



SPECTRUM RESEARCH & TESTING LABORATORY, INC.
15200 Shady Grove Road, Suite 350
Rockville, Maryland 20850
Tel: (301) 670-2818 • Fax: (301) 963-8573

9 Aug , 1999
To FCC
ATTN: Mr. Joe Dichoso
FM: Johnson Ho

Re FCC ID: ODWFULLINK2000
Confirmation#: EA94287
Reference :# 8261

FCC LABORATORY
Aug 10 1 03 PM '99

Dear Mr. Joe Dichoso

This is in response to your inquiry for FCC ID: ODWFULLINK2000 project

1. Q : The manufacture of the spread spectrum chip :
A : Chipset's Manufacture : Harris Semiconductor
(1-800-4HARRIS)
2. Q : Output power :
A : a. $P = (E \cdot D) \text{ squared} / 30G$
 $E = 93.38 \text{ dBuV} = 0.046 \text{ v}$
 $D = 3M \ G = 1.64 \ ((0.046) \cdot (0.046) \cdot 3 \cdot 3) / (30 \cdot 1.64) = 0.389 \text{ mW} = -4.1 \text{ dbm}$
This limit is 1W so . it is under limit
b. peak power output is -4.1dBm
c. antenna gain is 2.15 dBi
d. Total EIRP is -1.95 dBm
3. Q : Provide page 1 of the schematic
A: The page 1 is a block diagram
4. Q: Send photo of both sides of the circuit board.
A: On the report, page 51 & 52 are photos of circuit board. The recopy photos as attached.
5. Q: Indicate compliance with sec. 15.203
A: On the report, the page before user manual said that, " Antenna is fixed on the PCB with soldering."



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6. Q: Test above 1GHz were done at 1 meter , but the limit do not agree with 1 meter Measurement.

A: Most data were test at 3 meters. Some points above 4GHz were test at 1 meter. The test result were already changed at 3 meters data. $E1 \times d1 = E2 \times d2$ (At 1 meter condition, it is still at far field condition and if test at 3 meter, the signal is too small.)

7. Q : Was power density test a conducted or radiated test ?

A : The power density test was a conducted test . We retest again. Please see the attached

8. Q : Process gain test “

A : We retest the processing gain. We found the fixture contact of test system was not so good , so loss was over 2dB . After we recheck and re- soldered the cable , and get new data . The new data will be attached and system loss will under 2 dB.

9. Q :What is the chip /symbol ratio and what is the data rate ?

A : Chip/symbol rate : 11M

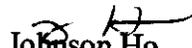
Spread rate : 11M

Data rate : 2M

If you have any questions or need more information , please feel free to contact me or Annie Liu (SRT/ USA)

