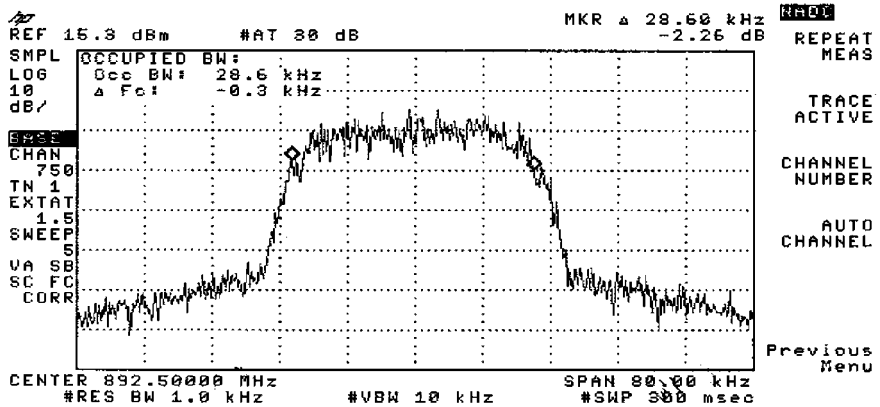
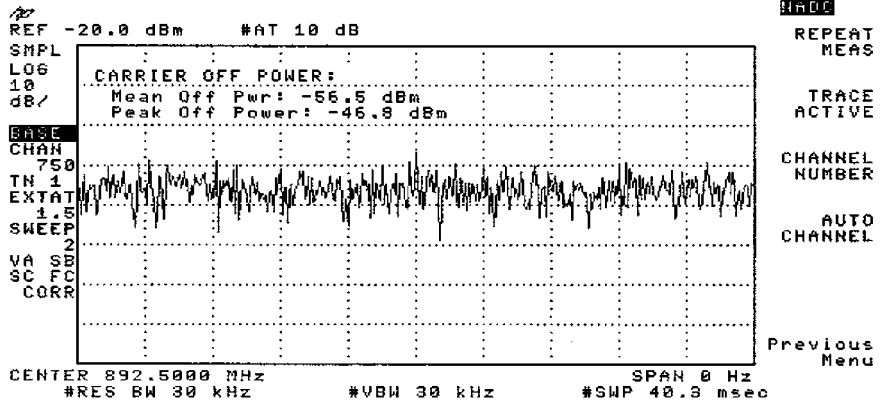
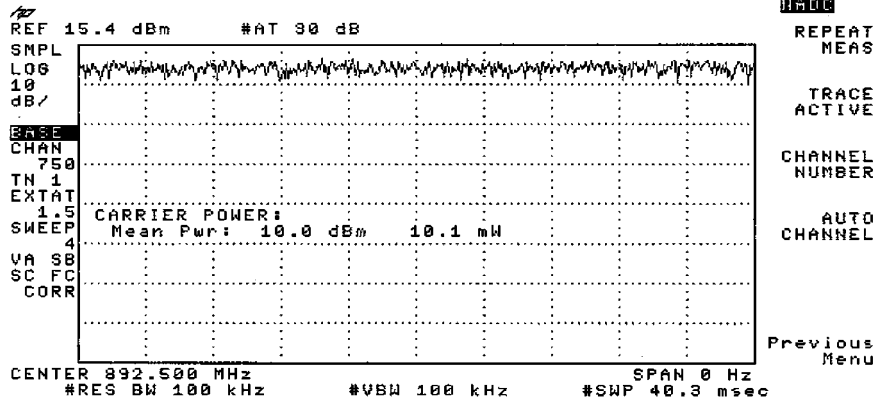
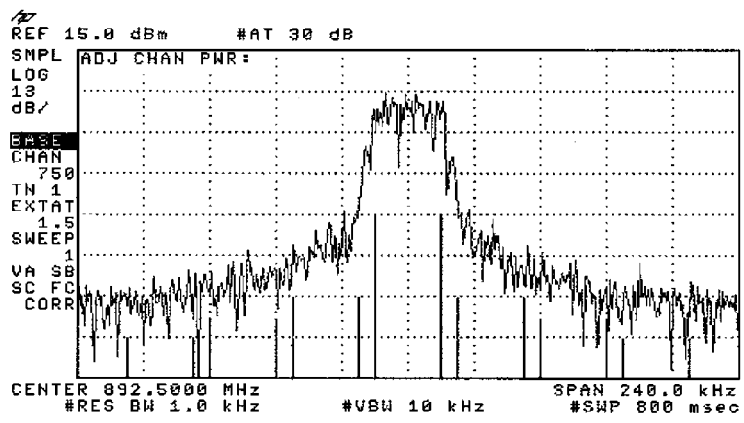


TDMA DOWNLINK





HAAC

REPEAT MEAS

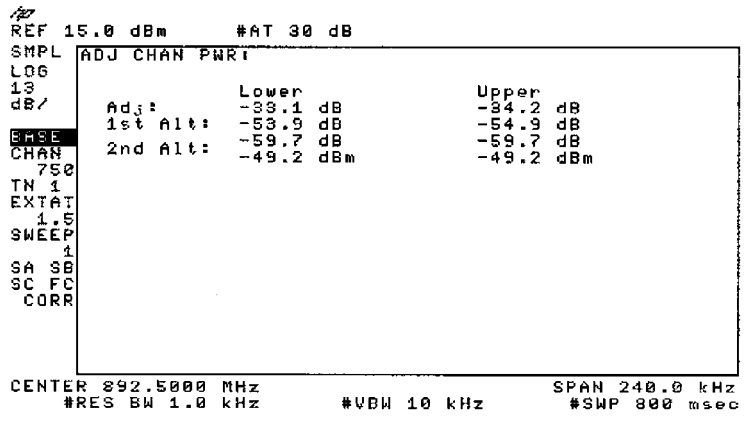
TRACE ACTIVE

CHANNEL NUMBER

AUTO CHANNEL

VIEW TBL TRCE

Previous Menu



HAAC

REPEAT MEAS

TRACE ACTIVE

CHANNEL NUMBER

AUTO CHANNEL

VIEW TBL TRCE

Previous Menu

MODULATION ACCURACY: [single timeslot]	
Measurement complete	
RMS EVM:	1.4 %
RMS MAG ERR:	0.9 %
RMS PHASE ERR:	0.6 °
PEAK EVM:	4.7 %
ORIGIN OFFSET:	-35.6 dB
FREQUENCY ERR:	4.8 Hz
DROOP (dB/sym):	-0.0003
CHANNEL 750	FREQ 892.50 MHz
BASE	TRIG FRAME SYNC WORD 1

