

MEASUREMENT: 3B

MEASUREMENT

OF

OCCUPIED BANDWIDTH

SINGLE CARRIER WITHOUT COMBINER

BLOCK A

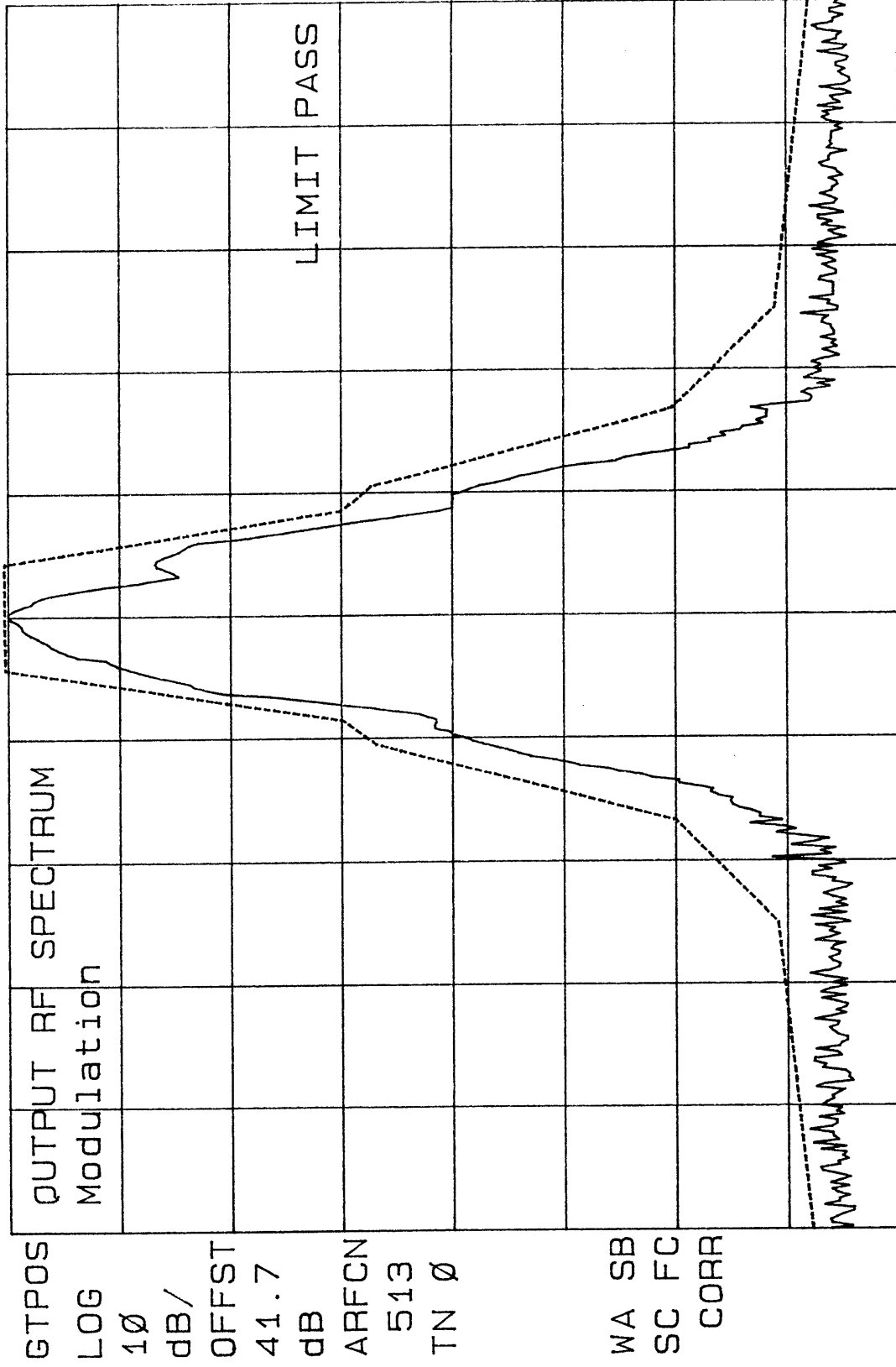
(1930 – 1945 MHz)

Left Edge:	1930.4 MHz (Channel 513)
Center:	1937.6 MHz (Channel 549)
Right Edge:	1944.6 MHz (Channel 584)

15: 38: 47 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.1 dBm #AT 20 dB



CENTER 1.930400 GHZ

SPAN 2.400 MHZ
#SWP 2.00 sec

#VBW 30 KHZ

#RES BW 30 KHZ

15: 59: 44 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.3 dBm #AT 20 dB

REPEAT

MEAS

NUMBER
BURSTS

Physical
Channel

Previous
Menu

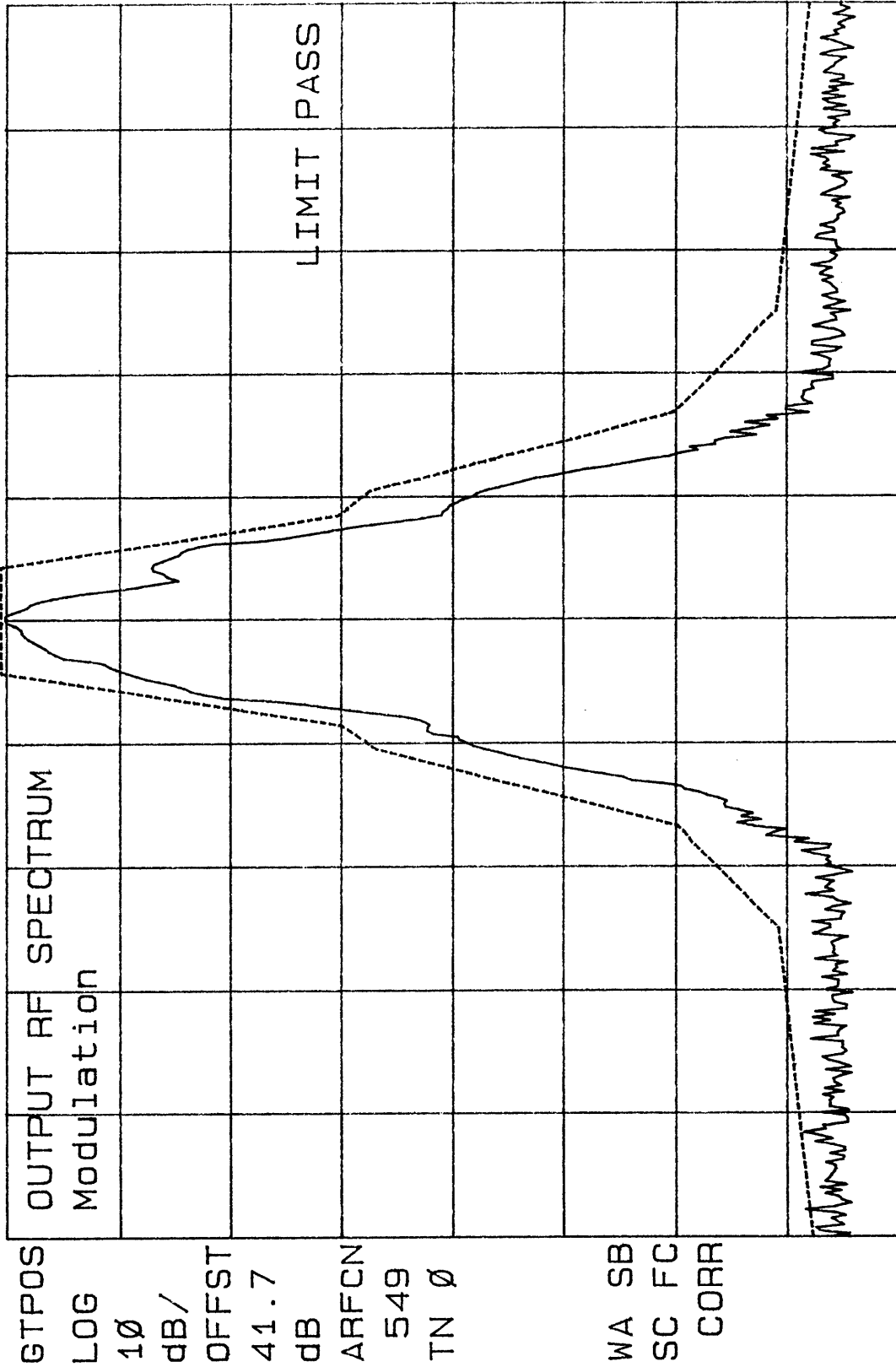
OUTPUT RF SPECTRUM				
Modulation				
	- Offset		+ Offset	
	Offset	Freq	dB	dBm
GTSMPL	0	KHz	0.0	39.2
LOG	100	KHz	-10.1	29.1
10	200	KHz	-39.0	0.3
dB/	250	KHz	-42.4	-3.2
OFFST	400	KHz	-69.3	-30.0
41.7	600	KHz	-79.0	-39.7
dB	800	KHz	-78.0	-38.8
ARFCN	1000	KHz	-80.2	-40.9
513	1200	KHz	-79.4	-40.1
TN 0	1400	KHz	-78.8	-39.5
BURST	1600	KHz	-80.0	-40.8
1	1800	KHz	-74.8	-35.6
SA SB				
SC EC				
CORR				

CENTER 1.9304000 GHz SPAN 0 Hz
#RES BW 30 KHz #VBW 30 KHz #SWP 320 μsec

16: 13: 27 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.1 dBm #AT 20 dB



CENTER 1.937600 GHZ

SPAN 2.400 MHZ
#SWP 2.00 sec

#VBW 30 KHZ

#RES BW 30 KHZ

16: 19: 47 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01
REF 42.4 dBm #AT 20 dB

GTSMP

LOG Modulation

10

dB/

OFFST

41.7

dB

ARFCN

549

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0 KHZ	0.0	0.0	39.3	0.0	39.3
100 KHZ	-10.2	-10.2	29.1	-14.5	24.8
200 KHZ	-38.5	-38.5	0.8	-39.6	-0.3
250 KHZ	-42.6	-42.6	-3.3	-44.3	-5.0
400 KHZ	-71.4	-71.4	-32.0	-75.6	-36.2
600 KHZ	-78.5	-78.5	-39.1	-78.0	-38.7
800 KHZ	-79.0	-79.0	-39.7	-79.7	-40.3
1000 KHZ	-80.0	-80.0	-40.7	-77.9	-38.5
1200 KHZ	-80.3	-80.3	-40.9	-80.9	-41.5
1400 KHZ	-78.4	-78.4	-39.0	-80.5	-41.1
1600 KHZ	-79.7	-79.7	-40.3	-78.5	-39.2
1800 KHZ	-72.6	-72.6	-33.3	-72.5	-33.2