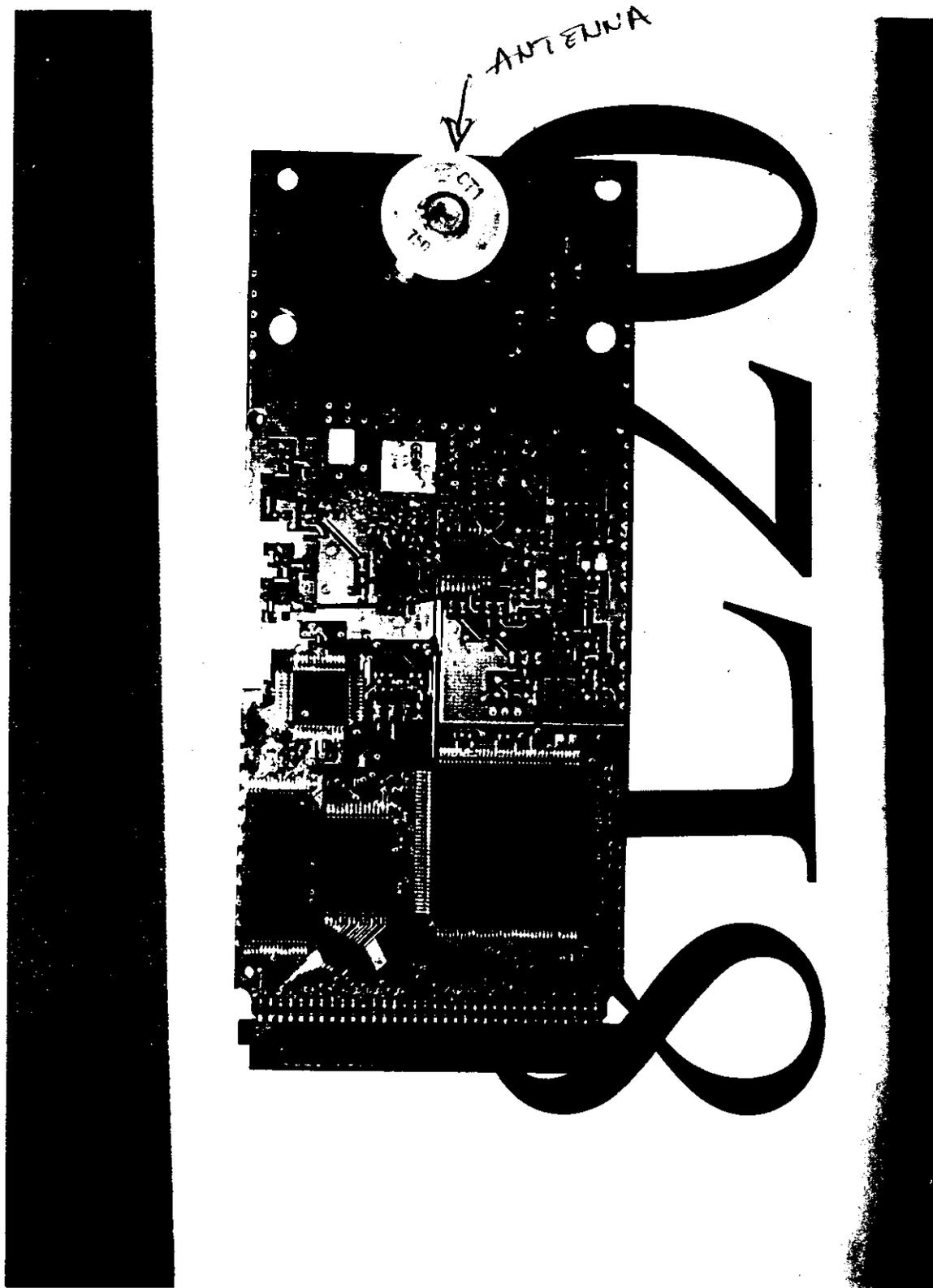
Thank you for your help!