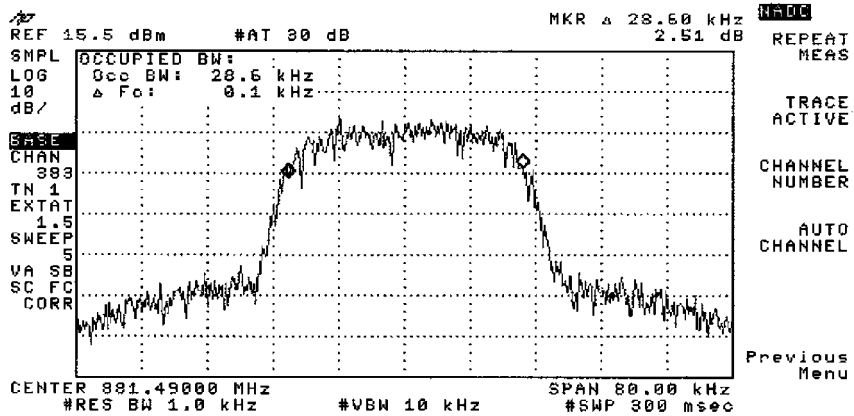
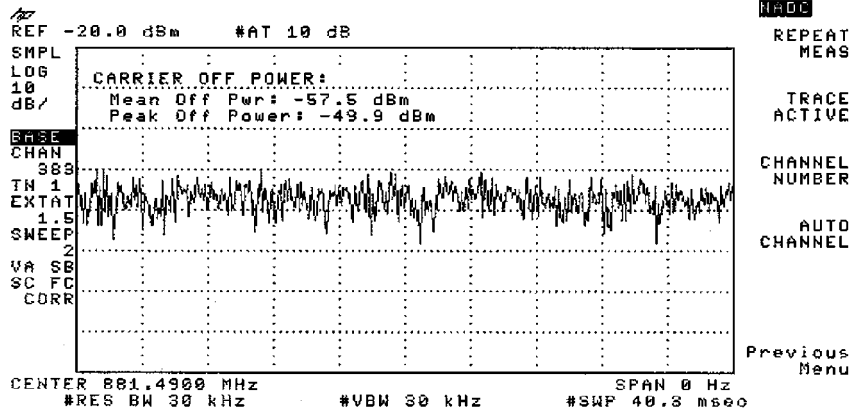
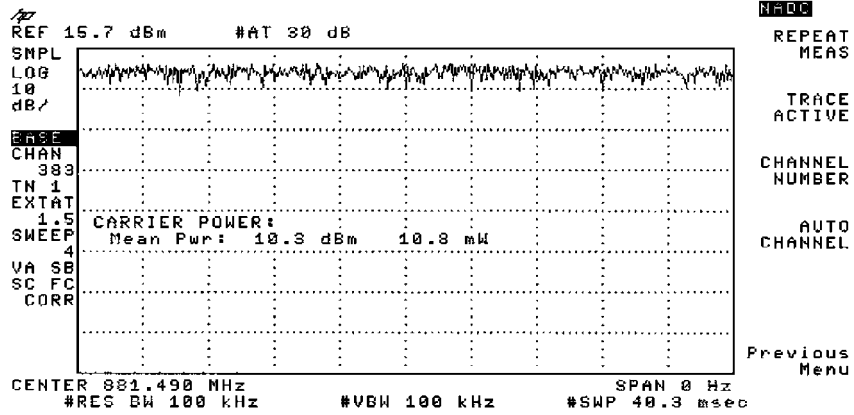
NAOC
 MODULATN
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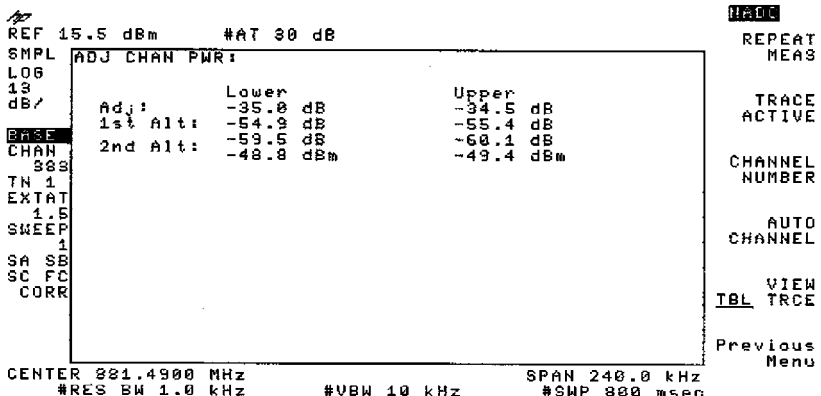
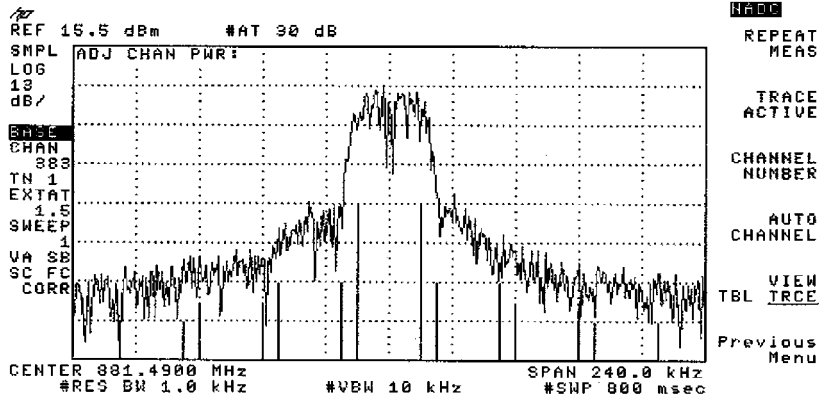
STATISTICS for sample of 10 timeslots:				
	Mean	Std dev	Max	Min
RMS EVM (%):	1.9	0.21	2.3	1.6
RMS MAG ERR (%):	0.9	0.06	1.0	0.8
RMS PHASE ERR (°):	1.0	0.14	1.2	0.8
RMS EVM Uncertainty (for N=10)				
Temp. Range 20-30 °C:	2.1 % > RMS EVM >		0.9 %	
Temp. Range 0-55 °C:	2.1 % > RMS EVM >		0.9 %	
Mean				
ORIGIN OFFSET (dB):	-35.6			
FREQUENCY ERROR (Hz):	4.7			
DROOP (dB/symbol):	-0.0001			
CHANNEL 750	FREQ 892.50 MHz	SYNC WORD 1		
BASE	TRIG FRAME			

NAOC
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DIGITAL DEMODULATOR STATUS:	
BASE	FT Acquisition Status (<1=OK>): 1
CONT	FT Time Record Status: 0
CHANNEL 750	FT Acquisition Sync Number: 1
CF 892.50 MHz	FT Acquisition Sync errors: 0
	FT Sync Bit Location: 36826
TRIG FRAME	Measurement Status (<0=OK>): 0
WRD SYNC ON	Measurement Time Record Status: 0
TIMESLOT NUM 1	Time Slot (SYNC WORD) Number: 1
	Sync Match (1=PERFECT MATCH): 1
	Sync Word Errors: 0
	Pass 1&2 Bit Compare Errors: 0
DLP REV	IQ Null Flag: 1
951021	IQ Null Count: 1
	Low Magnitude Points: 0
DSP FW REV	RMS EVM (%): 1.9
951027	PEAK EVM (%): 7.8
	ORIGIN OFFSET (dB): -35.6
SA FW REV	FREQUENCY ERROR (Hz): 4.7
380615	DROOP (dB/symbol): -0.0001

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MODULATION ACCURACY: [single timeslot]			
Measurement complete			
RMS EVM:	2.2	%	
RMS MAG ERR:	1.0	%	
RMS PHASE ERR:	1.1	°	
PEAK EVM:	8.0	%	
ORIGIN OFFSET:	-35.8	dB	
FREQUENCY ERR:	3.0	Hz	
DROOP (dB/sym):	-0.0000		
CHANNEL 383	FREQ 881.49 MHz	SYNC WORD 1	
BASE	TRIG FRAME		

NAOC
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STATISTICS for sample of 10 timeslots:				
	Mean	Std dev	Max	Min
RMS EVM (%):	1.8	0.24	2.3	1.5
RMS MAG ERR (%):	0.9	0.07	1.1	0.8
RMS PHASE ERR (°):	0.9	0.16	1.2	0.7
RMS EVM Uncertainty (for N=10)				
Temp. Range 20-30 °C:	2.1 %	> RMS EVM >	0.9 %	
Temp. Range 0-55 °C:	2.1 %	> RMS EVM >	0.9 %	
Mean				
ORIGIN OFFSET (dB):	-35.4			
FREQUENCY ERROR (Hz):	7.5			
DROOP (dB/symbol):	-0.0000			
CHANNEL 383	FREQ 881.49 MHz	SYNC WORD 1		
BASE	TRIG FRAME			

NAOC
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ACCURACY

SINGLE
CONT

FULL
PARTIAL

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Main

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DIGITAL DEMODULATOR STATUS:		
BASE	FT Acquisition Status (1=OK):	1
CONT	FT Time Record Status:	0
CHANNEL 383	FT Acquisition Sync Number:	1
CF 881.49 MHz	FT Acquisition Sync errors:	0
	FT Sync Bit Location:	36826
TRIG FRAME	Measurement Status (0=OK):	0
WRD SYNC ON	Measurement Time Record Status:	0
TIMESLOT NUM 1	Time Slot (SYNC WORD) Number:	1
	Sync Match (1=PERFECT MATCH):	1
	Sync Word Errors:	0
	Pass 1&2 Bit Compare Errors:	0
	IQ Null Flag:	1
DLP REV	IQ Null Count:	1
961021	Low Magnitude Points:	0
DSP FW REV	RMS EVM (%):	1.8
961027	PEAK EVM (%):	8.4
SA FW REV	ORIGIN OFFSET (dB):	-35.4
980615	FREQUENCY ERROR (Hz):	7.5
	DROOP (dB/symbol):	-0.0000