CENTER 1.9376000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

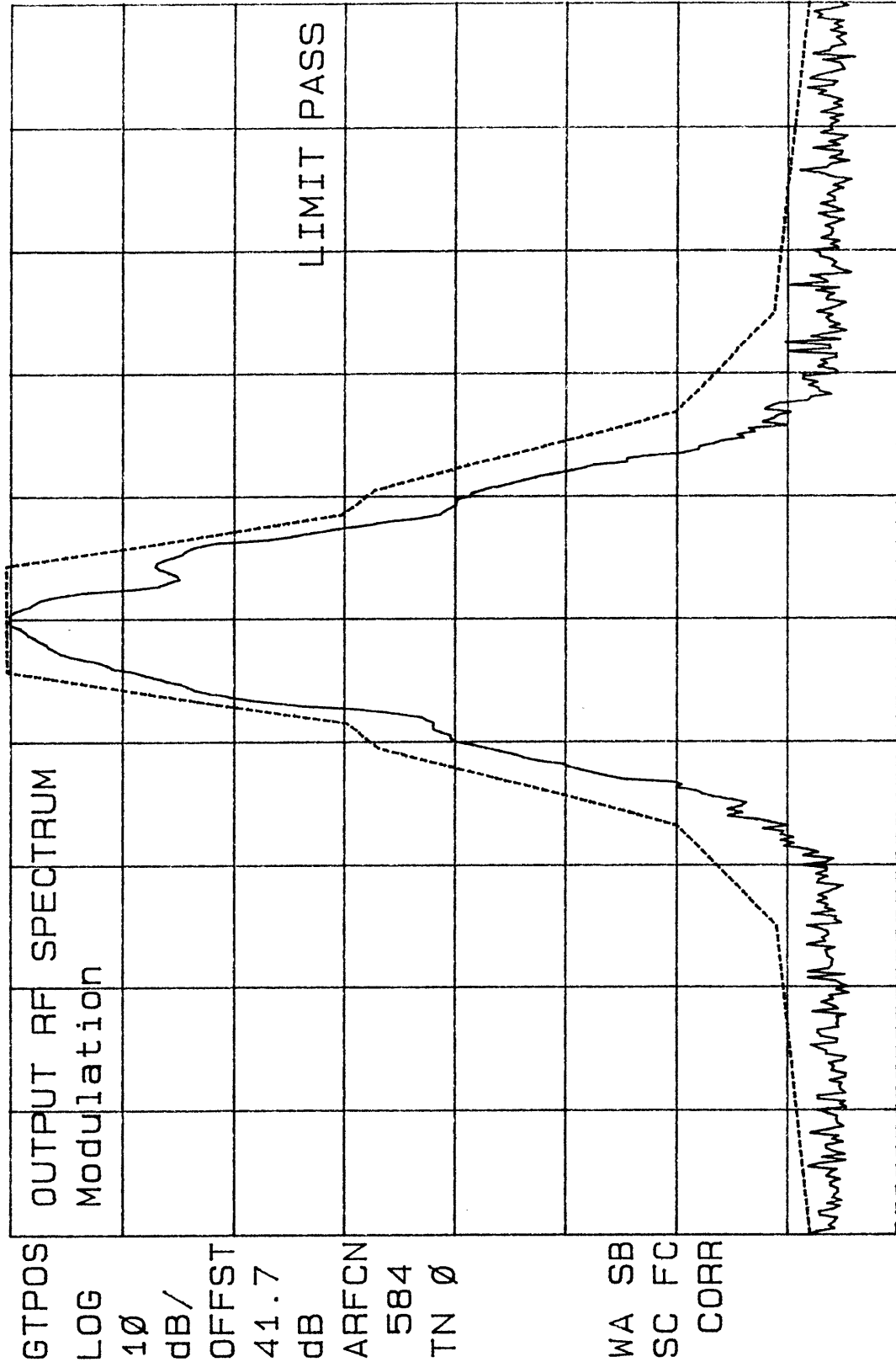
#SWP 320 μsec

SPAN 0 HZ

16: 27: 18 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.0 dBm #AT 20 dB



CENTER 1.944600 GHZ

SPAN 2.400 MHz

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 2.00 sec

16: 33: 34 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01
REF 42.4 dBm #AT 20 dB

GTSMP

LOG Modulation

10

dB/

OFFST

41.7

dB

ARFCN

584

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHZ	0.0	39.2	0.0	39.2
100	KHZ	-10.1	29.1	-14.3	24.9
200	KHZ	-38.7	0.5	-39.5	-0.3
250	KHZ	-42.0	-2.8	-44.1	-4.9
400	KHZ	-69.9	-30.7	-73.1	-33.9
600	KHZ	-77.0	-37.8	-75.2	-36.0
800	KHZ	-79.2	-40.0	-80.3	-41.1
1000	KHZ	-78.7	-39.5	-80.7	-41.5
1200	KHZ	-79.4	-40.2	-80.1	-40.9
1400	KHZ	-77.8	-38.6	-78.9	-39.7
1600	KHZ	-79.8	-40.6	-77.1	-37.9
1800	KHZ	-73.8	-34.6	-73.0	-33.8

CENTER 1.9446000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 320 μsec

SPAN 0 HZ

MEASUREMENT: 3B

MEASUREMENT

OF

OCCUPIED BANDWIDTH

SINGLE CARRIER WITHOUT COMBINER

BLOCK B

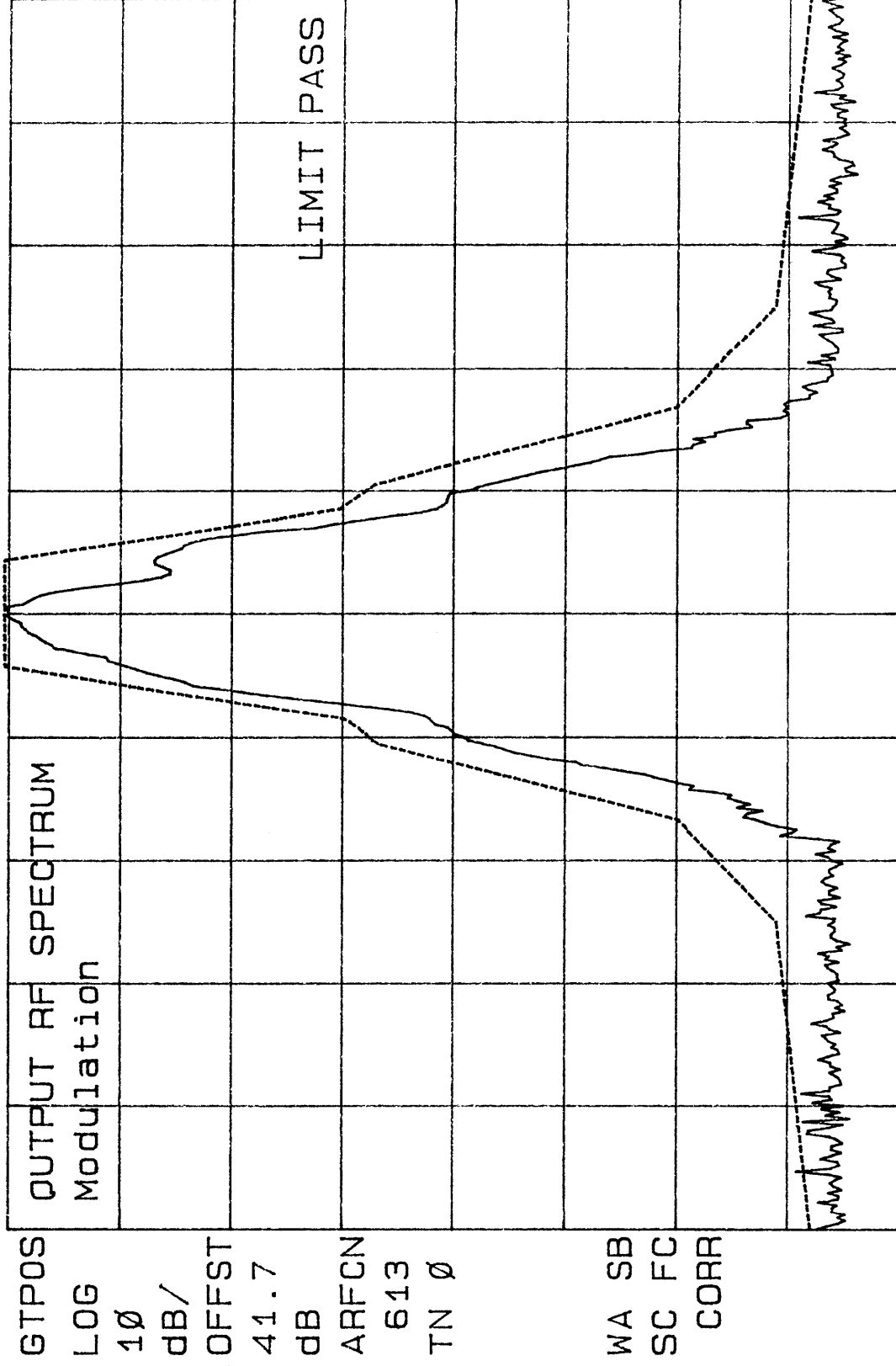
(1950 – 1965 MHz)

Left Edge:	1950.4 MHz (Channel 613)
Center:	1957.6 MHz (Channel 649)
Right Edge:	1964.6 MHz (Channel 684)

18: 49: 44 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-- 01

REF 41.9 dBm #AT 20 dB



CENTER 1.950400 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

SPAN 2.400 MHZ

#SWP 2.00 sec

18:56:06 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.5 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

613

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHz	0.0	39.2	0.0	39.2
100	KHz	-10.2	29.0	-14.4	24.9
200	KHz	-38.5	0.8	-39.7	-0.5
250	KHz	-42.4	-3.1	-44.1	-4.9
400	KHz	-68.5	-29.2	-72.6	-33.4
600	KHz	-76.6	-37.4	-76.5	-37.3
800	KHz	-76.3	-37.1	-78.1	-38.9
1000	KHz	-79.9	-40.7	-80.0	-40.7
1200	KHz	-80.7	-41.5	-80.1	-40.9
1400	KHz	-81.8	-42.6	-79.3	-40.0
1600	KHz	-77.6	-38.4	-75.7	-36.5
1800	KHz	-71.5	-32.2	-73.9	-34.7

