.1	-13.0	48.1	Peak
4372.5	Horn 1	V	58.0	-120.2	6.8	-55.4	-13.0	42.4	Peak
4372.5	Horn 1	H	65.2	-120.3	6.8	-48.3	-13.0	35.3	Peak
5247	Horn 1	V	57.3	-119.1	7.6	-54.2	-13.0	41.2	Peak
5247	Horn 1	H	56.2	-116.6	7.6	-52.8	-13.0	39.8	Peak
1657	Horn 1	V	54.2	-121.0	3.5	-63.2	-13.0	50.2	Peak
1657	Horn 1	H	56.7	-121.3	3.5	-61.0	-13.0	48.0	Peak
2485.5	Horn 1	V	58.7	-127.7	5.7	-63.3	-13.0	50.3	Peak
2485.5	Horn 1	H	55.8	-127.3	5.7	-65.9	-13.0	52.9	Peak
3314	Horn 1	V	62.3	-125.4	5.5	-57.6	-13.0	44.6	Peak
3314	Horn 1	H	61.0	-126.1	5.5	-59.7	-13.0	46.7	Peak

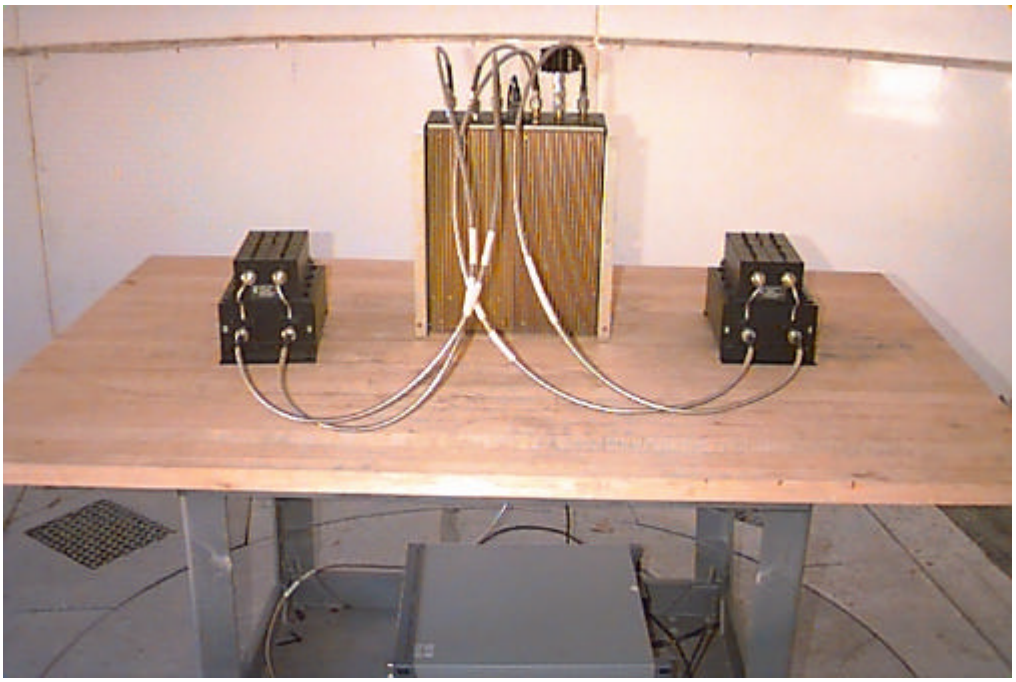
Note 1: Antenna Legend: BC = Biconical, BL = Bilog, LP = Log-Periodic, Horn = Horn, ED = EMCO Dipole
Note 2: Detector Legend: Q-Peak = 120 kHz RBW, Average = 1.0 MHz RBW