NAOC
Modulatn

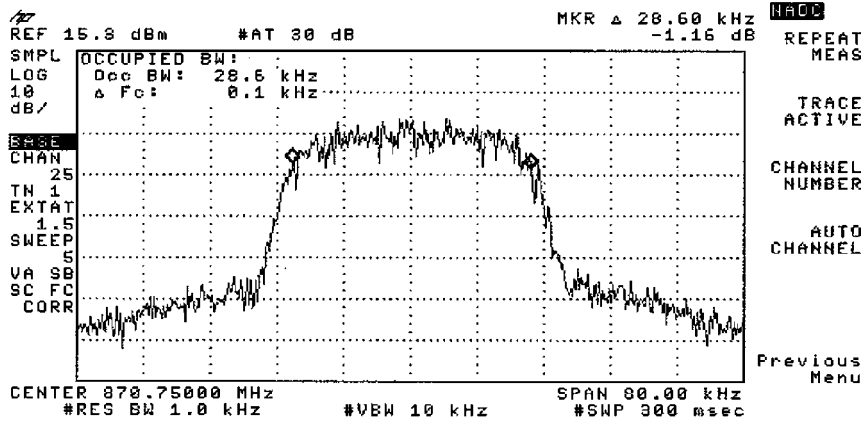
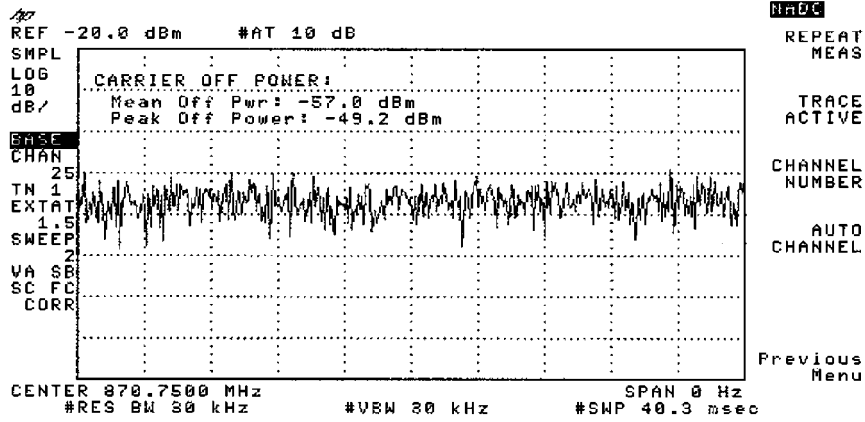
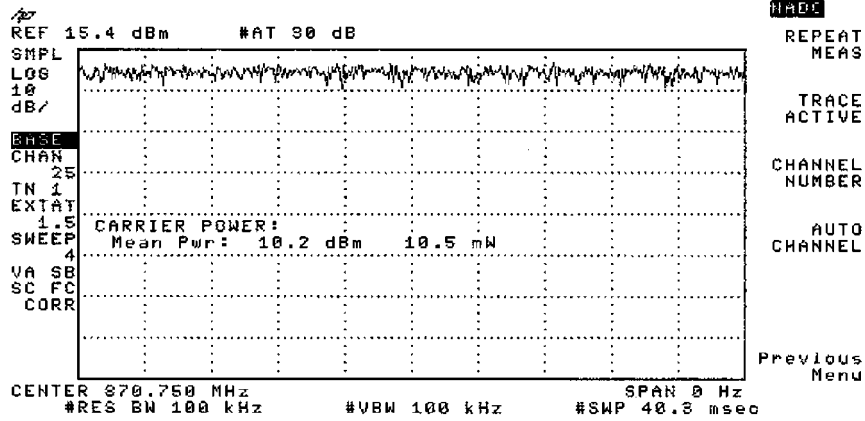
Graphs

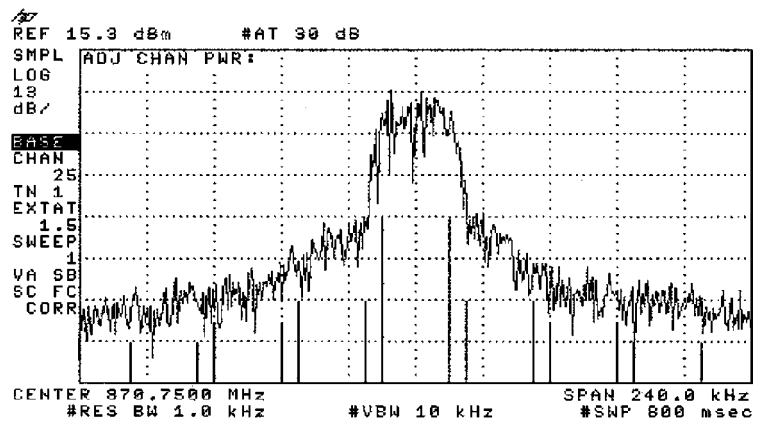
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NADC

REPEAT MEAS

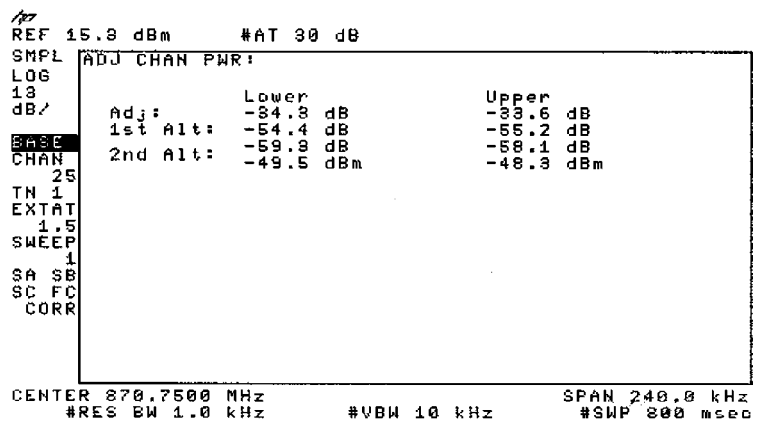
TRACE ACTIVE

CHANNEL NUMBER

AUTO CHANNEL

VIEW TBL TRCE

Previous Menu



NADC

REPEAT MEAS

TRACE ACTIVE

CHANNEL NUMBER

AUTO CHANNEL

VIEW TBL TRCE

Previous Menu

NR00

MODULATION ACCURACY: [single timeslot]			
Measurement complete			
RMS EVM:	1.8	%	
RMS MAG ERR:	0.9	%	
RMS PHASE ERR:	0.9	°	
PEAK EVM:	5.7	%	
ORIGIN OFFSET:	-35.5	dB	
FREQUENCY ERR:	-6.7	Hz	
DROOP (dB/sym):	-0.0003		
CHANNEL 25	FREQ 870.75 MHz	SYNC WORD 1	
BASE	TRIG FRAME		

MODULATN ACCURACY

SINGLE CONT

FULL PARTIAL

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More 1 of 2

NR00

STATISTICS for sample of 10 timeslots:				
	Mean	Std dev	Max	Min
RMS EVM (%):	1.9	0.28	2.5	1.6
RMS MAG ERR (%):	1.0	0.06	1.0	0.9
RMS PHASE ERR (°):	0.9	0.18	1.3	0.7
RMS EVM Uncertainty (for N=10)				
Temp. Range 20-30 °C:	2.1 %	> RMS EVM	>	1.0 %
Temp. Range 0-55 °C:	2.1 %	> RMS EVM	>	1.0 %
ORIGIN OFFSET (dB):				
FREQUENCY ERROR (Hz):				
DROOP (dB/symbol):				
			Mean	
			-35.0	
			5.9	
			-0.0001	
CHANNEL 25	FREQ 870.75 MHz	SYNC WORD 1		
BASE	TRIG FRAME			