CENTER 1.9504000 GHz

#RES BW 30 KHz

#VBW 30 KHz

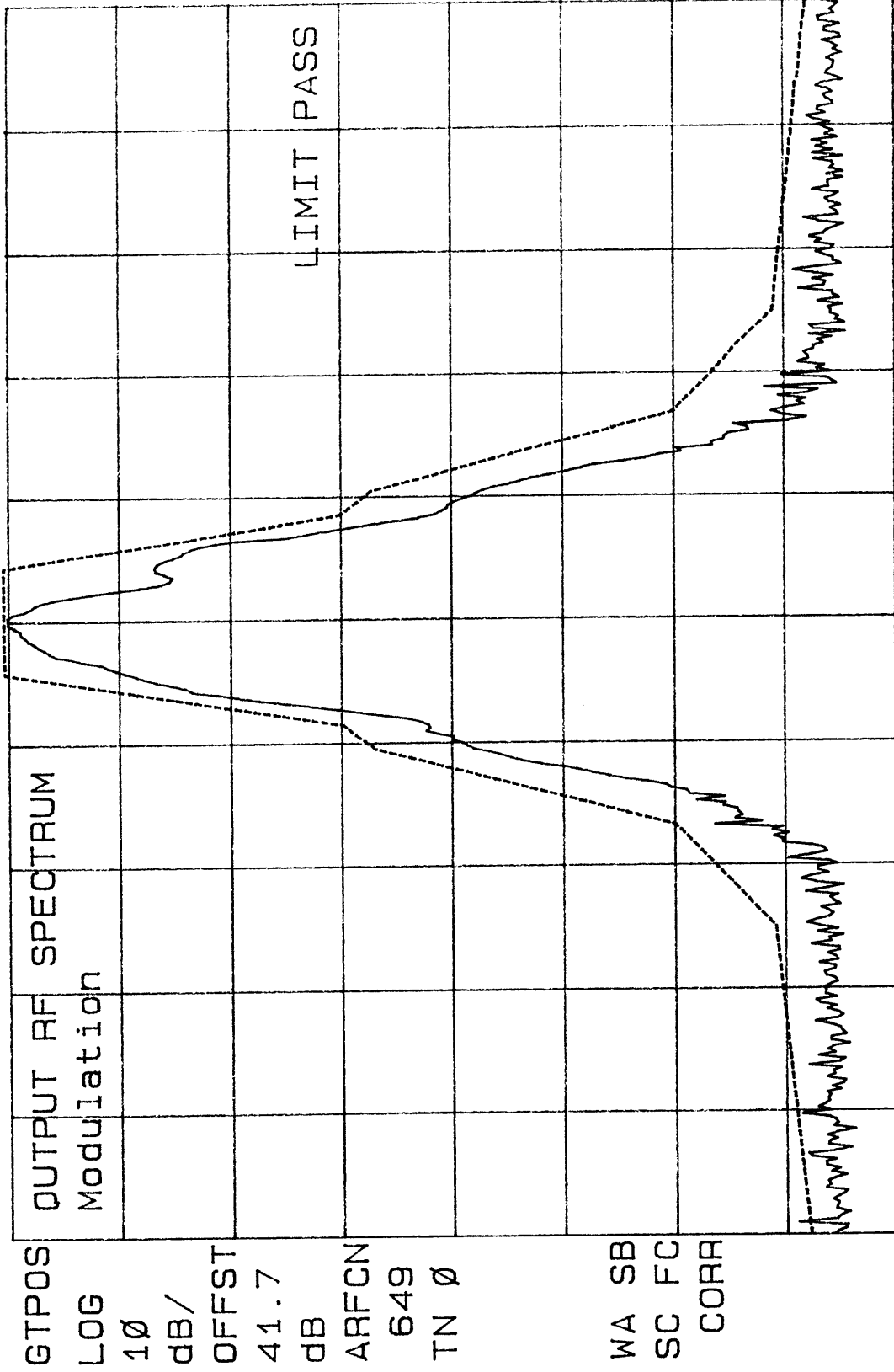
#SWP 320 μsec

SPAN 0 Hz

19:03:09 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.1 dBm #AT 20 dB



CENTER 1.957600 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

SPAN 2.400 MHZ

#SWP 2.00 sec

~~77~~ Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01
REF 42.7 dBm #AT 20 dB

OUTPUT RF SPECTRUM

10 - Offset + Offset

- Offset

Offset Fred

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BB

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(ii)

