

MODULATION ACCURACY: [single burst]

Measurement complete

RMS EVM:	2.2 %
RMS MAG ERR:	1.3 %
RMS PHASE ERR:	1.0 °
PEAK EVM:	8.7 %
ORIGIN OFFSET:	-49.2 dB
FREQUENCY ERR:	-5.1 Hz
DROOP (dB/sym):	-0.0001

CHANNEL 579	FREQ 1867.85 MHz	SYNC WORD 1
MOBILE	TRIG FRAME	EVM CORR

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:	4.6 %
RMS MAG ERR:	1.2 %
RMS PHASE ERR:	2.5 °

[single (full) burst measured]:

ORIGIN OFFSET:	-44.9 dB
FREQUENCY ERR:	-12.2 Hz
DROOP (dB/sym):	0.0001

CHANNEL 579	FREQ 1867.85 MHz	SYNC WORD 1
MOBILE	TRIG FRAME	

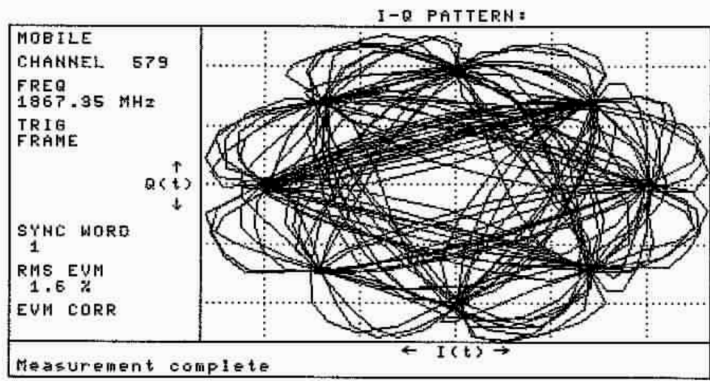