MODULATN ACCURACY

SINGLE CONT

FULL PARTIAL

Demod Main

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NR00

DIGITAL DEMODULATOR STATUS:		
BASE	FT Acquisition Status (1=OK):	1
CONT	FT Time Record Status:	0
CHANNEL 25	FT Acquisition Sync Number:	1
CF 870.75 MHz	FT Acquisition Sync errors:	0
	FT Sync Bit Location:	36826
TRIG FRAME	Measurement Status (0=OK):	0
WRD SYNC ON	Measurement Time Record Status:	0
TIMESLOT NUM 1	Time Slot (SYNC WORD) Number:	1
	Sync Match (1=PERFECT MATCH):	1
	Sync Word Errors:	0
	Pass 1&2 Bit Compare Errors:	0
	IQ Null Flag:	1
	IQ Null Count:	1
	Low Magnitude Points:	0
DLP REV 961021	RMS EVM (%):	1.8
DSP FW REV 951027	PEAK EVM (%):	7.1
	ORIGIN OFFSET (dB):	-35.0
SA FW REV 980615	FREQUENCY ERROR (Hz):	11.9
	DROOP (dB/symbol):	-0.0000

Modulatn

Graphs

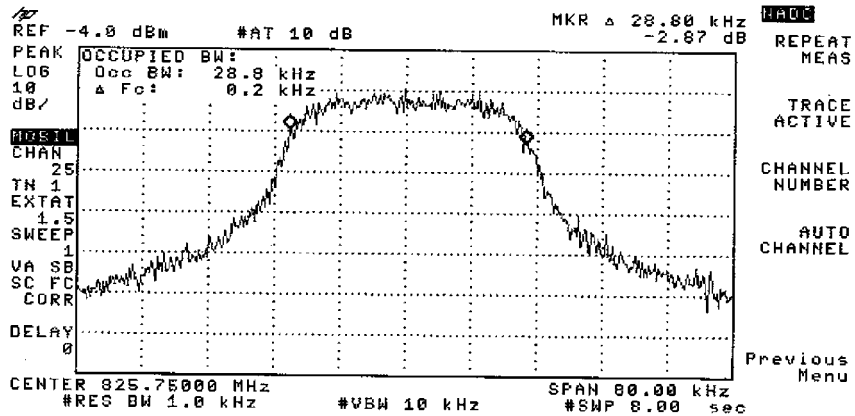
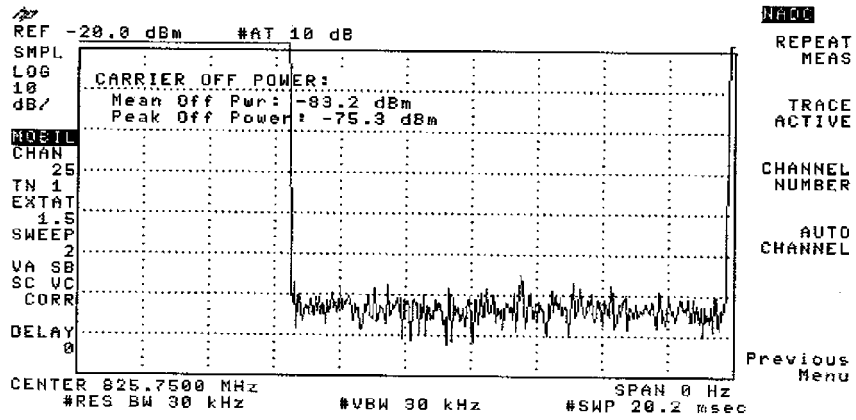
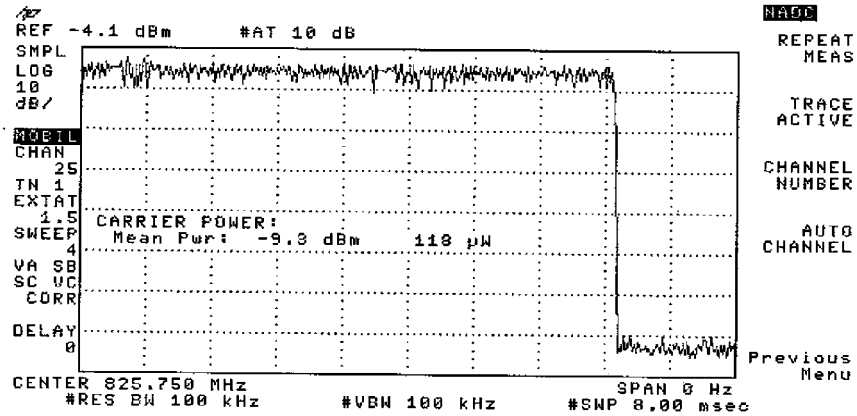
Data

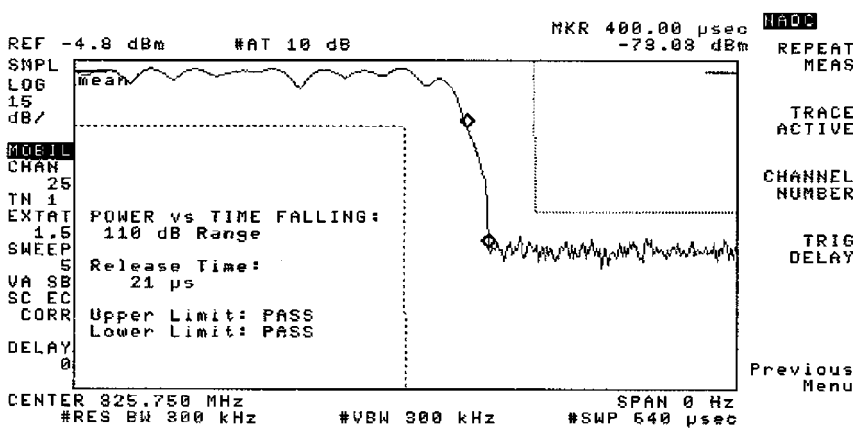
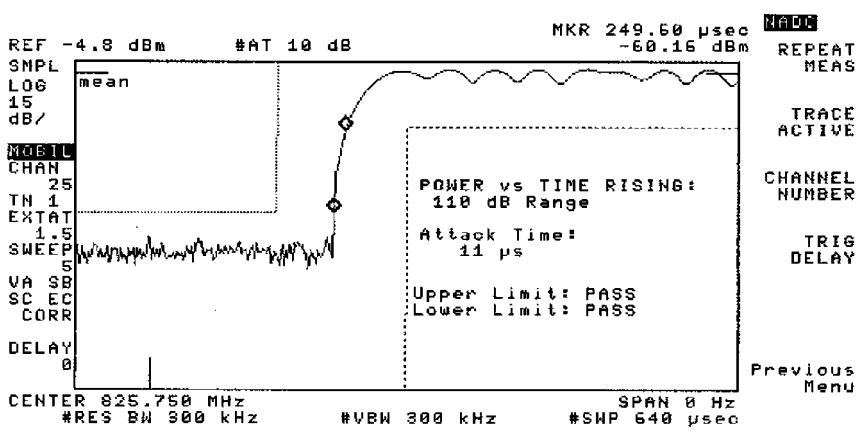
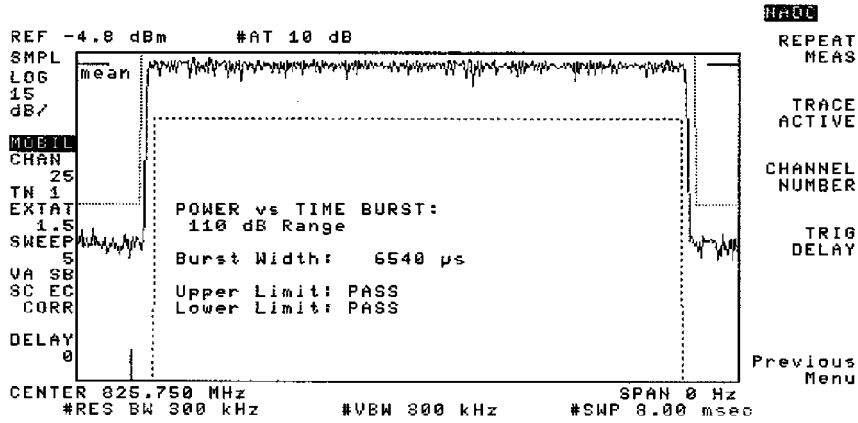
STATUS