SPAN Ø HZ

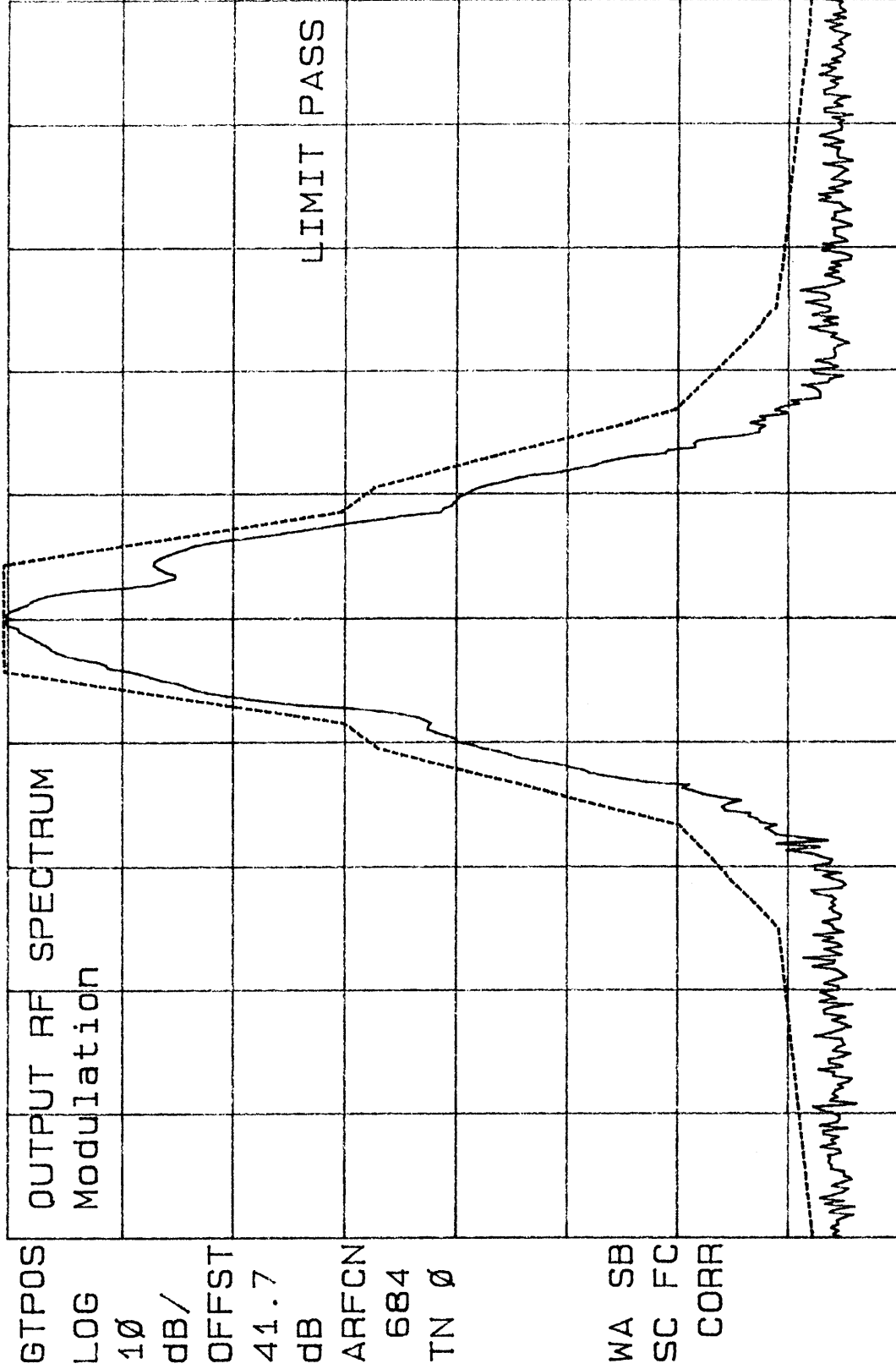
#VBW 3Ø MHz

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#SWP 320 msec
```

19:18:59 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.1 dBm #AT 20 dB



CENTER 1.964600 GHz

#RES BW 30 KHZ

#VBW 30 KHZ

SPAN 2.400 MHz

#SWP 2.00 sec

19: 25: 26 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.5 dBm #AT 20 dB

GTSMP

OUTPUT RF SPECTRUM

LOG Modulation

10

dB/

OFFST

41.7

dB

ARFCN

684

TN 0

BURST

1

SA SB

SC EC

CORR

		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHZ	0.0	39.4	0.0	39.4
100	KHZ	-10.1	29.3	-14.3	25.0
200	KHZ	-39.1	0.3	-39.8	-0.4
250	KHZ	-42.6	-3.3	-44.6	-5.2
400	KHZ	-70.0	-30.6	-74.0	-34.6
600	KHZ	-80.2	-40.8	-80.8	-41.4
800	KHZ	-79.7	-40.3	-80.0	-40.6
1000	KHZ	-79.5	-40.1	-80.7	-41.3
1200	KHZ	-81.1	-41.8	-79.6	-40.3
1400	KHZ	-79.9	-40.5	-79.2	-39.8
1600	KHZ	-81.1	-41.8	-79.5	-40.2
1800	KHZ	-73.8	-34.5	-73.9	-34.5

CENTER 1.9646000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 320 µsec

SPAN 0 Hz

MEASUREMENT: 3B

MEASUREMENT

OF

OCCUPIED BANDWIDTH

SINGLE CARRIER WITHOUT COMBINER

BLOCK C

(1975 – 1990 MHz)

Left Edge:	1975.4 MHz (Channel 738)
Center:	1984.6 MHz (Channel 784)
Right Edge:	1989.6 MHz (Channel 809)

21:06:02 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.6 dBm #AT 20 dB

GTSMP

LOG

10

dB/

OFFST

41.7

dB

ARFCN

738

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHz	0.0	39.5	0.0	39.5
100	KHz	-10.2	29.3	-14.4	25.1
200	KHz	-39.0	0.5	-39.8	-0.3
250	KHz	-41.9	-2.5	-44.0	-4.6
400	KHz	-70.0	-30.5	-72.0	-32.5
600	KHz	-79.0	-39.5	-80.7	-41.2
800	KHz	-79.7	-40.2	-79.8	-40.4
1000	KHz	-79.1	-39.6	-80.3	-40.9
1200	KHz	-81.8	-42.4	-77.8	-38.3
1400	KHz	-79.8	-40.3	-81.6	-42.2
1600	KHz	-79.9	-40.4	-78.0	-38.6
1800	KHz	-73.5	-34.0	-73.2	-33.8

CENTER 1.9754000 GHz

#RES BW 30 KHz

#VBW 30 KHz

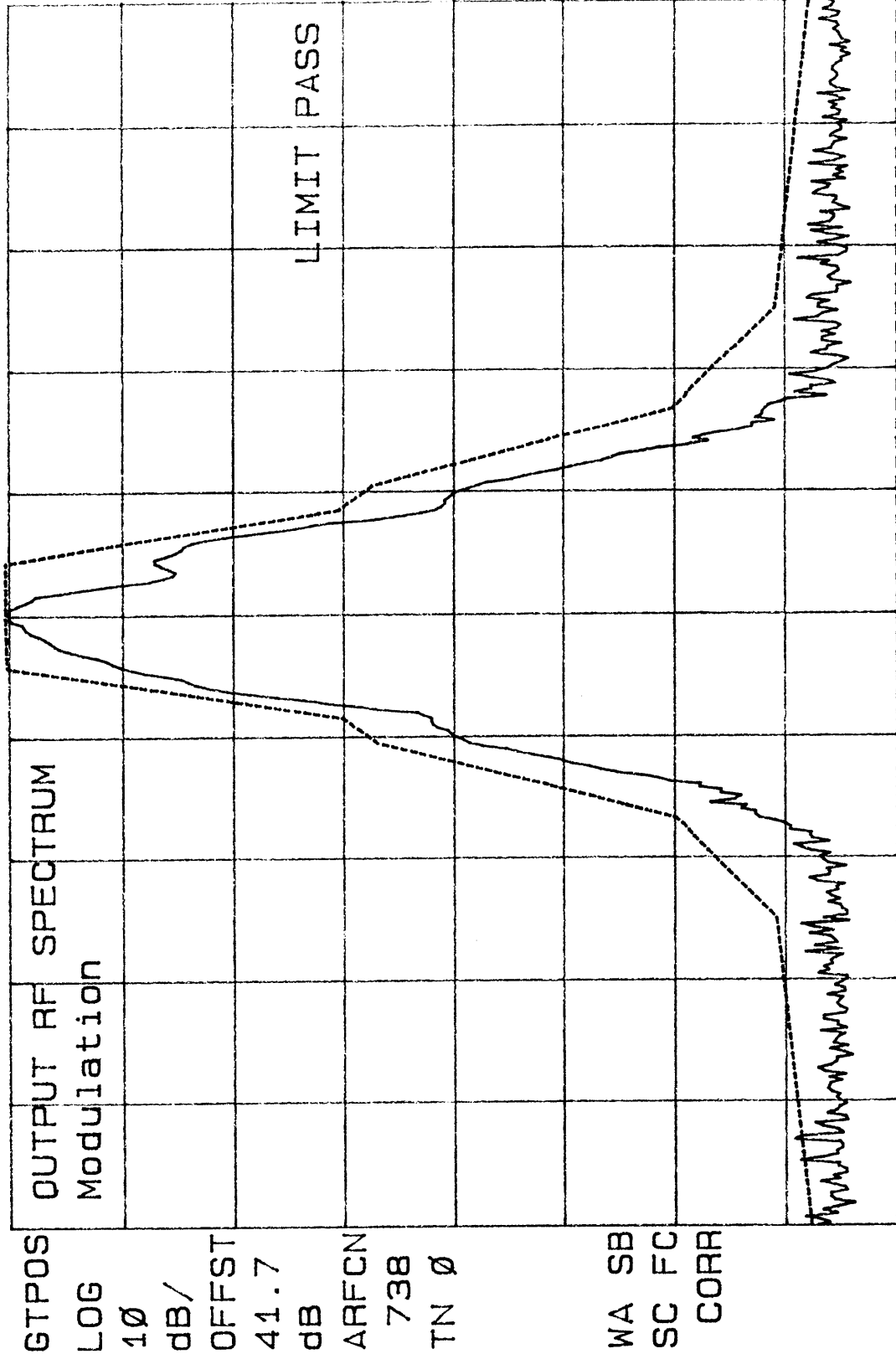
#SWP 320 μsec

SPAN 0 Hz

20:59:12 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.2 dBm #AT 20 dB



CENTER 1.975400 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

SPAN 2.400 MHZ

#SWP 2.00 SEC

21: 19: 02 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.7 dBm #AT 20 dB

GTSMP

LOG

10

dB/

OFFST

41.7

dB

ARFCN

784

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

-- Offset		+ Offset	
Offset Freq	dB	dB	dBm
0 KHZ	0.0	0.0	39.6
100 KHZ	-10.2	-14.3	25.3
200 KHZ	-39.0	-40.2	-0.6
250 KHZ	-42.4	-44.4	-4.8
400 KHZ	-70.5	-74.9	-35.3
600 KHZ	-78.8	-80.0	-40.5
800 KHZ	-79.4	-76.8	-37.2
1000 KHZ	-80.8	-79.5	-39.9
1200 KHZ	-79.4	-80.7	-41.1