Notes: AGC On

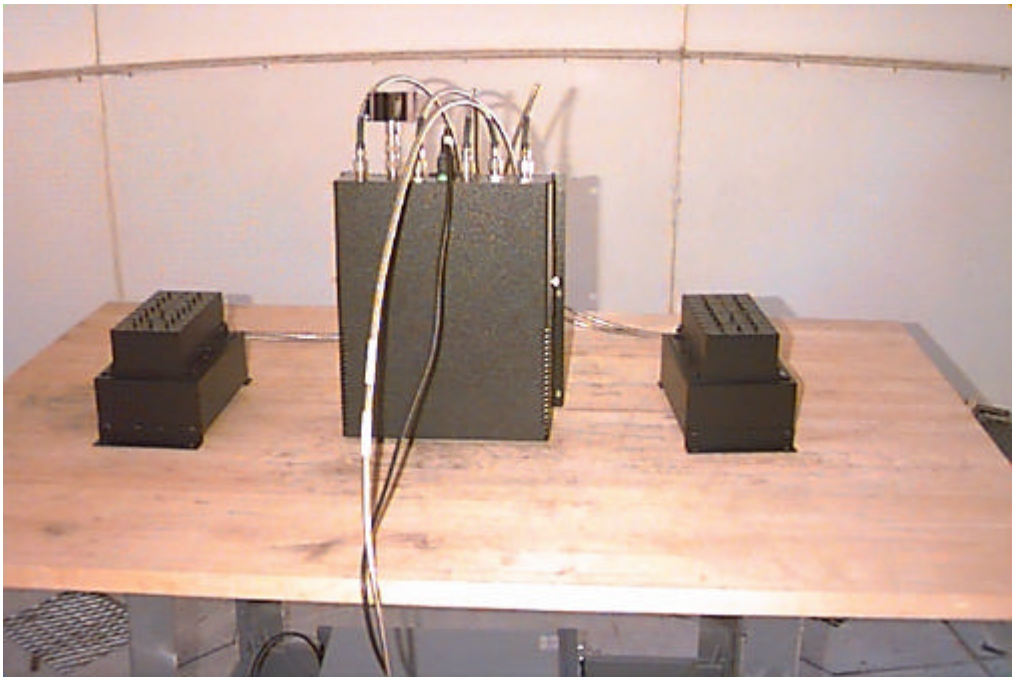
Radiated Disturbance Results(Cont.):

Final Test Result (Please Check One):	☒ Pass	☐ Fail
Were their deviations from the standard test procedure?	☐ Yes	☒ No
If yes, document:		
Has rented equipment been used?	☐ Yes	☒ No
If yes, document:		
Exercise Program: The mode used to exercise the various system components in a manner similar to typical use.	There are no computer or microprocessor parts installed that contain software. The EUT was tested at Mid. frequency of each band, at full O/P power into a 50 ohm load.	