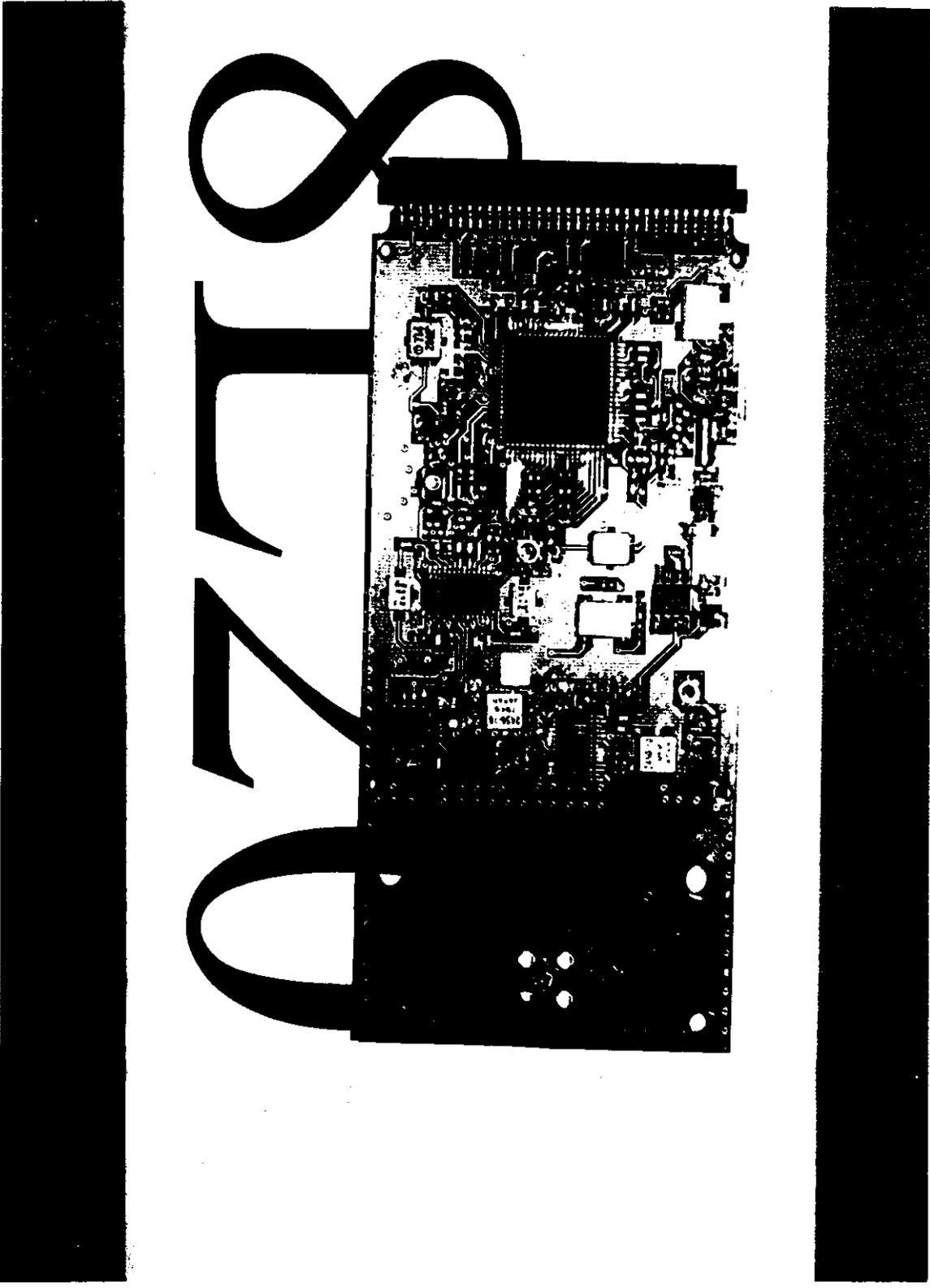
Sincerely,


Johnson Ho.