1400 KHZ	-78.8	-78.1	-38.5
1600 KHZ	-79.8	-80.7	-41.1
1800 KHZ	-71.9	-73.7	-34.1

CENTER 1.9846000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

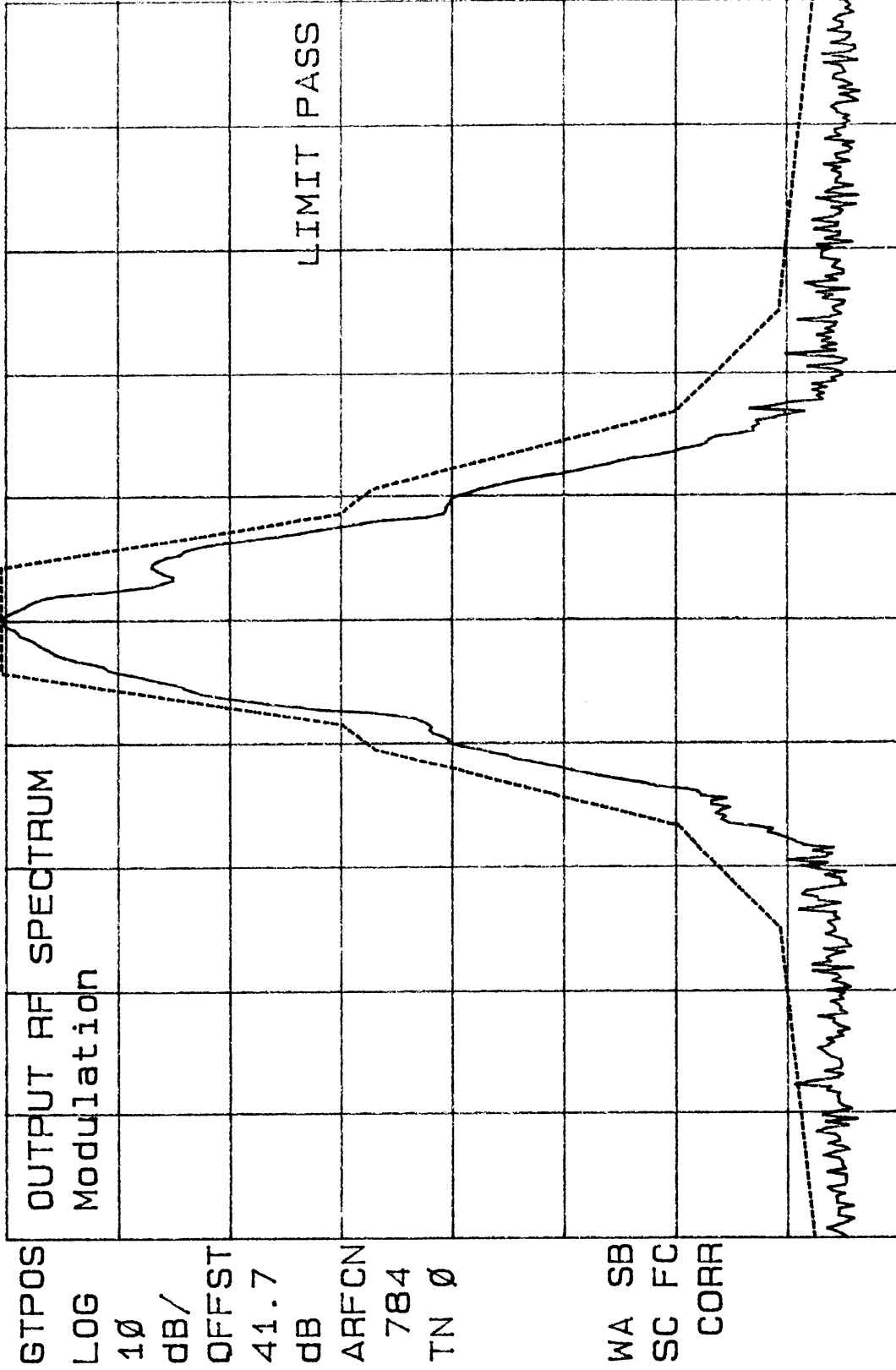
#SWP 320 uSec

SPAN 0 HZ

21: 13: 24 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K--01

REF 42.3 dBm #AT 20 dB



CENTER 1.984600 GHZ

#RES BW 30 KHZ

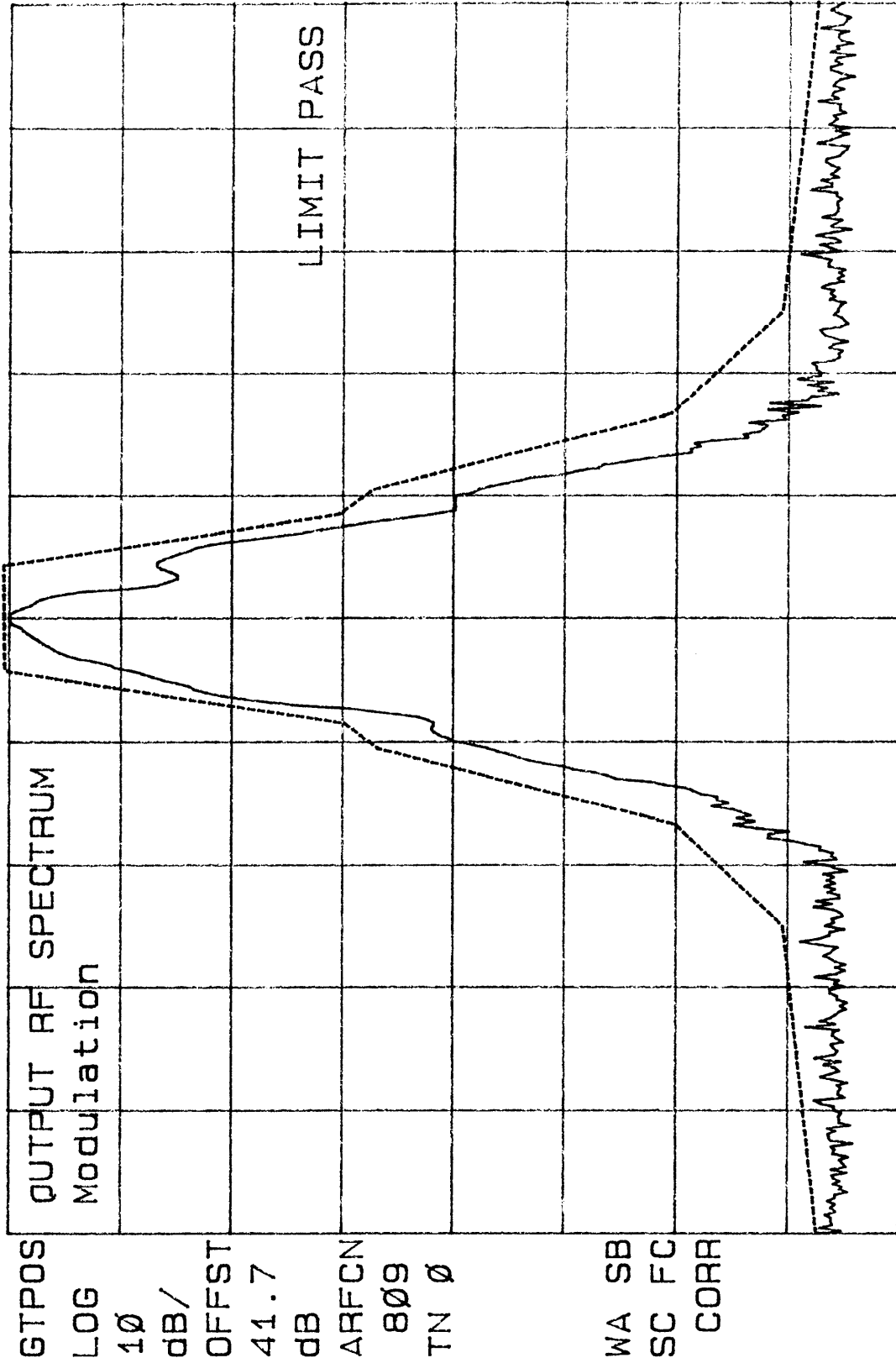
#VBW 30 KHZ

SPAN 2.400 MHZ
#SWP 2.00 sec

21:30:38 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-- 01

REF 42.6 dBm #AT 20 dB



CENTER 1.989600 GHz

SPAN 2.400 MHz

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 2.00 sec

21: 36: 53 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.6 dBm #AT 20 dB

GTSMF

OUTPUT RF SPECTRUM

LOG

10

dB/

OFFST

41.7

dB

ARFCN

809

TN 0

BURST

1

SA SB

SC EC

CORR

Modulation		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHZ	0.0	39.6	0.0	39.6
100	KHZ	-10.1	29.5	-14.3	25.2
200	KHZ	-38.4	1.2	-39.3	0.3
250	KHZ	-42.3	-2.7	-44.2	-4.6
400	KHZ	-70.2	-30.6	-74.8	-35.3
600	KHZ	-77.4	-37.9	-75.8	-36.2
800	KHZ	-80.2	-40.6	-77.8	-38.2
1000	KHZ	-80.1	-40.5	-78.3	-38.7
1200	KHZ	-77.1	-37.5	-80.7	-41.2
1400	KHZ	-80.3	-40.7	-77.7	-38.1
1600	KHZ	-81.1	-41.5	-80.4	-40.8
1800	KHZ	-72.5	-33.0	-72.6	-33.1

CENTER 1.9896000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

SPAN 0 HZ
#SWP 320 usec

MEASUREMENT: 3B

MEASUREMENT

OF

OCCUPIED BANDWIDTH

SINGLE CARRIER WITHOUT COMBINER

BLOCK D

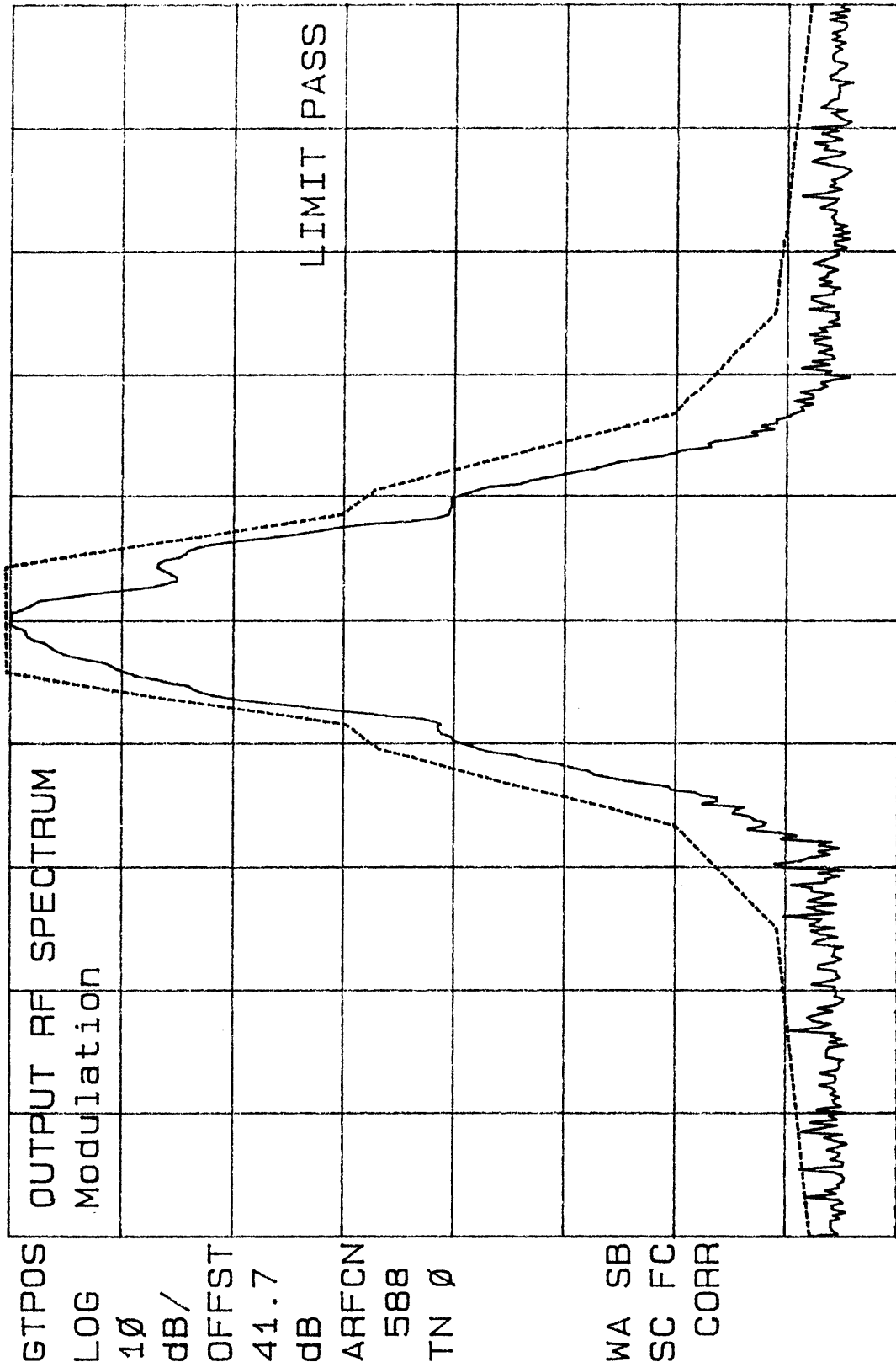
(1945 – 1950 MHz)

Left Edge:	1945.4 MHz (Channel 588)
Center:	1947.6 MHz (Channel 599)
Right Edge:	1949.6 MHz (Channel 609)

16: 43: 08 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.2 dBm #AT 20 dB



CENTER 1.945400 GHZ

SPAN 2.400 MHz

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 2.00 sec

16:50:01 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.4 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

588

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHZ	0.0	39.2	0.0	39.2
100	KHZ	-10.2	29.0	-14.3	24.9
200	KHZ	-38.9	0.3	-40.0	-0.9
250	KHZ	-42.4	-3.3	-44.2	-5.1
400	KHZ	-72.8	-33.6	-72.2	-33.0
600	KHZ	-79.1	-39.9	-80.9	-41.8
800	KHZ	-79.8	-40.6	-77.4	-38.2
1000	KHZ	-80.0	-40.8	-79.7	-40.6
1200	KHZ	-78.4	-39.2	-79.4	-40.2
1400	KHZ	-78.2	-39.0	-77.3	-38.1
1600	KHZ	-80.2	-41.1	-76.3	-37.1
1800	KHZ	-74.8	-35.6	-73.5	-34.3

CENTER 1.9454000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

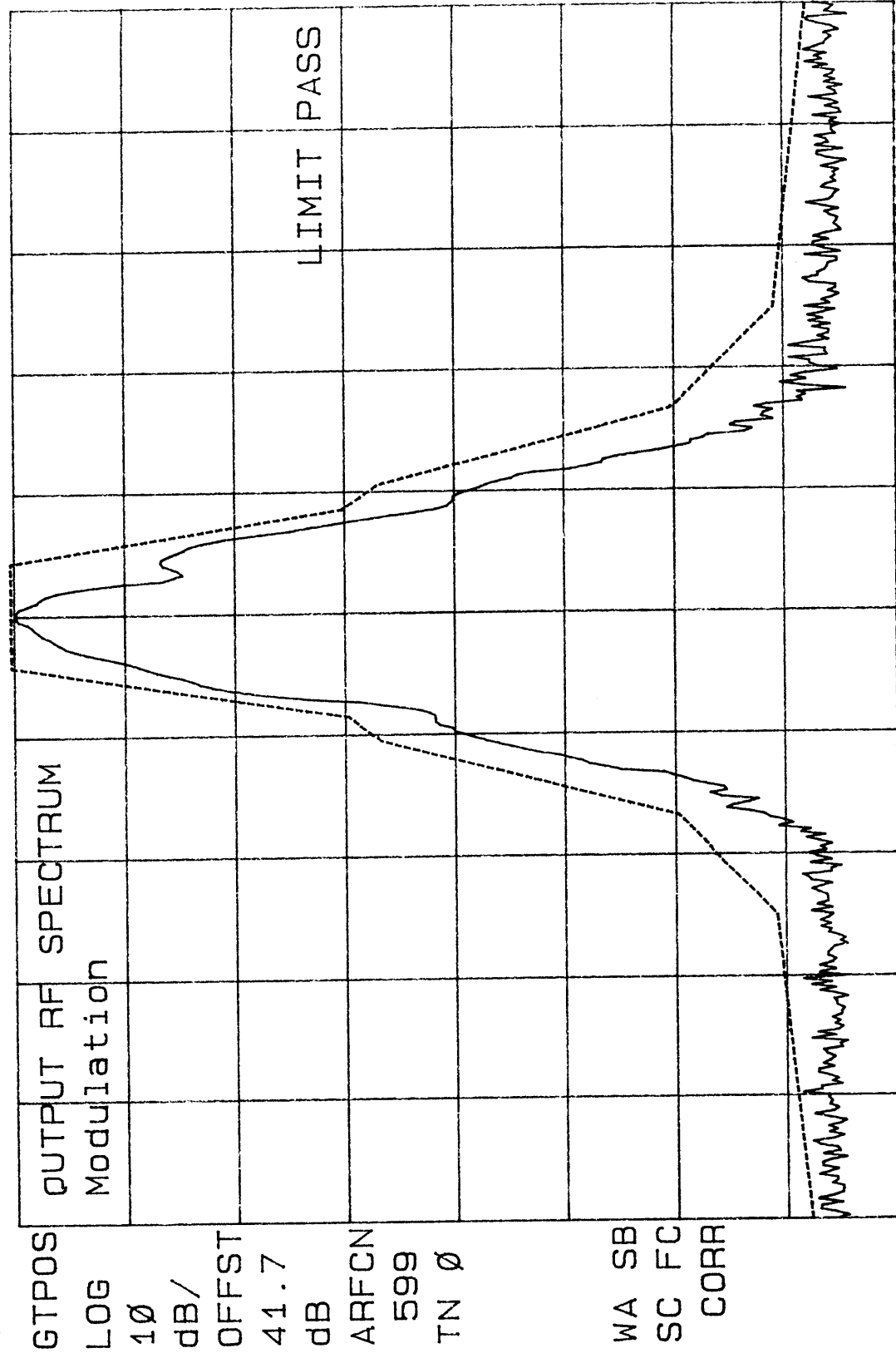
#SWP 320 uSec

SPAN 0 HZ