MODULATN ACCURACY

SINGLE CONT

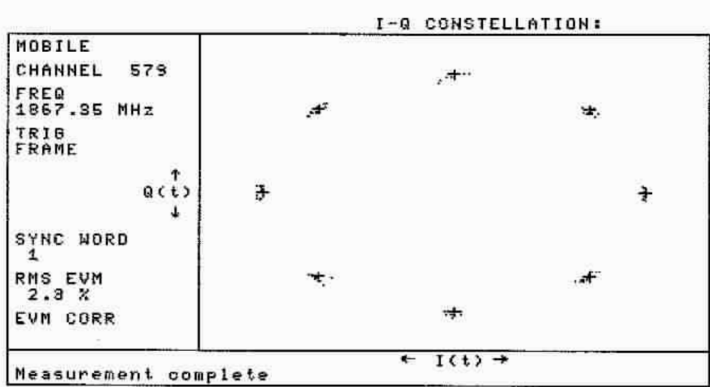
1 BURST  
 10 BURST

Demod Main

More 1 of 2



**NAOC**  
 I-Q  
 PATTERN  
 8 POINT  
 CONSTLN  
 SINGLE  
 CONT  
 SAV MEAS  
 ON OFF  
 Demod  
 Main

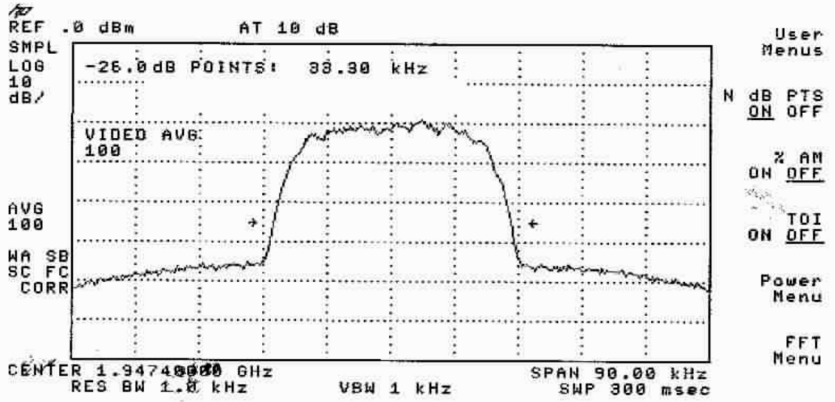
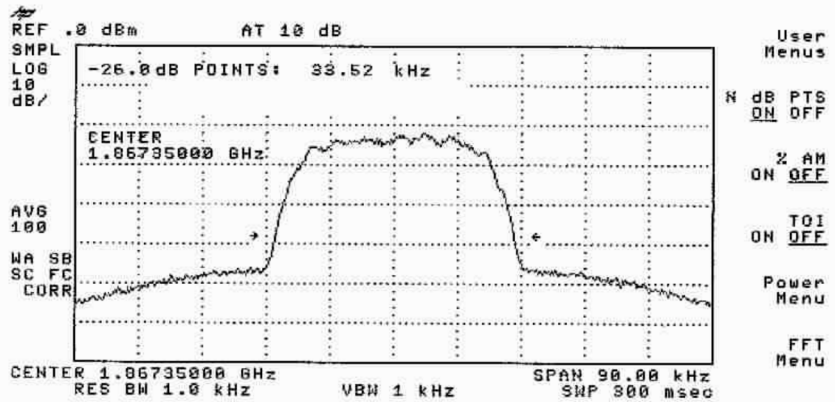


**NAOC**  
 I-Q  
 PATTERN  
 8 POINT  
 CONSTLN  
 SINGLE  
 CONT  
 SAV MEAS  
 ON OFF  
 Demod  
 Main

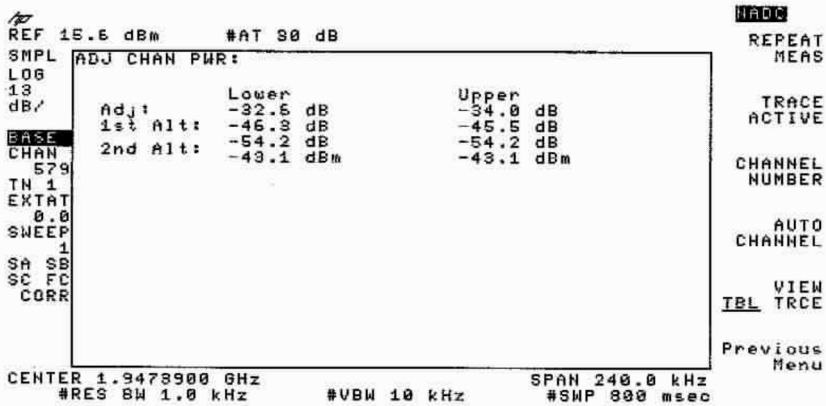
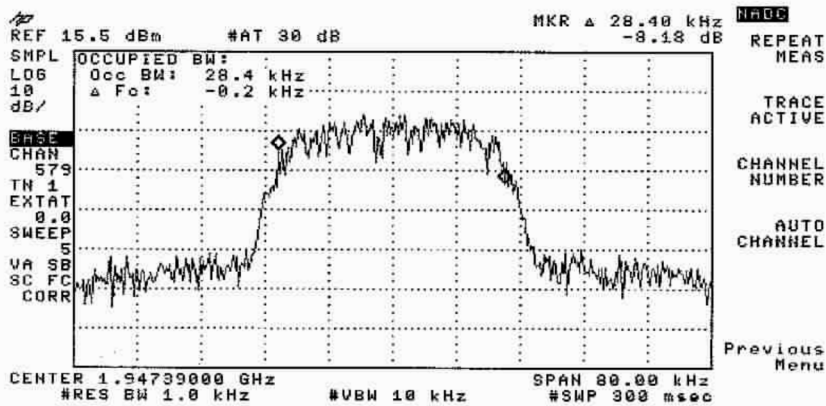
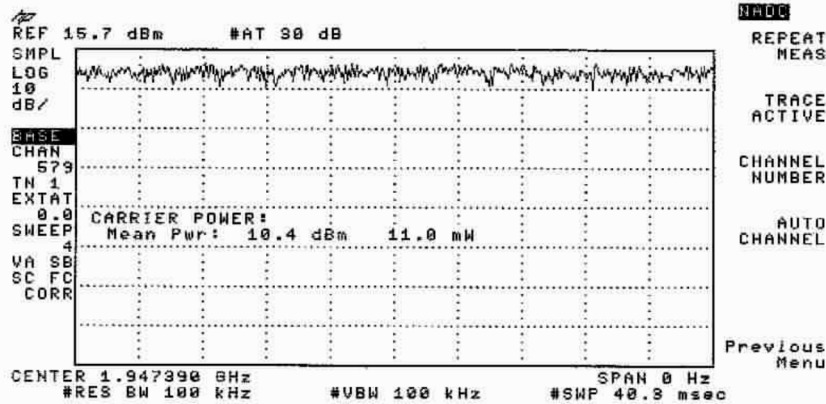
**DIGITAL DEMODULATOR STATUS:**