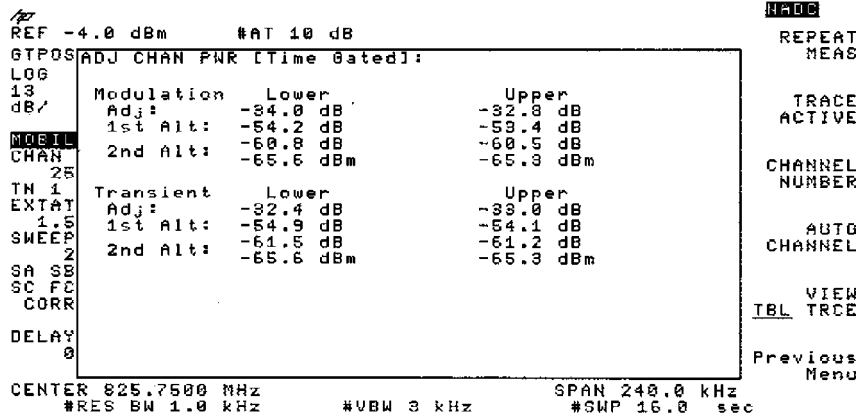
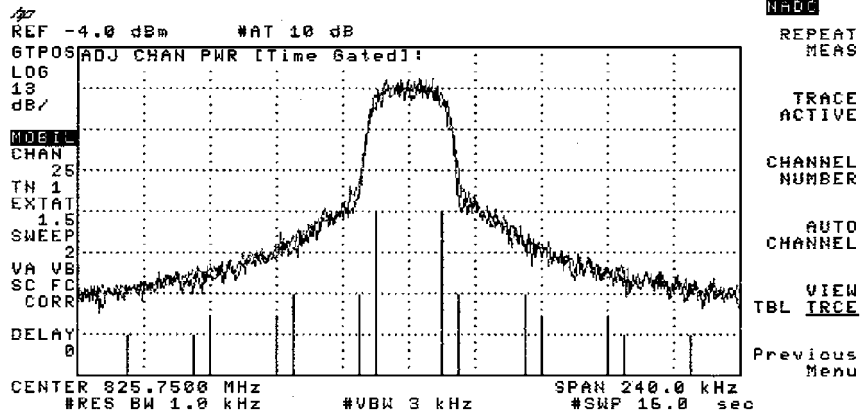
Demod Config

Main Menu

TDMA UPLINK







MODULATION ACCURACY: [single burst]			
Measurement complete			
RMS EVM:	1.7	%	
RMS MAG ERR:	1.1	%	
RMS PHASE ERR:	0.7	°	
PEAK EVM:	5.9	%	
ORIGIN OFFSET:	-34.6	dB	
FREQUENCY ERR:	-4.5	Hz	
DROOP (dB/sym):	0.0016		
CHANNEL 25	FREQ 825.75 MHz	SYNC WORD 1	
MOBILE	TRIG FRAME		

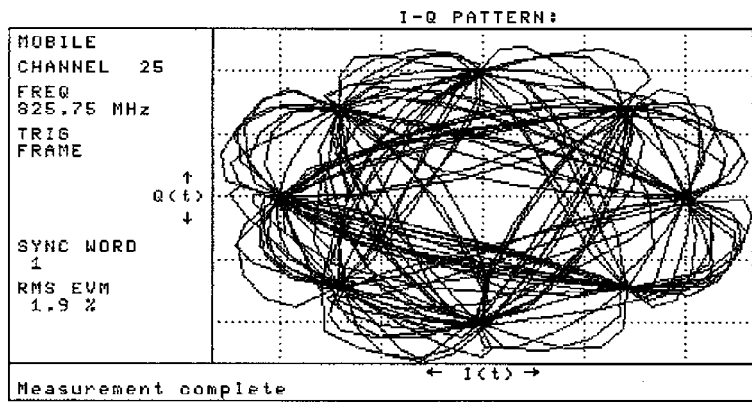
NAOC
 MODULATN
 ACCURACY
 SINGLE
 CONT
 FULL
 PARTIAL
 1 BURST
 10 BURST
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MODULATION ACCURACY: [10 symbol, 10 burst average]			
Measurement complete			
RMS EVM:	3.6	%	
RMS MAG ERR:	1.5	%	
RMS PHASE ERR:	1.9	°	
[single (full) burst measured]:			
ORIGIN OFFSET:	-35.5	dB	
FREQUENCY ERR:	-9.7	Hz	
DROOP (dB/sym):	0.0014		
CHANNEL 25	FREQ 825.75 MHz	SYNC WORD 1	
MOBILE	TRIG FRAME		

NAOC
 MODULATN
 ACCURACY
 SINGLE
 CONT
 1 BURST
 10 BURST
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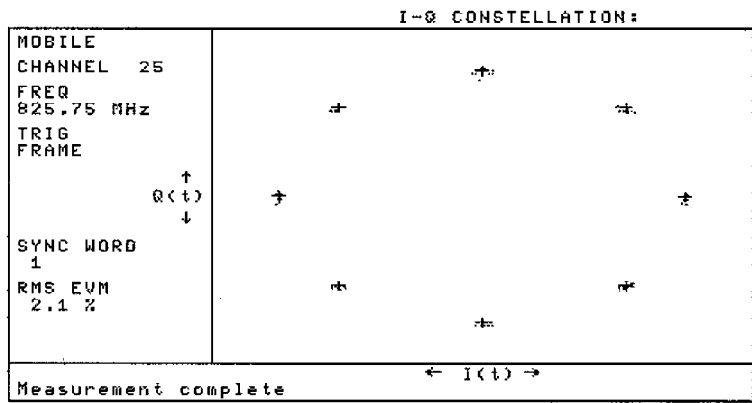
DIGITAL DEMODULATOR STATUS:		
MOBILE	FT Acquisition Status (1=OK):	1
BURST	FT Time Record Status:	0
CHANNEL 25	FT Acquisition Sync Number:	1
CF 825.75 MHz	FT Acquisition Sync errors:	0
TRIG FRAME	FT Sync Bit Location:	36798
WRD SYNC ON	Measurement Status (0=OK):	0
TINESLOT NUM 1	Measurement Time Record Status:	0
	Time Slot (SYNC WORD) Number:	1
	Sync Match (1=PERFECT MATCH):	1
	Sync Word Errors:	0
	Pass 1&2 Bit Compare Errors:	0
DLP REV	IQ Null Flag:	1
951021	IQ Null Count:	1
DSP FW REV	Low Magnitude Points:	7
951027	RMS EVM (%):	3.6
SA-FW REV	ORIGIN OFFSET (dB):	-35.5
980615	FREQUENCY ERROR (Hz):	-9.7
	DROOP (dB/symbol):	0.0014

NAOC
 Modulatn
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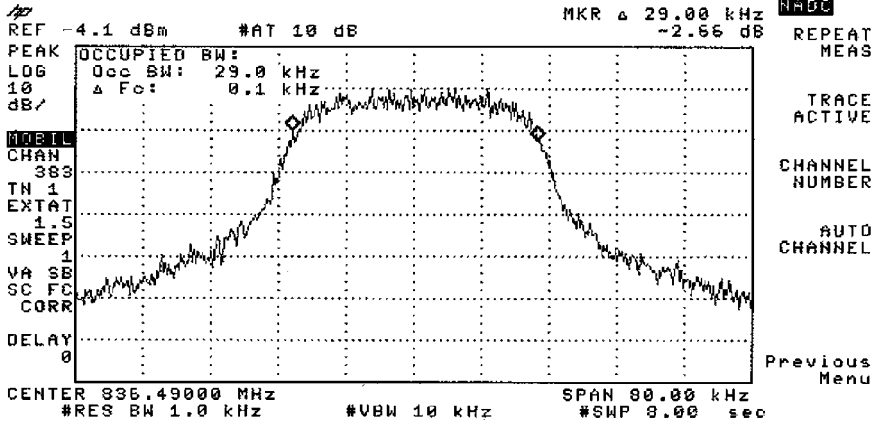
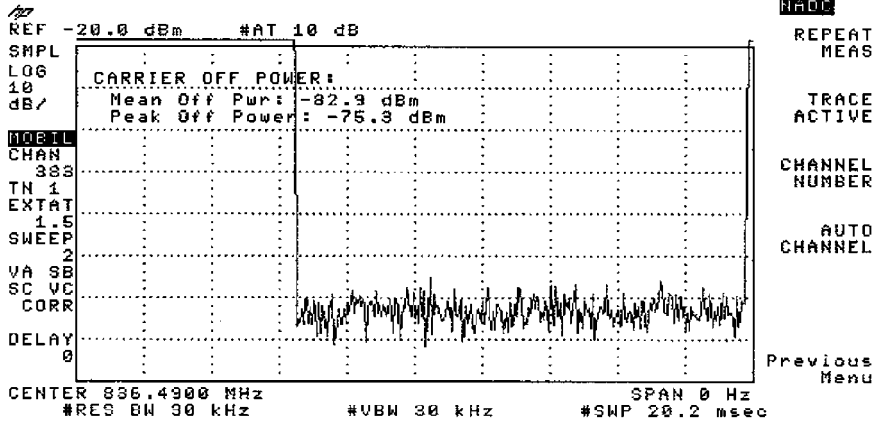
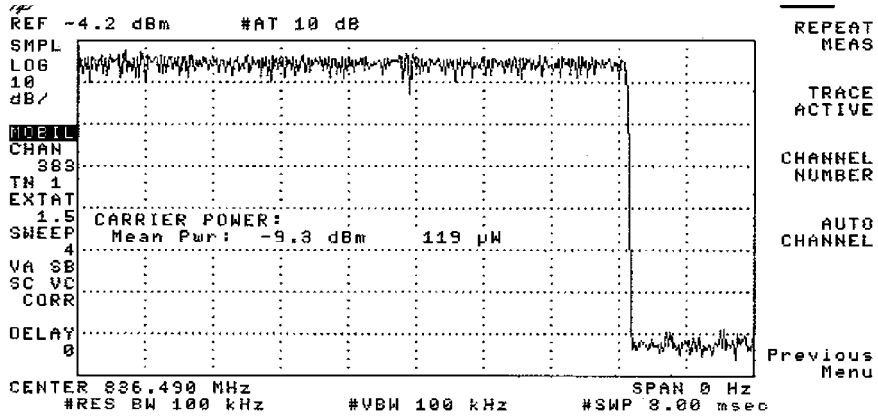
NR00
 I-Q
 PATTERN
 8 POINT
 CONSTLN
SINGLE
 CONT
 SAV MEAS
 ON OFF