Radiated Disturbance Detailed Setup Photos:
Rear

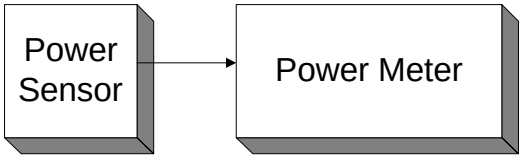


Front

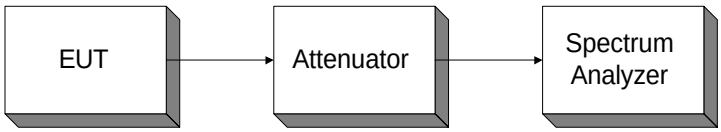


Section 7. Block Diagrams

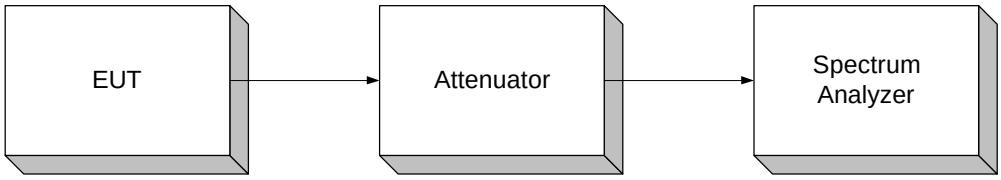
Para. No. 2.1046 - R.F. Power Output



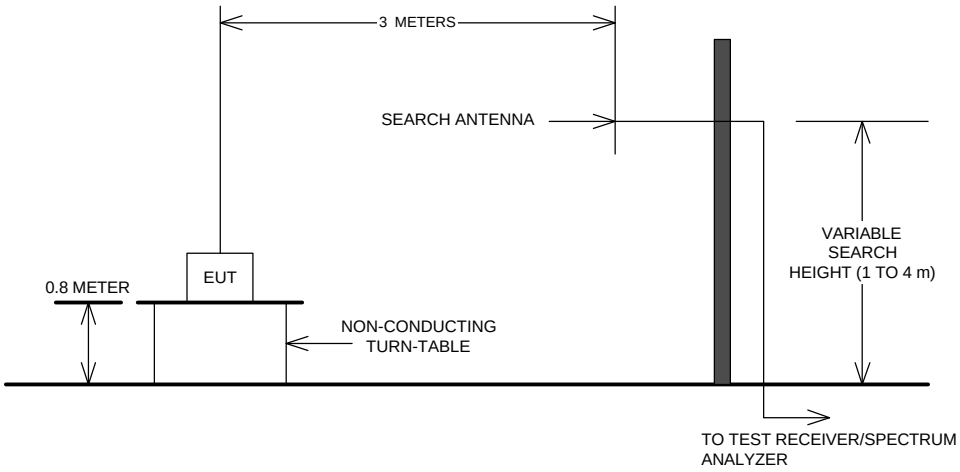
Para. No. 2.1049 - Occupied Bandwidth



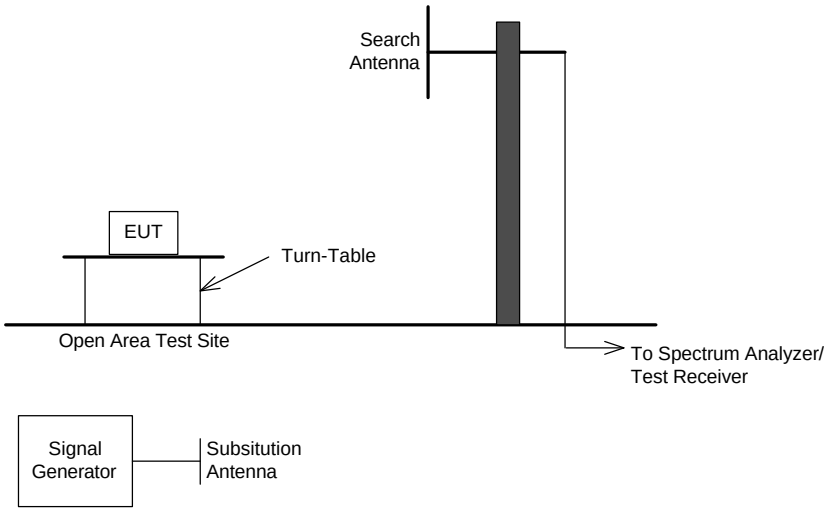
Para. No. 2.1051 - Spurious Emissions at Antenna Terminals



Para. No. 2.1053 - Field Strength of Spurious Radiation



TIA/EIA 603
Effective Radiated Power
Spurious Emissions



Section 8. Test Equipment List

CAL CYCLE	EQUIPMENT	MANUFACTURER	MODEL	SERIAL
1 Year	Spectrum Analyzer	Hewlett Packard	8564E	3846A01407
1 Year	Spectrum Analyzer-**1**	Hewlett Packard	8566B	2311A02238
1 Year	Spectrum Analyzer Display-**1**	Hewlett Packard	8566B	2314A04759
1 Year	Attenuator	Narda	768-20	9507
1 Year	Attenuator	Narda	768-10	9707
1 Year	Receiver	Rohde & Schwarz	ESVS-30	843710/002
1 year	Biconilog Antenna	EMCO	3143	1038
1 Year	Horn Antenna	EMCO #2	3115	4336
1 Year	Log Periodic Antenna 1	EMCO	LPA-25	1141
1 Year	Biconical (1) Antenna	EMCO	3109	9204-2708
1 year	50 Ω Termination	Wiltron	26N50	605248
1 Year	50 ohm Combiner Pad	Mini Circuits	ZA3PD-2	9746
3 Year	Signal Generator	Rohde & Schwarz	SM1Q03	DE22004
3 Year	Signal Generator	Rhode & Schwarz	SM1Q03E	FA001269
1 Year	RF AMP	JCA	2-4 GHz	FA001496
1 Year	RF AMP	JCA	1-2 GHz	FA001498
1 Year	RF AMP	JCA	4-8 GHz	FA001497
1 Year	Power Meter	Hewlett Packard	E4418B	FA001413
1 Year	Power Sensor	Hewlett Packard	8487A	FA001419