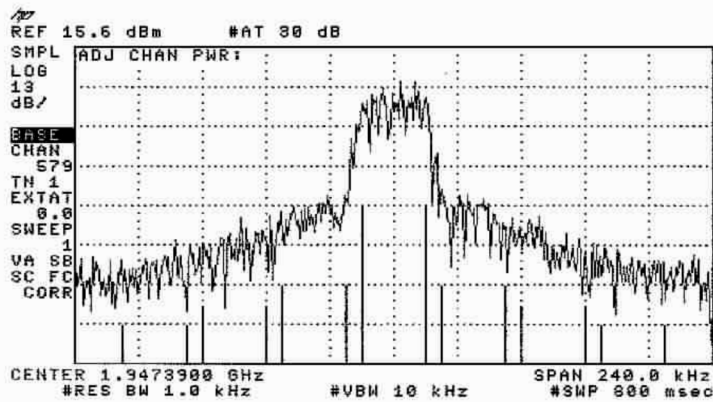
MOBILE	FT Acquisition Status (1=OK):	1
BURST	FT Time Record Status:	0
CHANNEL 579	FT Acquisition Sync Number:	1
CF 1867.35 MHz	FT Acquisition Sync errors:	0
TRIG FRAME	FT Sync Bit Location:	36798
MRD SYNC ON	Measurement Status (0=OK):	0
TIMESLOT NUM 1	Measurement Time Record Status:	0
CORRECTION:	Time Slot (SYNC WORD) Number:	1
1.0457 %	Sync Match (1=PERFECT MATCH):	1
1.6344 %	Sync Word Errors:	0
DLP REV	Pass 162 Bit Compare Errors:	0
961021	IQ Null Flag:	0
DSP FW REV	IQ Null Count:	0
951027	Low Magnitude Points:	10
SA FW REV	RMS EVM (%):	2.3
980615	PEAK EVM (%):	10.5
	ORIGIN OFFSET (dB):	-51.6
	FREQUENCY ERROR (Hz):	2.6
	DROOP (dB/symbol):	0.0001

**NAOC**  
 Modulatr  
 Graphs  
 Data  
 STATUS  
 Demod  
 Config  
 Main  
 Menu









**NADC**

REPEAT  
MEAS

TRACE  
ACTIVE

CHANNEL  
NUMBER

AUTO  
CHANNEL

VIEW  
TBL TRCE

Previous  
Menu

**MODULATION ACCURACY:** [single timeslot]

Measurement complete

RMS EVM:	1.2 %
RMS MAG ERR:	1.1 %
RMS PHASE ERR:	0.3 °
PEAK EVM:	6.7 %
ORIGIN OFFSET:	-56.5 dB
FREQUENCY ERR:	-2.3 Hz
DROOP (dB/sym):	0.0003

CHANNEL	S79	FREQ	1947.89 MHz	SYNC WORD	1
BASE		TRIG	FRAME	EVM CORR	

**NADC**

MODULATN  
ACCURACY

SINGLE  
CONT

FULL  
PARTIAL

Demod  
Main

More  
1 of 2

**STATISTICS for sample of 10 timeslots:**

	Mean	Std dev	Max	Min
RMS EVM (%):	1.8	0.60	3.4	1.2
RMS MAG ERR (%):	1.1	0.09	1.2	0.9
RMS PHASE ERR (°):	0.8	0.41	1.8	0.4