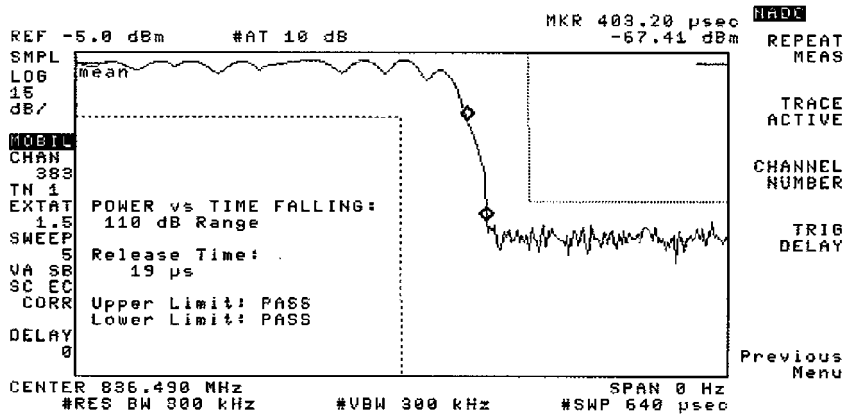
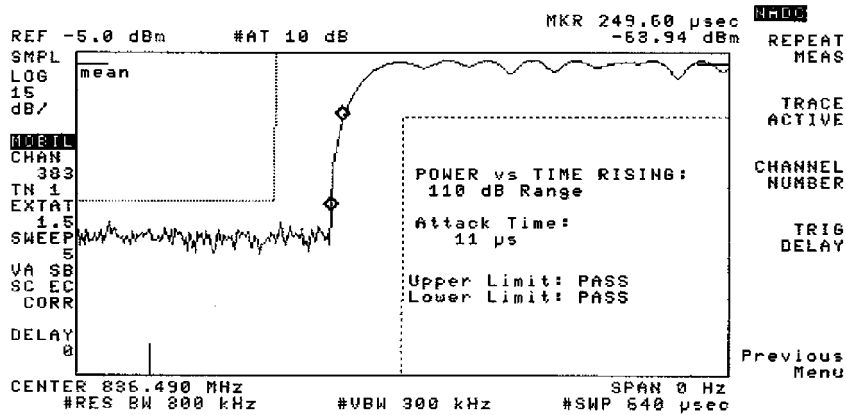
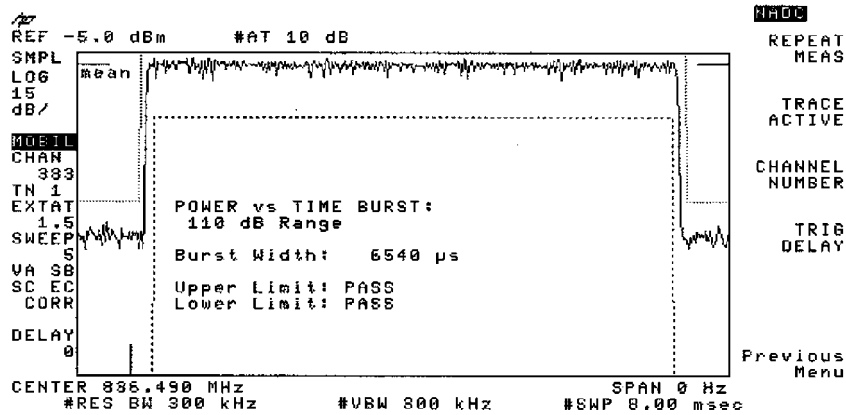
 Demod
 Main

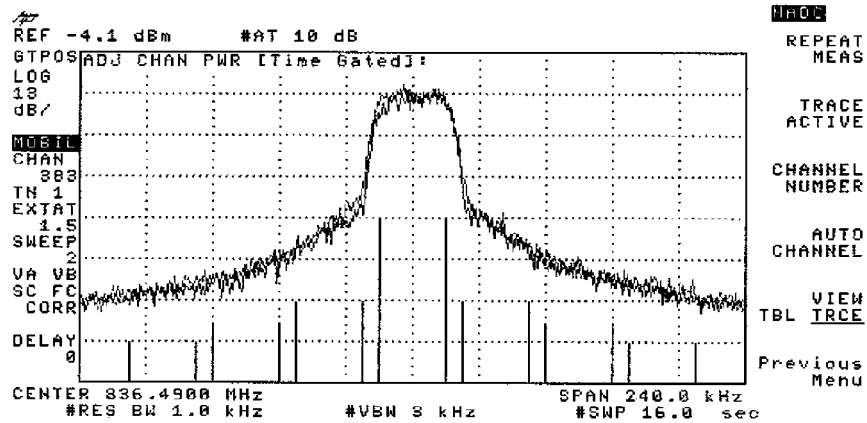


NR00
 I-Q
 PATTERN
 8 POINT
 CONSTLN
SINGLE
 CONT
 SAV MEAS
 ON OFF

 Demod
 Main







REF -4.1 dBm #AT 10 dB

GTPOSS ADJ CHAN PWR [Time Gated]:

LOG 13 dB/

MOBILE

CHAN 383

TN 1

EXTAT 1.5

SWEEP 2

SA SB

SC FC

CDRR

DELAY 0

Modulation	Lower	Upper
Adj:	-36.5 dB	-31.1 dB
1st Alt:	-54.7 dB	-53.8 dB
2nd Alt:	-60.9 dB	-60.6 dB
	-66.0 dBm	-65.7 dBm

Transient	Lower	Upper
Adj:	-31.1 dB	-30.4 dB
1st Alt:	-52.7 dB	-53.8 dB
2nd Alt:	-60.9 dB	-59.9 dB
	-66.0 dBm	-64.0 dBm

VIEW TBL TRCE

REPEAT MEAS

TRACE ACTIVE

CHANNEL NUMBER

AUTO CHANNEL

Previous Menu

CENTER 836.4900 MHz

#RES BW 1.0 kHz #VBW 3 kHz SPAN 240.0 kHz #SWP 16.0 sec

MODULATION ACCURACY: [single burst]			
Measurement complete			
RMS EVM:		2.3 %	
RMS MAG ERR:		1.2 %	
RMS PHASE ERR:		1.1 °	
PEAK EVM:		12.1 %	
ORIGIN OFFSET:		-37.2 dB	
FREQUENCY ERR:		0.8 Hz	
DROOP (dB/sym):		0.0019	
CHANNEL 393	FREQ 836.49 MHz	SYNC WORD 1	
MOBILE	TRIG FRAME		