16:59:19 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.1 dBm #AT 20 dB



CENTER 1.947600 GHz

SPAN 2.400 MHz

#RES BW 30 KHz

#VBW 30 KHz

#SWP 2.00 sec

17:05:10 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.5 dBm #AT 20 dB

GTSMP

LOG

10

dB/

OFFST

41.7

dB

ARFCN

599

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

- Offset		+ Offset	
Offset	Freq	dB	dBm
0	KHZ	0.0	39.2
100	KHZ	-10.1	29.1
200	KHZ	-38.7	0.5
250	KHZ	-42.3	-3.1
400	KHZ	-70.8	-31.6
600	KHZ	-78.9	-39.8
800	KHZ	-80.2	-41.0
1000	KHZ	-80.2	-41.0
1200	KHZ	-80.0	-40.9
1400	KHZ	-80.5	-41.3
1600	KHZ	-80.7	-41.5
1800	KHZ	-73.4	-34.2
0.0		0.0	39.2
-14.3		-14.3	24.9
-39.7		-39.7	-0.6
-44.3		-44.3	-5.1
-77.5		-77.5	-38.3
-78.3		-78.3	-39.1
-80.3		-80.3	-41.1
-80.8		-80.8	-41.6
-76.6		-76.6	-37.4
-79.5		-79.5	-40.3
-79.5		-79.5	-40.3
-73.4		-73.4	-34.2

CENTER 1.9476000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

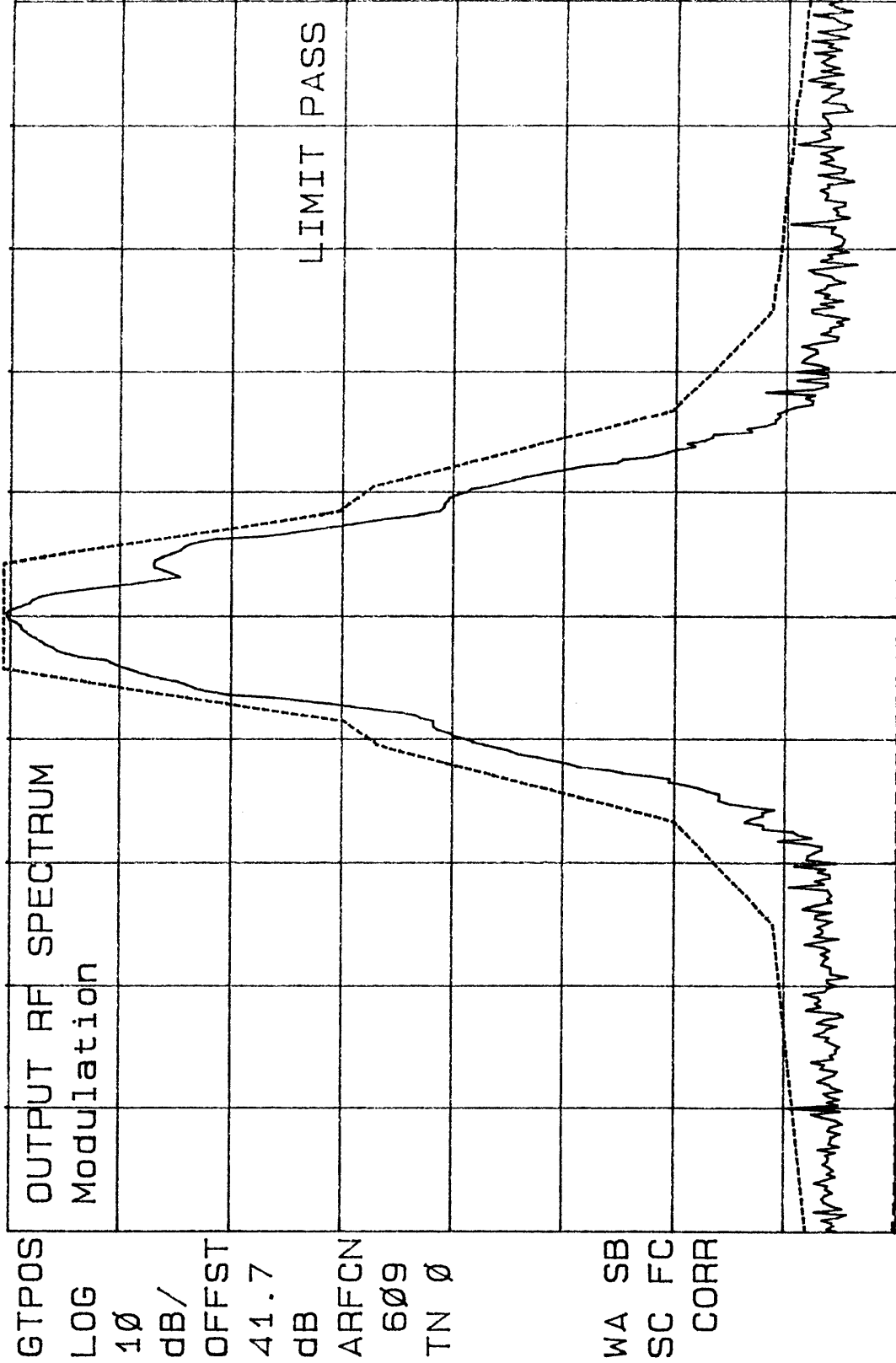
#SWP 320 uSec

SPAN 0 HZ

18:35:17 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 41.9 dBm #AT 20 dB



CENTER 1.949600 GHz

#RES BW 30 kHz

#VBW 30 kHz

SPAN 2.400 MHz

#SWP 2.00 sec

18: 41: 59 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.7 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

609

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHZ	0.0	39.2	0.0	39.2
100	KHZ	-10.1	29.0	-14.2	24.9
200	KHZ	-38.3	0.9	-39.7	-0.6
250	KHZ	-42.4	-3.2	-44.5	-5.3
400	KHZ	-71.3	-32.1	-73.3	-34.1
600	KHZ	-79.3	-40.1	-78.8	-39.6
800	KHZ	-77.7	-38.5	-80.1	-41.0
1000	KHZ	-80.5	-41.4	-81.4	-42.2
1200	KHZ	-81.5	-42.3	-80.8	-41.7
1400	KHZ	-76.9	-37.7	-75.5	-36.3
1600	KHZ	-78.5	-39.3	-77.7	-38.5
1800	KHZ	-73.0	-33.8	-72.9	-33.8

CENTER 1.9496000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 320 usec

SPAN 0 Hz

MEASUREMENT: 3B

MEASUREMENT

OF

OCCUPIED BANDWIDTH

SINGLE CARRIER WITHOUT COMBINER

BLOCK E

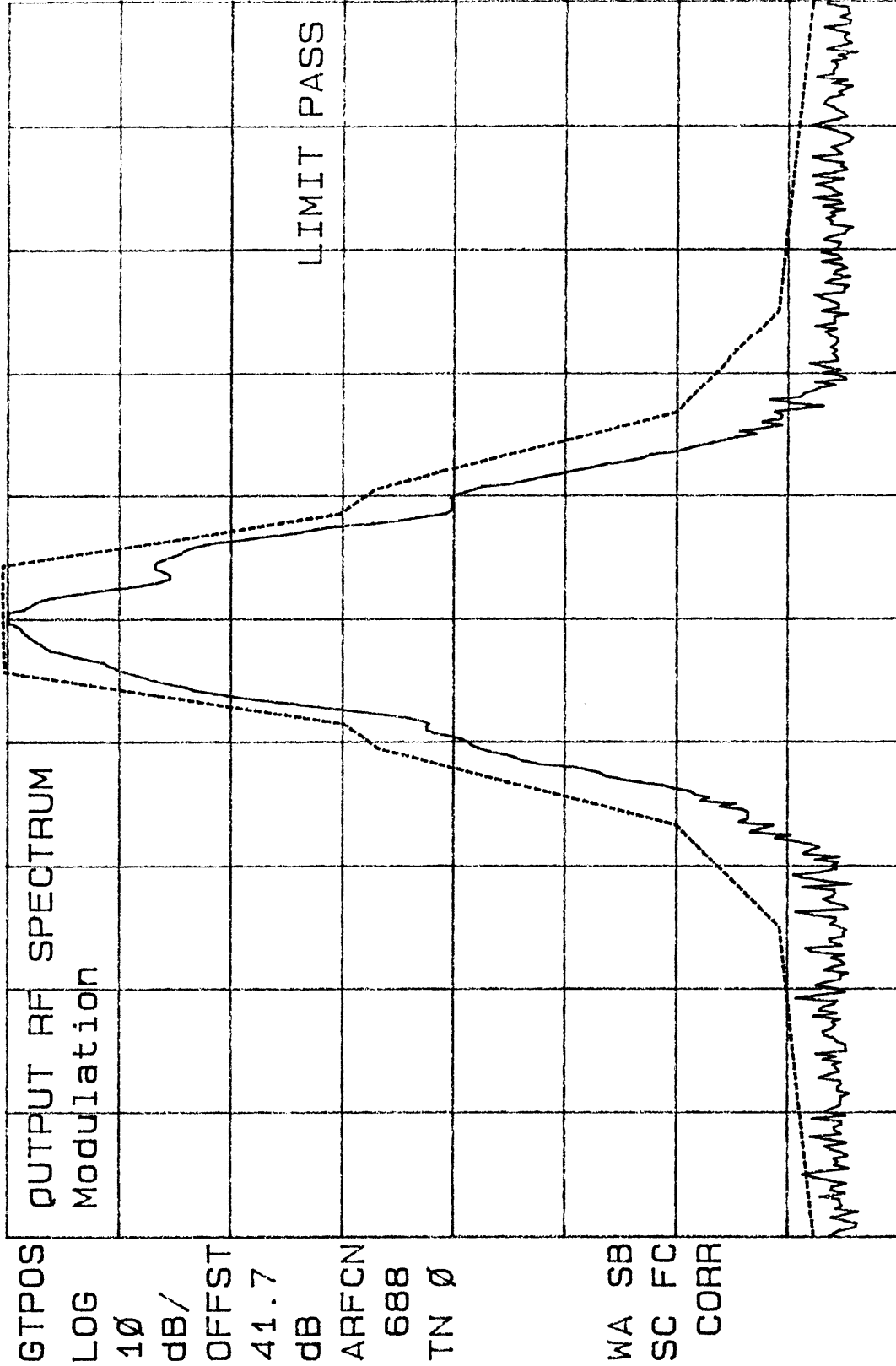
(1965 – 1970 MHz)

Left Edge:	1965.4 MHz (Channel 688)
Center:	1967.6 MHz (Channel 699)
Right Edge:	1969.6 MHz (Channel 709)

19: 47: 46 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.2 dBm #AT 20 dB



CENTER 1.965400 GHz

#RES BW 30 KHz

#VBW 30 KHz

SPAN 2.400 MHz

#SWP 2.00 sec

19:56:14 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K- 01

REF 42.5 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

688

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

- Offset + Offset

dB dBm dB dBm

Offset	Freq	dB	dBm	dB	dBm
0	KHZ	0.0	39.3	0.0	39.3
100	KHZ	-10.1	29.2	-14.3	25.0
200	KHZ	-38.5	0.8	-39.8	-0.5
250	KHZ	-42.0	-2.7	-44.0	-4.7