11. PHOTOS OF TESTING

A. EUT MAIN BOARD COMPONENT SIDE





11. PHOTOS OF TESTING
B. EUT MAIN BOARD SOLDER SIDE

19:45:57 JUN 30. 1999

REF 8.0 dBm #AT 20 dB

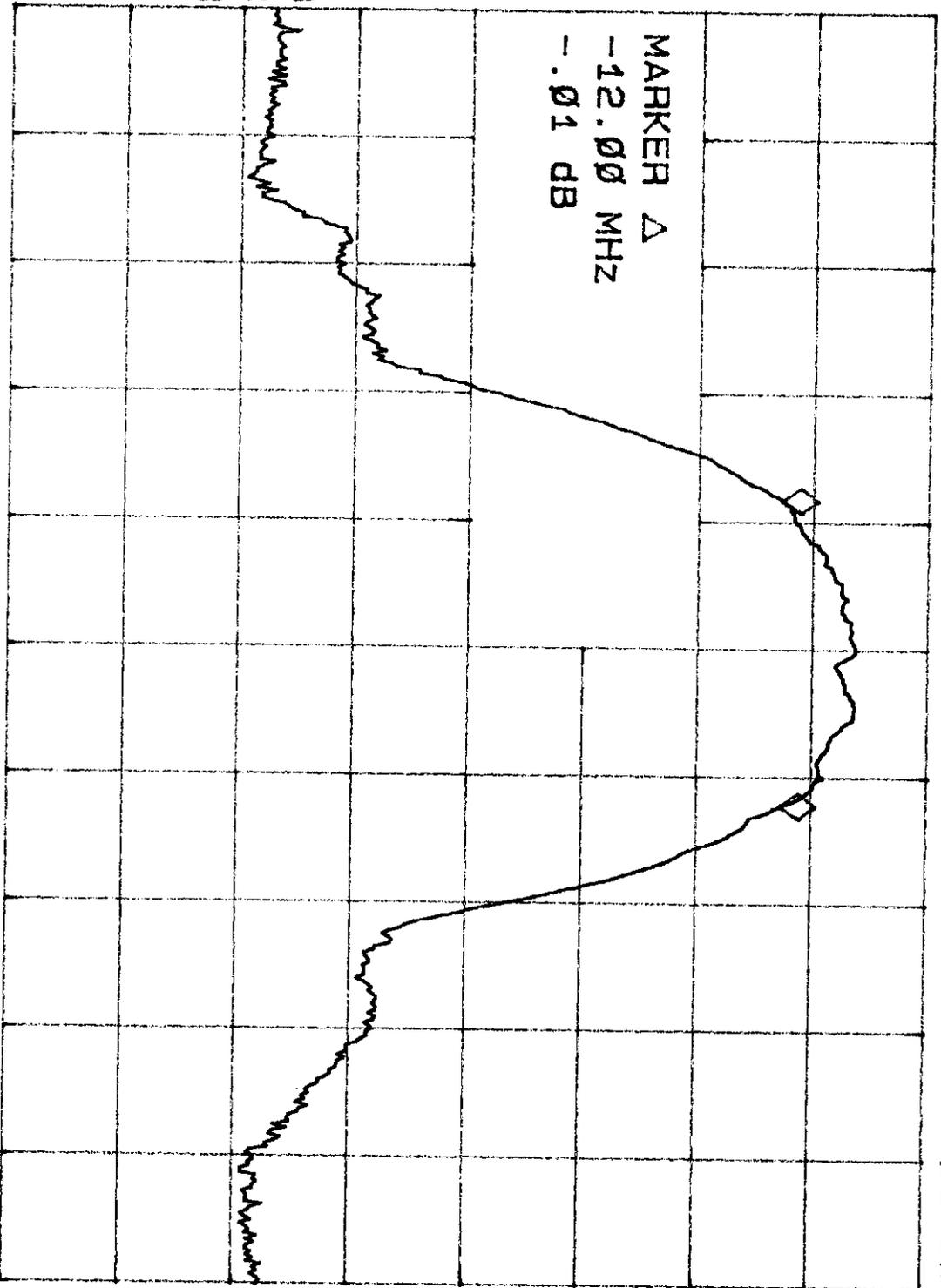
MKR Δ -12.00 MHz
-.01 dB

PEAK

LOG

10

dB/



MARKER
NORMAL

MARKER
 Δ

MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

More
1 of 2

VA SB
SC FC
CORR

CENTER 2.41200 GHz