NA00
 MODULATN
 ACCURACY

SINGLE
 CONT

FULL
 PARTIAL

1 BURST
10 BURST

Demod
 Main

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MODULATION ACCURACY: [10 symbol, 10 burst average]			
Measurement complete			
RMS EVM:		3.6 %	
RMS MAG ERR:		1.5 %	
RMS PHASE ERR:		1.9 °	
[single (full) burst measured]:			
ORIGIN OFFSET:		-34.3 dB	
FREQUENCY ERR:		5.5 Hz	
DROOP (dB/sym):		0.0015	
CHANNEL 393	FREQ 836.49 MHz	SYNC WORD 1	
MOBILE	TRIG FRAME		

NA00
 MODULATN
 ACCURACY

SINGLE
 CONT

1 BURST
10 BURST

Demod
 Main

More
 1 of 2

DIGITAL DEMODULATOR STATUS:			
MOBILE	FT Acquisition Status (1=OK):	1	
BURST	FT Time Record Status:	0	
CHANNEL 393	FT Acquisition Sync Number:	1	
CF 836.49 MHz	FT Acquisition Sync errors:	0	
TRIG FRAME	FT Sync Bit Location:	36798	
WRD SYNC ON	Measurement Status (0=OK):	0	
TIMESLOT NUM 1	Measurement Time Record Status:	0	
	Time Slot (SYNC WORD) Number:	1	
	Sync Match (1=PERFECT MATCH):	1	
	Sync Word Errors:	0	
	Pass 1&2 Bit Compare Errors:	0	
DLP REV	IQ Null Flag:	1	
951021	IQ Null Count:	1	
DSP FW REV	Low Magnitude Points:	8	
951027	RMS EVM (%):	3.6	
SA FW REV	ORIGIN OFFSET (dB):	-34.3	
980615	FREQUENCY ERROR (Hz):	5.5	
	DROOP (dB/symbol):	0.0015	

NA00
 Modulatn

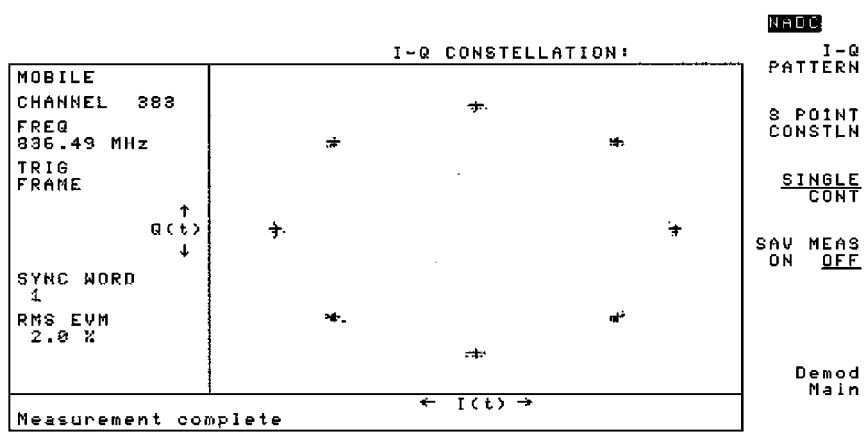
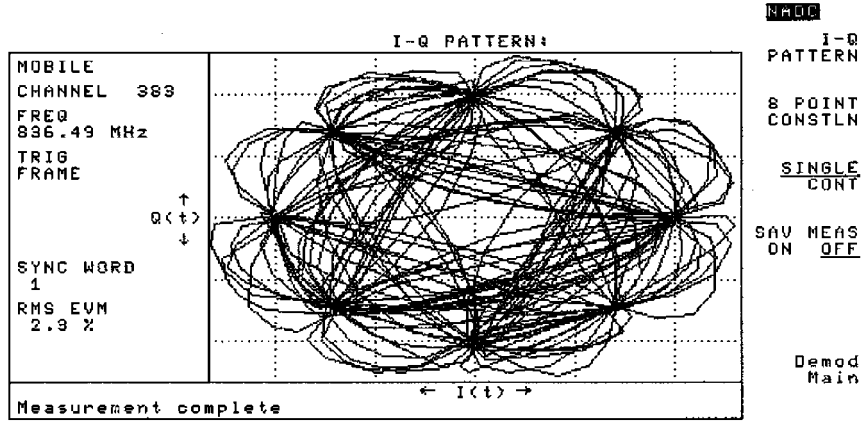
Graphs

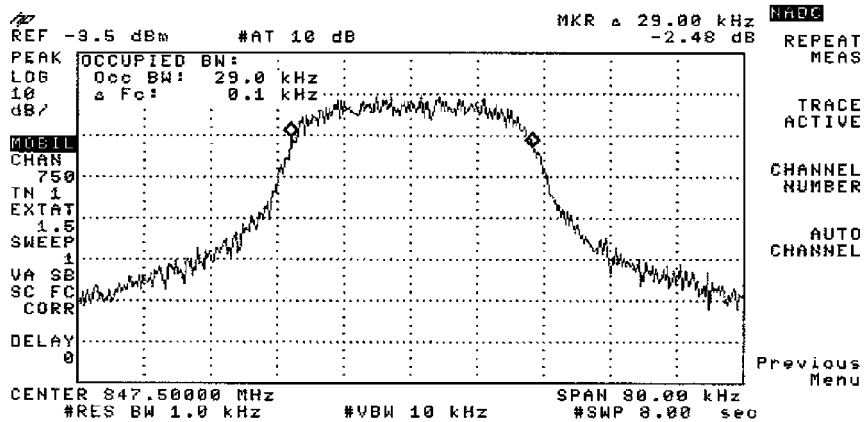
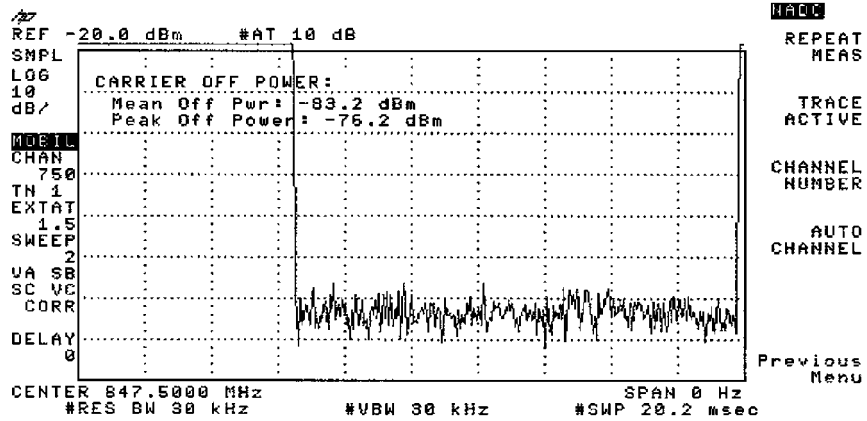
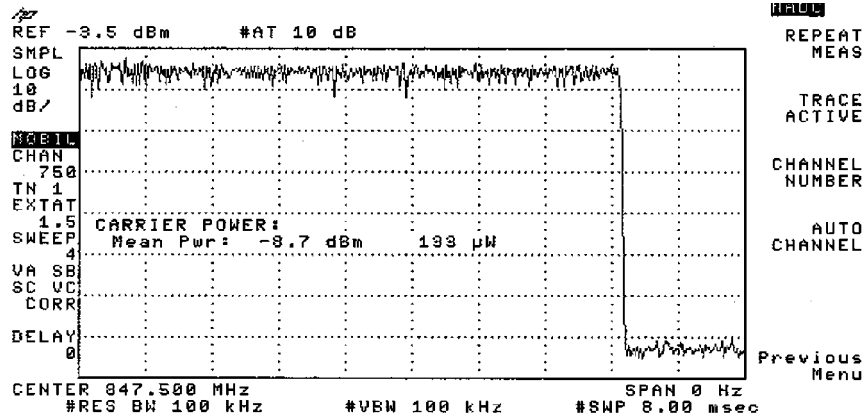
Data