400	KHZ	-69.0	-29.6	-71.9	-32.6
600	KHZ	-79.8	-40.5	-79.5	-40.1
800	KHZ	-79.0	-39.7	-79.8	-40.5
1000	KHZ	-79.9	-40.5	-78.8	-39.4
1200	KHZ	-76.4	-37.0	-79.1	-39.8
1400	KHZ	-80.6	-41.3	-78.9	-39.6
1600	KHZ	-79.1	-39.8	-79.3	-40.0
1800	KHZ	-75.0	-35.7	-73.5	-34.1

CENTER 1.9654000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

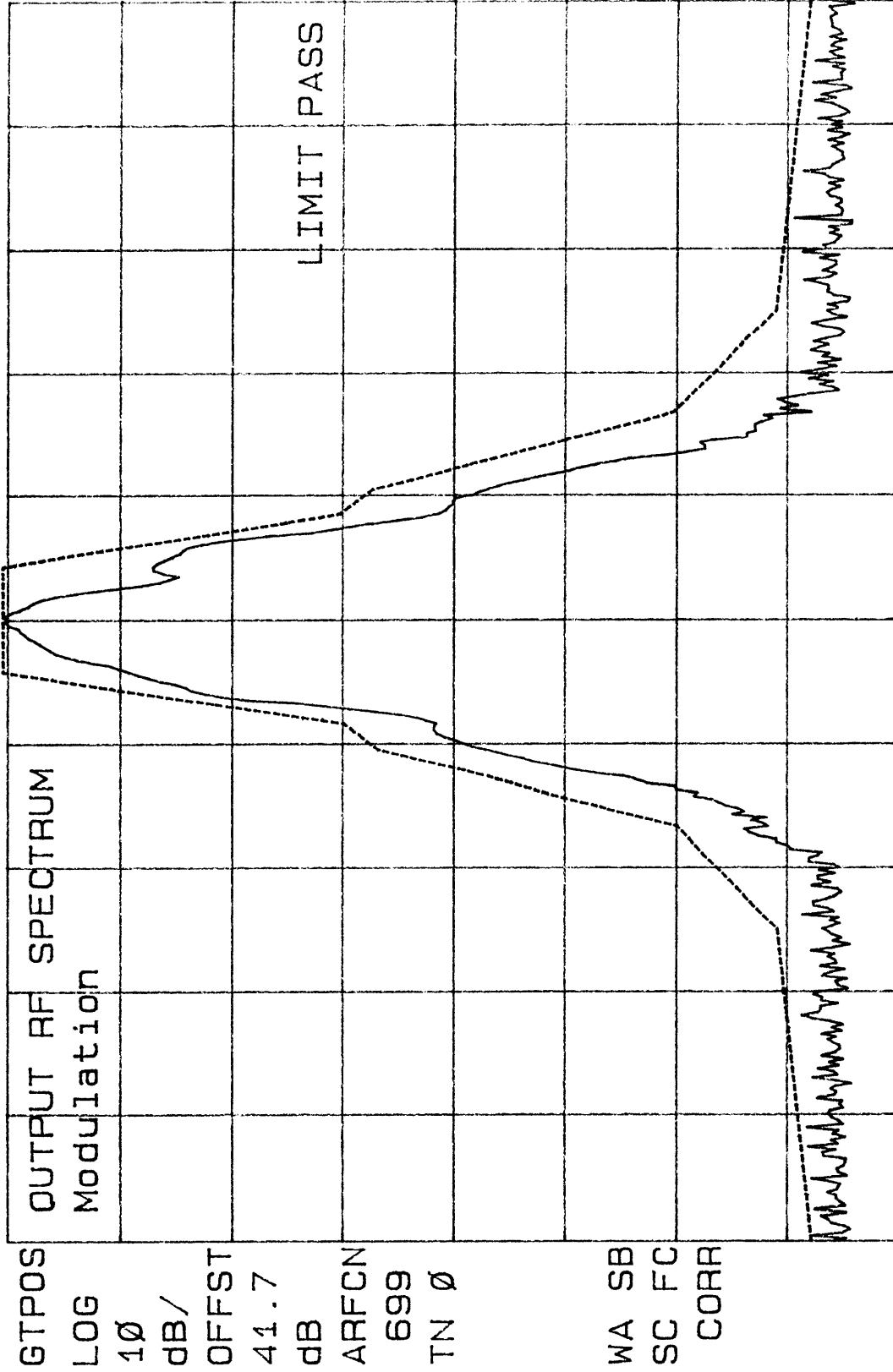
#SWP 320 uSec

SPAN 0 Hz

19:32:45 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.1 dBm #AT 20 dB



CENTER 1.967600 GHz

#RES BW 30 KHz

#VBW 30 KHz

SPAN 2.400 MHz

#SWP 2.00 sec

19:38:33 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.8 dBm #AT 20 dB

OUTPUT RF SPECTRUM				
LOG	Modulation			
10		- Offset		
dB/		dB		
OFFST	Offset Freq	dBm		
41.7	0 KHZ	0.0	39.4	0.0
dB	100 KHZ	-10.2	29.2	-14.4
ARFCN	200 KHZ	-38.2	1.1	-39.7
699	250 KHZ	-42.3	-2.9	-44.3
TN 0	400 KHZ	-71.9	-32.5	-75.9
BURST	600 KHZ	-78.3	-39.0	-78.0
1	800 KHZ	-80.5	-41.1	-77.3
	1000 KHZ	-78.5	-39.1	-77.2
SA SB	1200 KHZ	-81.6	-42.2	-82.2
SC EC	1400 KHZ	-79.6	-40.2	-77.7
CORR	1600 KHZ	-79.7	-40.3	-77.3
	1800 KHZ	-74.0	-34.7	-74.5

CENTER 1.9676000 GHZ

SPAN 0 Hz

#RES BW 30 KHZ

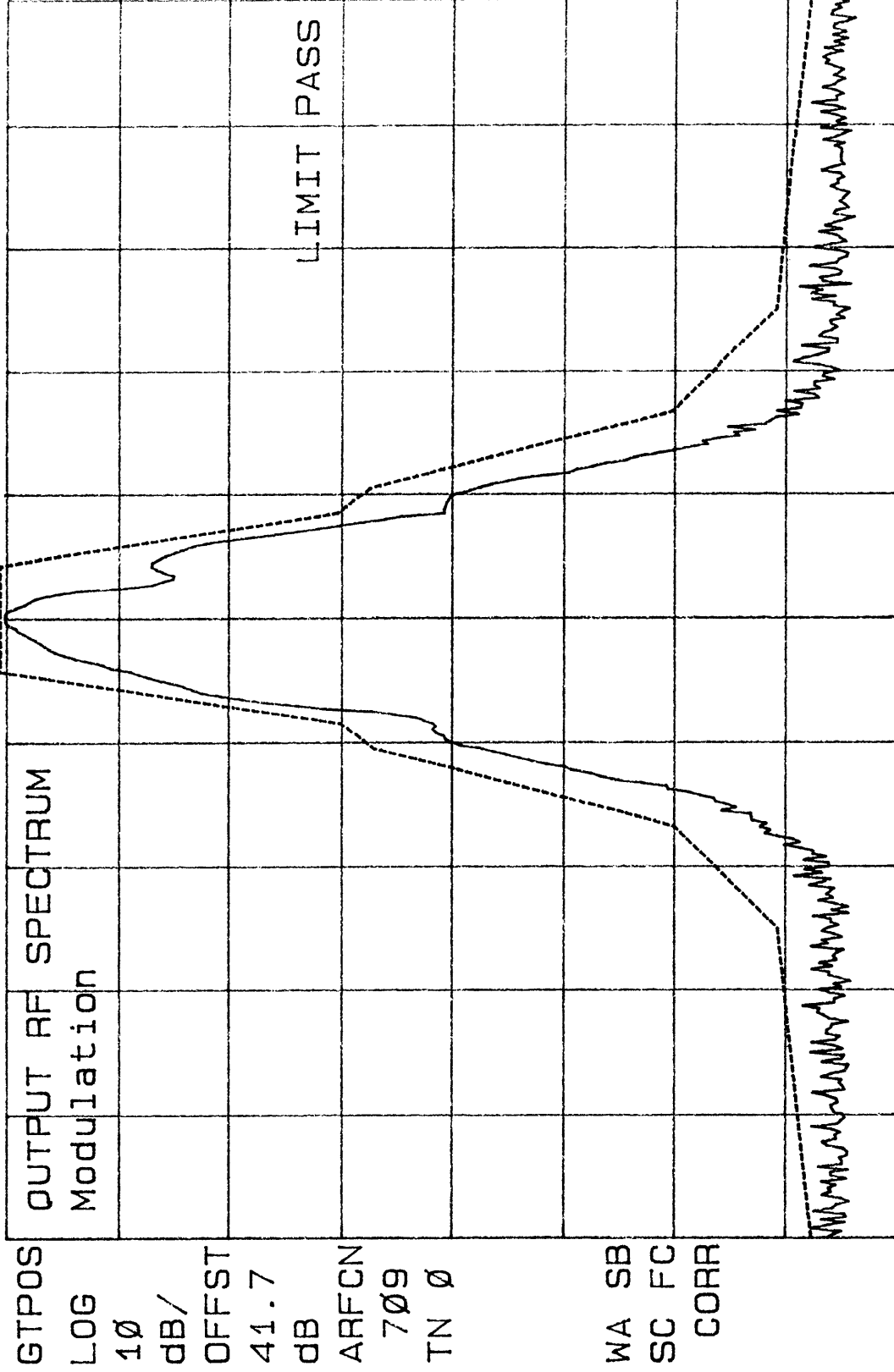
#VBW 30 KHZ

#SWP 320 μsec

20:05:23 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.2 dBm #AT 20 dB



CENTER 1.969600 GHz

SPAN 2.400 MHz
#RES BW 30 kHz
#VBW 30 kHz
#SWP 2.00 sec

20: 11: 37 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K- 01
REF 42.8 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

709

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

Offset Freq		- Offset		+ Offset	
dB	dBm	dB	dBm	dB	dBm
0 KHZ	0.0	0.0	39.4	0.0	39.4
100 KHZ	-10.2	-10.2	29.2	-14.3	25.1
200 KHZ	-39.0	-39.0	0.4	-39.6	-0.2
250 KHZ	-42.1	-42.1	-2.7	-43.9	-4.5
400 KHZ	-69.2	-69.2	-29.8	-73.1	-33.7
600 KHZ	-78.7	-78.7	-39.3	-73.6	-34.2
800 KHZ	-78.9	-78.9	-39.5	-76.0	-36.6
1000 KHZ	-80.9	-80.9	-41.5	-77.3	-38.0
1200 KHZ	-79.3	-79.3	-39.9	-78.8	-39.4
1400 KHZ	-79.6	-79.6	-40.3	-79.0	-39.6
1600 KHZ	-79.5	-79.5	-40.1	-81.5	-42.1
1800 KHZ	-72.9	-72.9	-33.6	-73.2	-33.9

CENTER 1.9696000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 320 μsec

SPAN 0 Hz

MEASUREMENT: 3B

MEASUREMENT

OF

OCCUPIED BANDWIDTH

SINGLE CARRIER WITHOUT COMBINER

BLOCK F

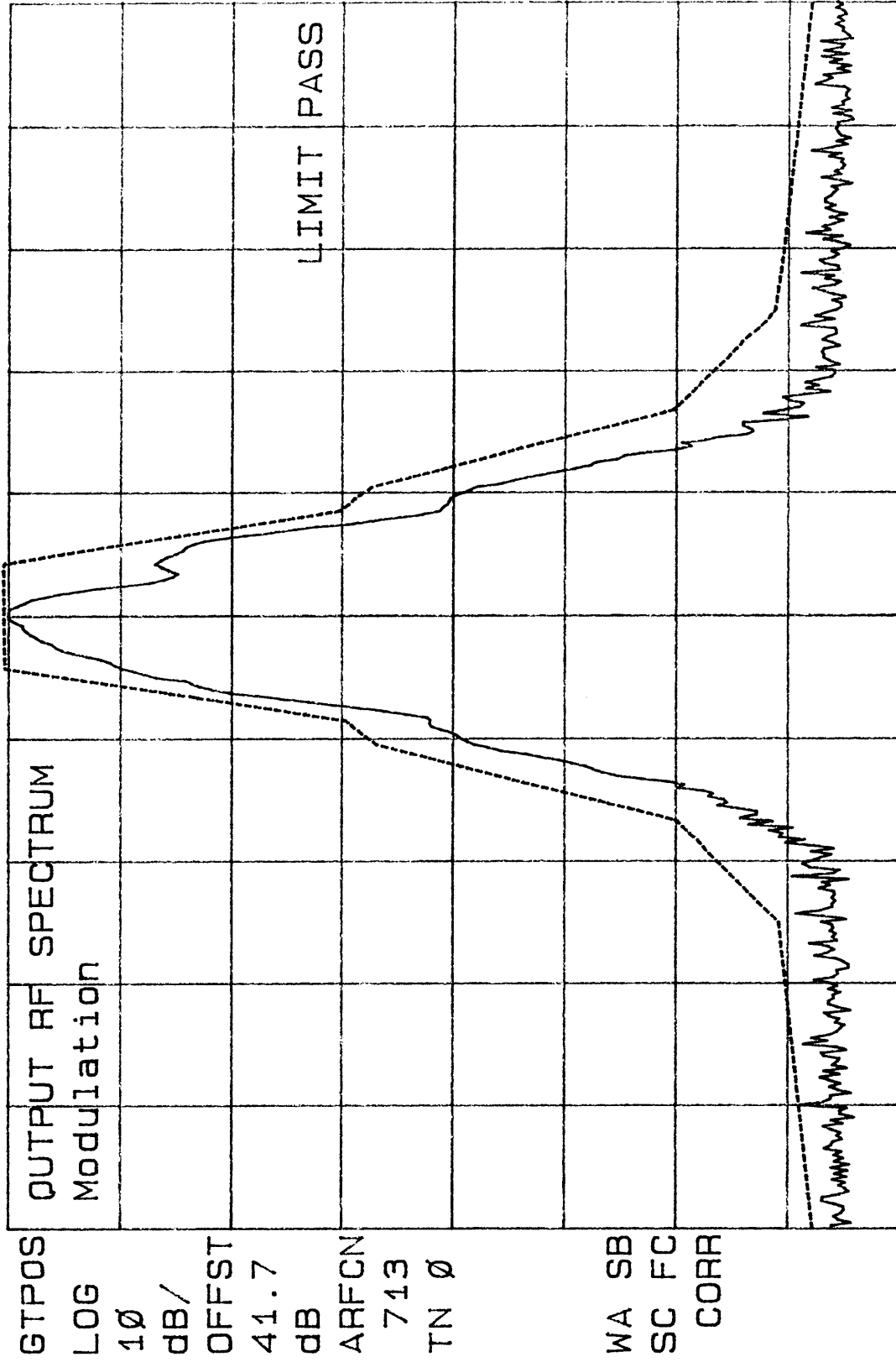
(1970 – 1975 MHz)

Left Edge:	1970.4 MHz (Channel 713)
Center:	1972.6 MHz (Channel 724)
Right Edge:	1974.6 MHz (Channel 734)

20:18:38 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.2 dBm #AT 20 dB



20:25:42 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K- 01