RMS EVM Uncertainty (for H=10)

Temp. Range 20-30 °C:	2.4 % > RMS EVM >	0.9 %
Temp. Range 0-55 °C:	2.4 % > RMS EVM >	0.9 %

	Mean
ORIGIN OFFSET (dB):	-53.4
FREQUENCY ERROR (Hz):	-8.3
DROOP (dB/symbol):	-0.0000

CHANNEL	S79	FREQ	1947.89 MHz	SYNC WORD	1
BASE		TRIG	FRAME	EVM CORR	

**NADC**

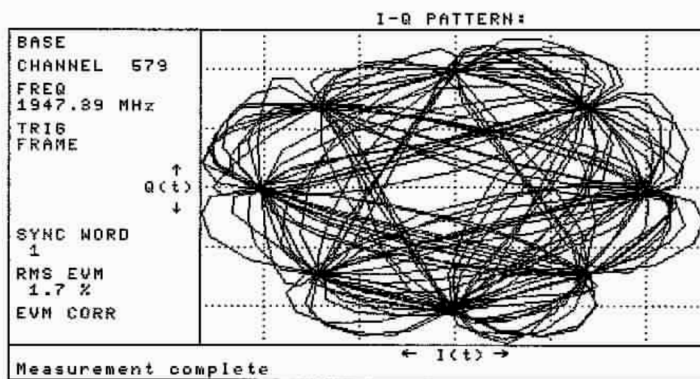
MODULATN  
ACCURACY

SINGLE  
CONT

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Demod  
Main

More  
1 of 2



**NAOC**

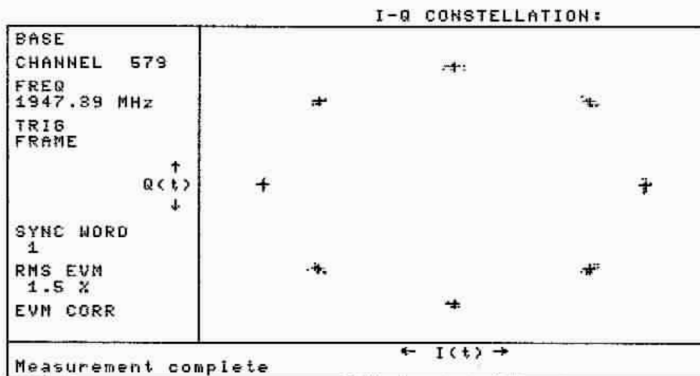
I-Q  
PATTERN

8 POINT  
CONSTLN

SINGLE  
CONT

SAV MEAS  
ON OFF

Demod  
Main



**NAOC**

I-Q  
PATTERN

8 POINT  
CONSTLN

SINGLE  
CONT

SAV MEAS  
ON OFF

Demod  
Main

**DIGITAL DEMODULATOR STATUS:**

BASE	FT Acquisition Status (1=OK):	1
CONT	FT Time Record Status:	0
CHANNEL 579	FT Acquisition Sync Number:	1
CF 1947.89 MHz	FT Acquisition Sync errors:	0
TRIS FRAME	FT Sync Bit Location:	36826
MRD SYNC ON	Measurement Status (0=OK):	0
TIMESLOT NUM 1	Measurement Time Record Status:	0
CORRECTION:	Time Slot (SYNC WORD) Number:	1
1.0457 °	Sync Match (1=PERFECT MATCH):	1
1.5218 %	Sync Word Errors:	0
DLP REV	Pass 1&2 Bit Compare Errors:	0
961021	IQ Null Flag:	0
DSP FW REV	IQ Null Count:	0
951027	Low Magnitude Points:	2
SA FW REV	RMS EVM (%):	1.5
980615	PEAK EVM (%):	7.6
	ORIGIN OFFSET (dB):	-55.0
	FREQUENCY ERROR (Hz):	1.7
	DRDOP (dB/symbol):	0.0001

**NAOC**

Modulatn

Graphs

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