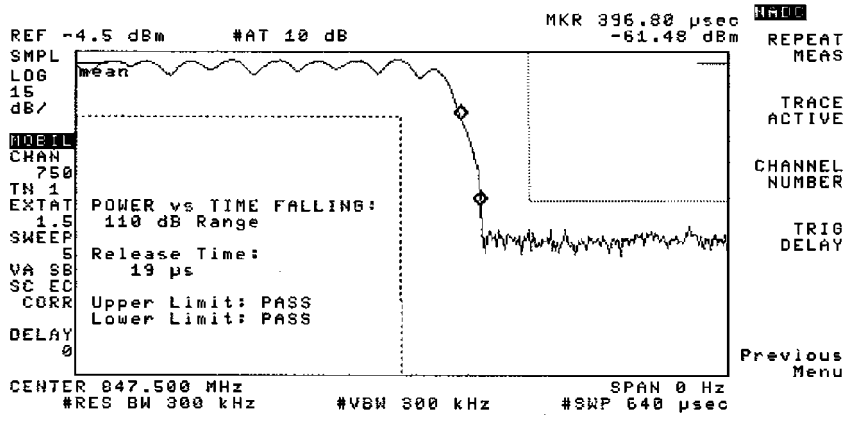
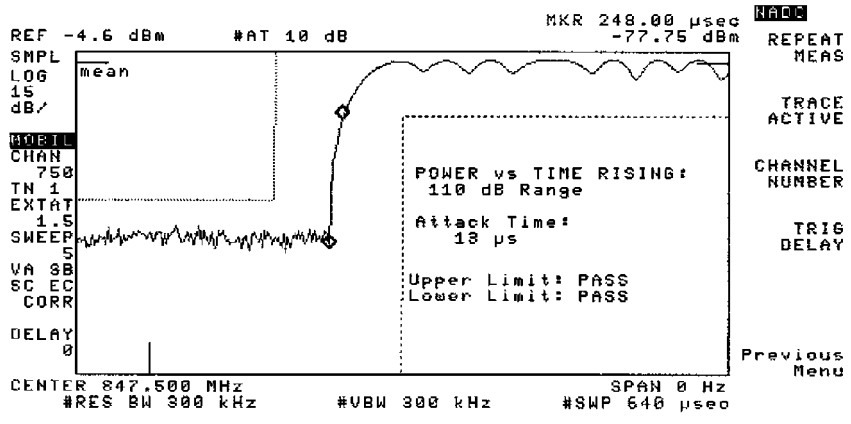
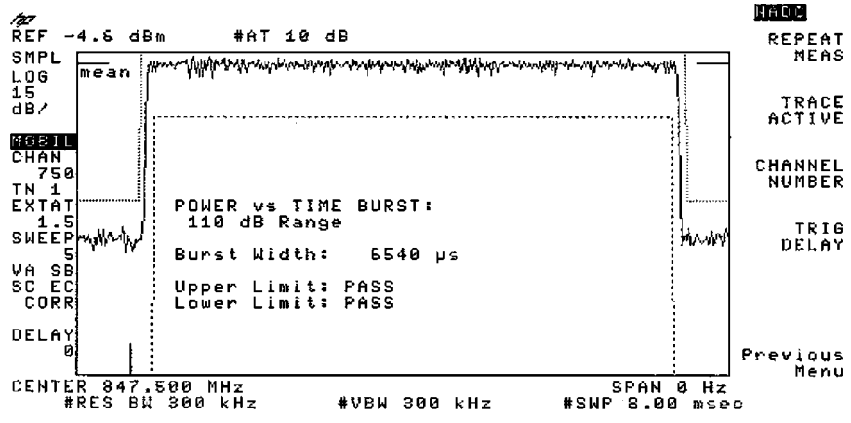
STATUS

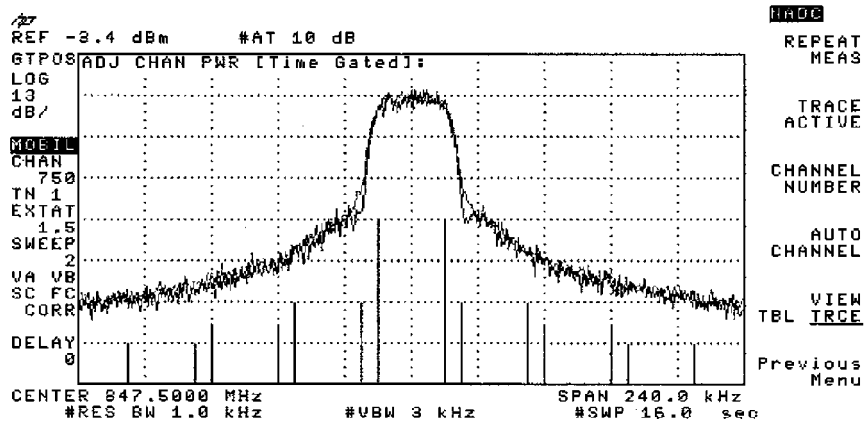
Demod
 Config

Main
 Menu









REF -3.4 dBm #AT 10 dB

GTPOS ADJ CHAN PWR [Time Gated]:

LOG 13 dB/

MOEIL

CHAN 750

TN 1

EXTAT 1.5

SWEEP 2

SA SB

SC FC

CORR

DELAY 0

Modulation	Lower	Upper
Adj:	-35.4 dB	-33.8 dB
1st Alt:	-54.7 dB	-54.8 dB
2nd Alt:	-61.7 dB	-61.0 dB
	-65.7 dBm	-65.0 dBm
Transient	Lower	Upper
Adj:	-31.7 dB	-31.0 dB
1st Alt:	-54.7 dB	-54.0 dB
2nd Alt:	-61.7 dB	-61.0 dB
	-65.7 dBm	-65.0 dBm

CENTER 847.5000 MHz SPAN 240.0 kHz

#RES BW 1.0 kHz #VBW 3 kHz #SWP 16.0 sec

REPEAT MEAS

TRACE ACTIVE

CHANNEL NUMBER

AUTO CHANNEL

VIEW TBL TRCE

Previous Menu

MODULATION ACCURACY: [single burst]			
Measurement complete			
RMS EVM:	2.1	%	
RMS MAG ERR:	1.3	%	
RMS PHASE ERR:	1.0	°	
PEAK EVM:	6.2	%	
ORIGIN OFFSET:	-37.9	dB	
FREQUENCY ERR:	6.1	Hz	
DROOP (dB/sym):	0.0014		
CHANNEL 750	FREQ 847.50 MHz	SYNC WORD 1	
MOBILE	TRIG FRAME		

NR00
 MODULATN
 ACCURACY

SINGLE
 CONT

FULL
 PARTIAL

1 BURST
10 BURST

Demod
 Main

More
 1 of 2

MODULATION ACCURACY: [10 symbol, 10 burst average]			
Measurement complete			
RMS EVM:	3.2	%	
RMS MAG ERR:	1.5	%	
RMS PHASE ERR:	1.6	°	
[single (full) burst measured]:			
ORIGIN OFFSET:	-37.2	dB	
FREQUENCY ERR:	-4.0	Hz	
DROOP (dB/sym):	0.0018		
CHANNEL 750	FREQ 847.50 MHz	SYNC WORD 1	
MOBILE	TRIG FRAME		

NR00
 MODULATN
 ACCURACY

SINGLE
 CONT

1 BURST
10 BURST

Demod
 Main

More
 1 of 2

DIGITAL DEMODULATOR STATUS:	
MOBILE	FT Acquisition Status (1=OK): 1
BURST	FT Time Record Status: 0
CHANNEL 750	FT Acquisition Sync Number: 1
CF 847.50 MHz	FT Acquisition Sync errors: 0
TRIG FRAME	FT Sync Bit Location: 36798
NR0 SYNC ON	Measurement Status (0=OK): 0
TIMESLOT NUM 1	Measurement Time Record Status: 0
	Time Slot (SYNC WORD) Number: 1
	Sync Match (1=PERFECT MATCH): 1
	Sync Word Errors: 0
	Pass 1&2 Bit Compare Errors: 0
DLP REV	IQ Null Flag: 1
961021	IQ Null Count: 1
	Low Magnitude Points: 7
DSP FW REV	RMS EVM (%): 3.2
951027	ORIGIN OFFSET (dB): -37.2
SA FW REV	FREQUENCY ERROR (Hz): -4.0
980615	DROOP (dB/symbol): 0.0018

NR00
 Modulatn

Graphs

Data

STATUS

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 Config

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