REF 42.6 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

713

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

- Offset		+ Offset	
Offset	Freq	dB	dBm
0	KHZ	0.0	39.4
100	KHZ	-10.1	29.3
200	KHZ	-38.6	0.8
250	KHZ	-42.3	-3.0
400	KHZ	-71.0	-31.7
600	KHZ	-80.6	-41.3
800	KHZ	-77.3	-38.0
1000	KHZ	-81.4	-42.0
1200	KHZ	-79.2	-39.8
1400	KHZ	-78.9	-39.5
1600	KHZ	-76.5	-37.1
1800	KHZ	-73.1	-33.8
		0.0	39.4
		-14.4	25.0
		-39.5	-0.1
		-44.5	-5.2
		-72.0	-32.6
		-79.0	-39.6
		-79.9	-40.5
		-77.1	-37.8
		-82.4	-43.0
		-79.0	-39.7
		-79.9	-40.5
		-72.1	-32.8

CENTER 1.9704000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

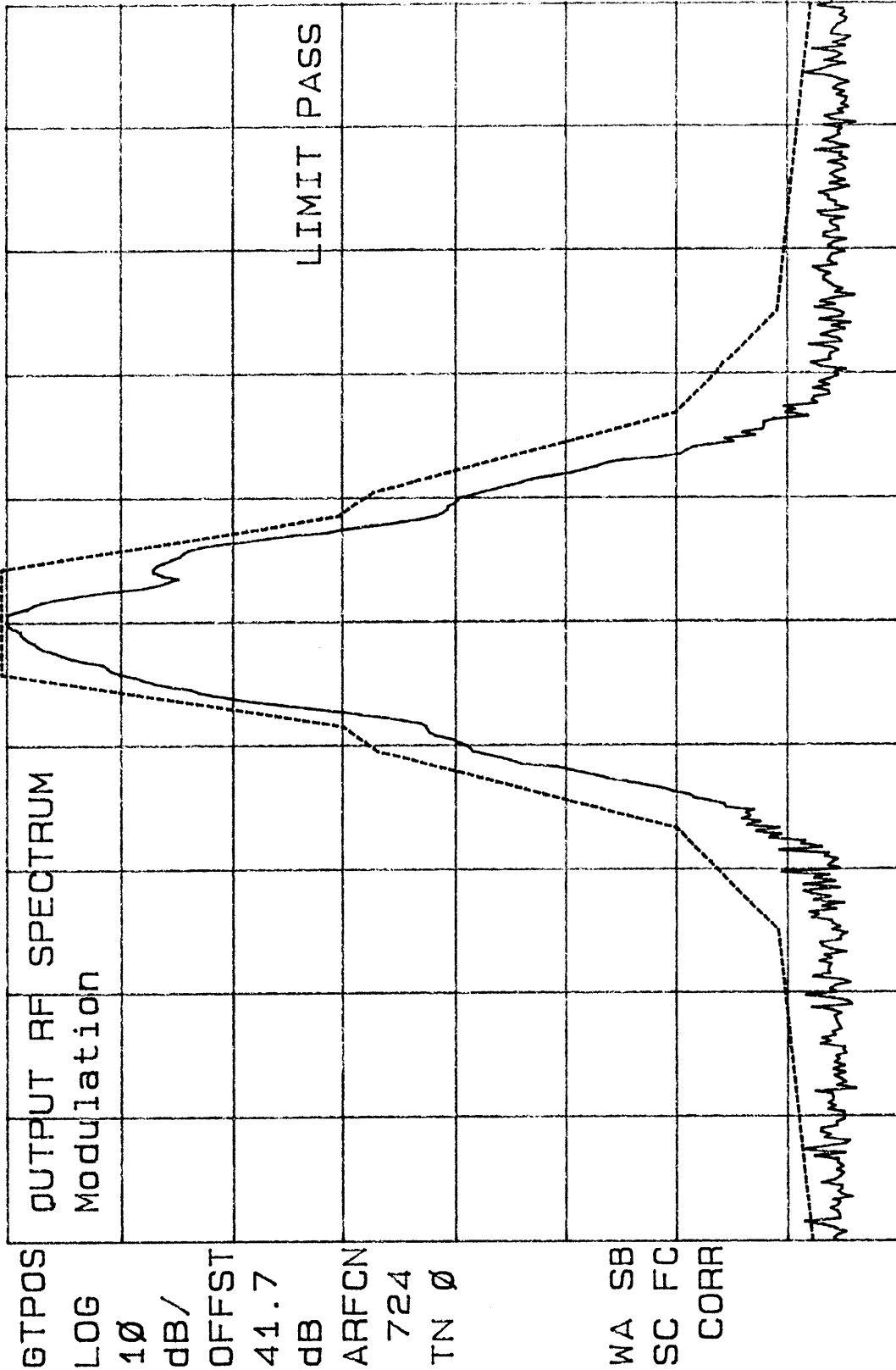
#SWP 320 μsec

SPAN 0 Hz

20:32:22 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.1 dBm #AT 20 dB



CENTER 1.972600 GHz

SPAN 2.400 MHz
#SWP 2.00 sec

#VBW 30 kHz

#RES BW 30 kHz

20: 38: 26 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K- 01

REF 42.6 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

724

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

Offset Freq		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHZ	0.0	39.4	0.0	39.4
100	KHZ	-10.2	29.2	-14.2	25.2
200	KHZ	-38.8	0.6	-39.9	-0.5
250	KHZ	-42.1	-2.7	-44.0	-4.6
400	KHZ	-71.7	-32.3	-73.4	-34.0
600	KHZ	-82.2	-42.9	-77.4	-38.0
800	KHZ	-77.0	-37.6	-79.7	-40.3
1000	KHZ	-79.4	-40.0	-79.0	-39.7
1200	KHZ	-79.4	-40.0	-79.1	-39.7
1400	KHZ	-79.4	-40.0	-80.2	-40.8
1600	KHZ	-78.0	-38.6	-79.9	-40.5
1800	KHZ	-72.9	-33.5	-74.4	-35.0

CENTER 1.9726000 GHZ

#RES BW 30 KHZ

#VBW 30 KHZ

#SWP 320 usec

SPAN 0 Hz

20:52:43 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K-01

REF 42.6 dBm #AT 20 dB

GTSMF

LOG

10

dB/

OFFST

41.7

dB

ARFCN

734

TN 0

BURST

1

SA SB

SC EC

CORR

OUTPUT RF SPECTRUM

Modulation

		- Offset		+ Offset	
Offset	Freq	dB	dBm	dB	dBm
0	KHz	0.0	39.4	0.0	39.4
100	KHz	-10.1	29.3	-14.3	25.1
200	KHz	-38.8	0.6	-39.4	0.1
250	KHz	-42.3	-2.9	-44.4	-5.0
400	KHz	-71.5	-32.0	-74.0	-34.5
600	KHz	-77.7	-38.3	-75.4	-36.0
800	KHz	-79.0	-39.6	-80.4	-41.0
1000	KHz	-80.5	-41.0	-80.8	-41.4
1200	KHz	-79.5	-40.0	-80.9	-41.5
1400	KHz	-79.5	-40.1	-79.7	-40.3
1600	KHz	-78.6	-39.2	-79.0	-39.6
1800	KHz	-72.3	-32.8	-73.6	-34.1

CENTER 1.9746000 GHz

#RES BW 30 KHz

#VBW 30 KHz

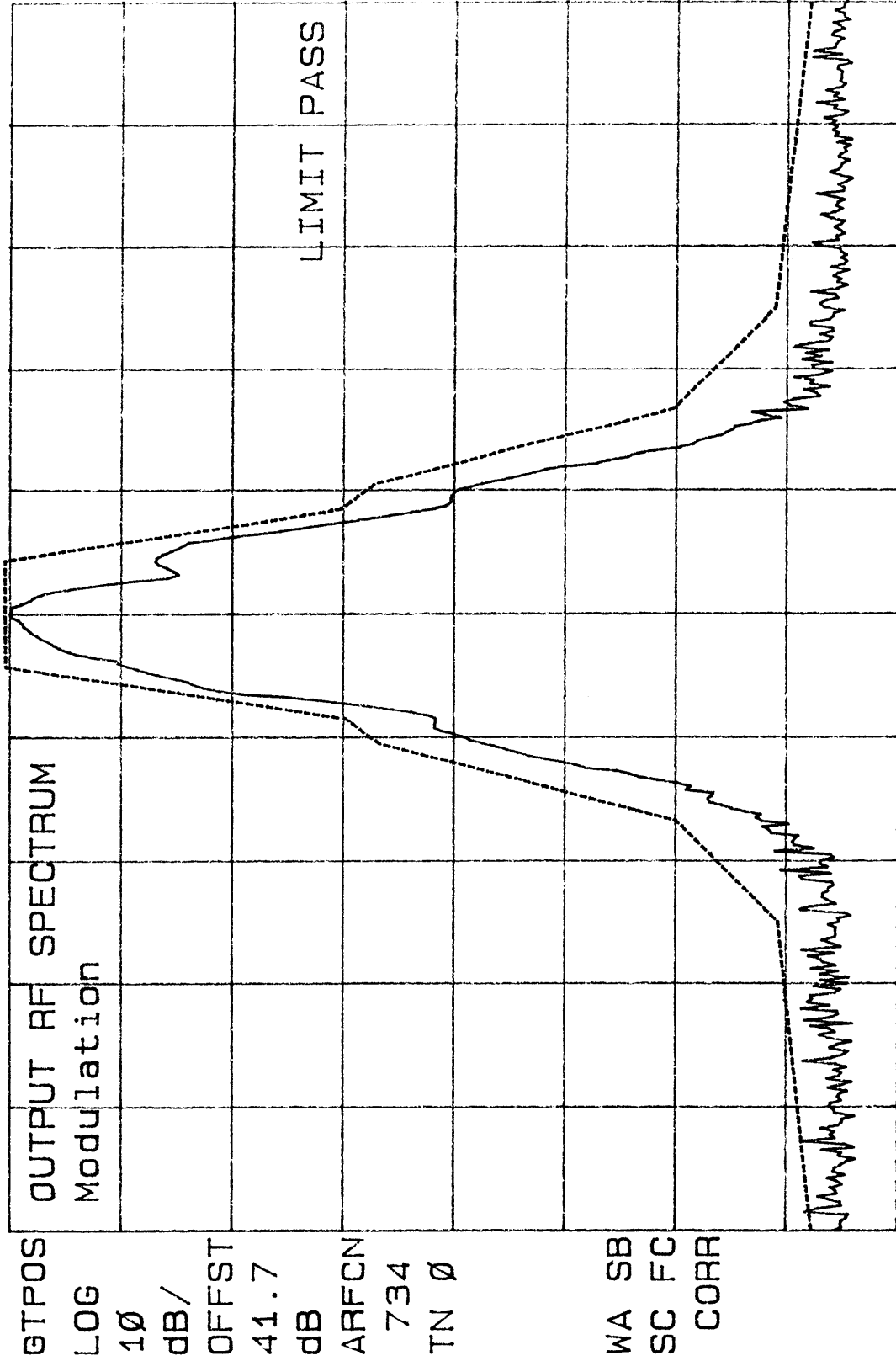
#SWP 320 μsec

SPAN 0 Hz

20: 46: 19 OCT 29, 1999

Occupied B/W. PWR MTR: 44.2 dBm. FCC ID: AS5BTS2K- 01

REF 42.2 dBm #AT 20 dB



CENTER 1.974600 GHz

#RES BW 30 KHZ

#VBW 30 KHZ

SPAN 2.400 MHZ

#SWP 2.00 sec