#RES BW 1.0 MHz

#VBW 1 MHz

SPAN 50.00 MHz

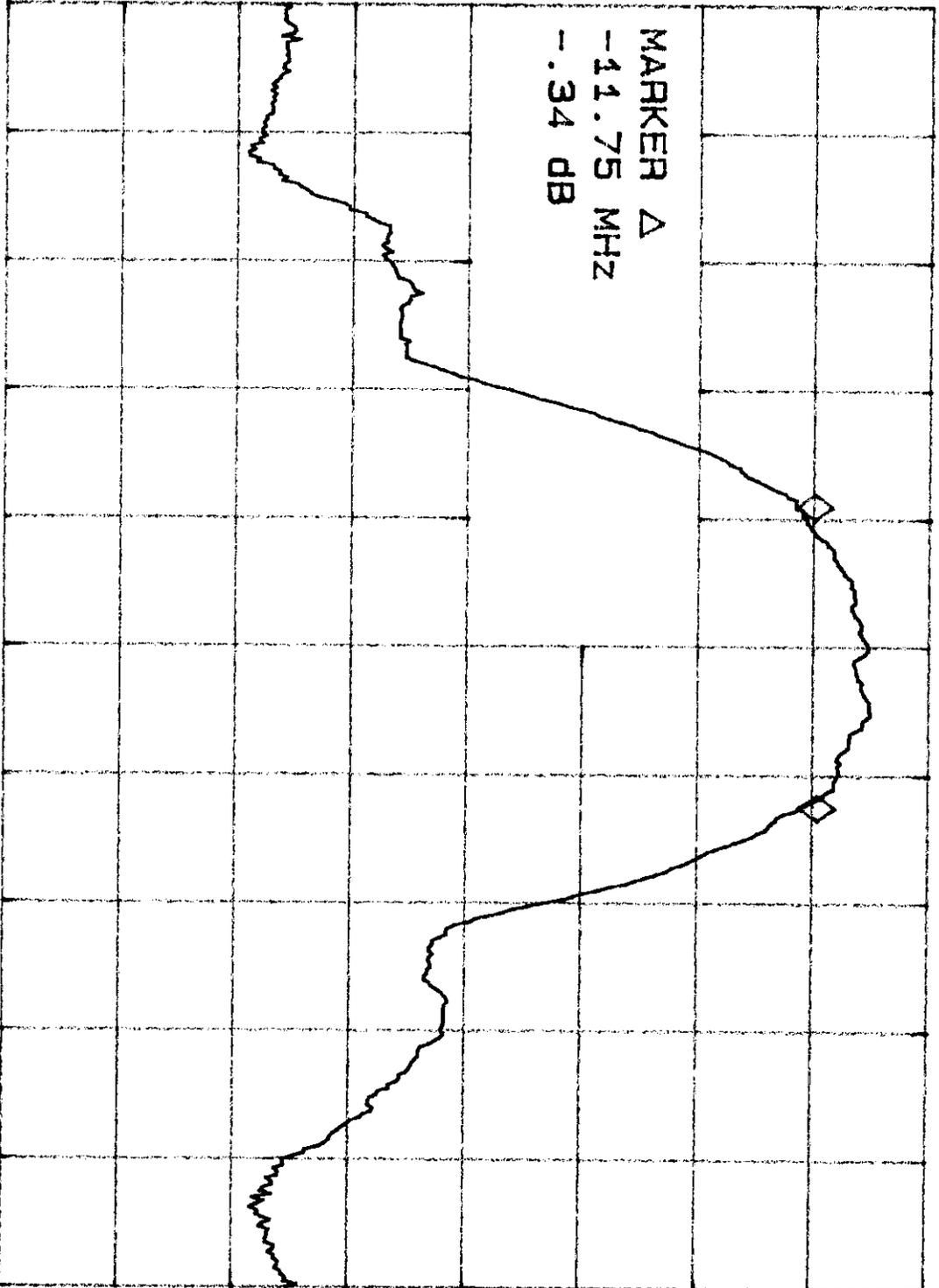
SWP 20.0 msec

19:54:34 JUN 30, 1999

REF 8.0 DBM #AT 20 DB

MKR Δ -11.75 MHz
-.34 DB

PEAK
LOG
10
dB/



VA SB
SC FC
CORR

CENTER 2.43700 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

SPAN 50.00 MHz
SWP 20.0 msec

MARKER
NORMAL

MARKER
 Δ

MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

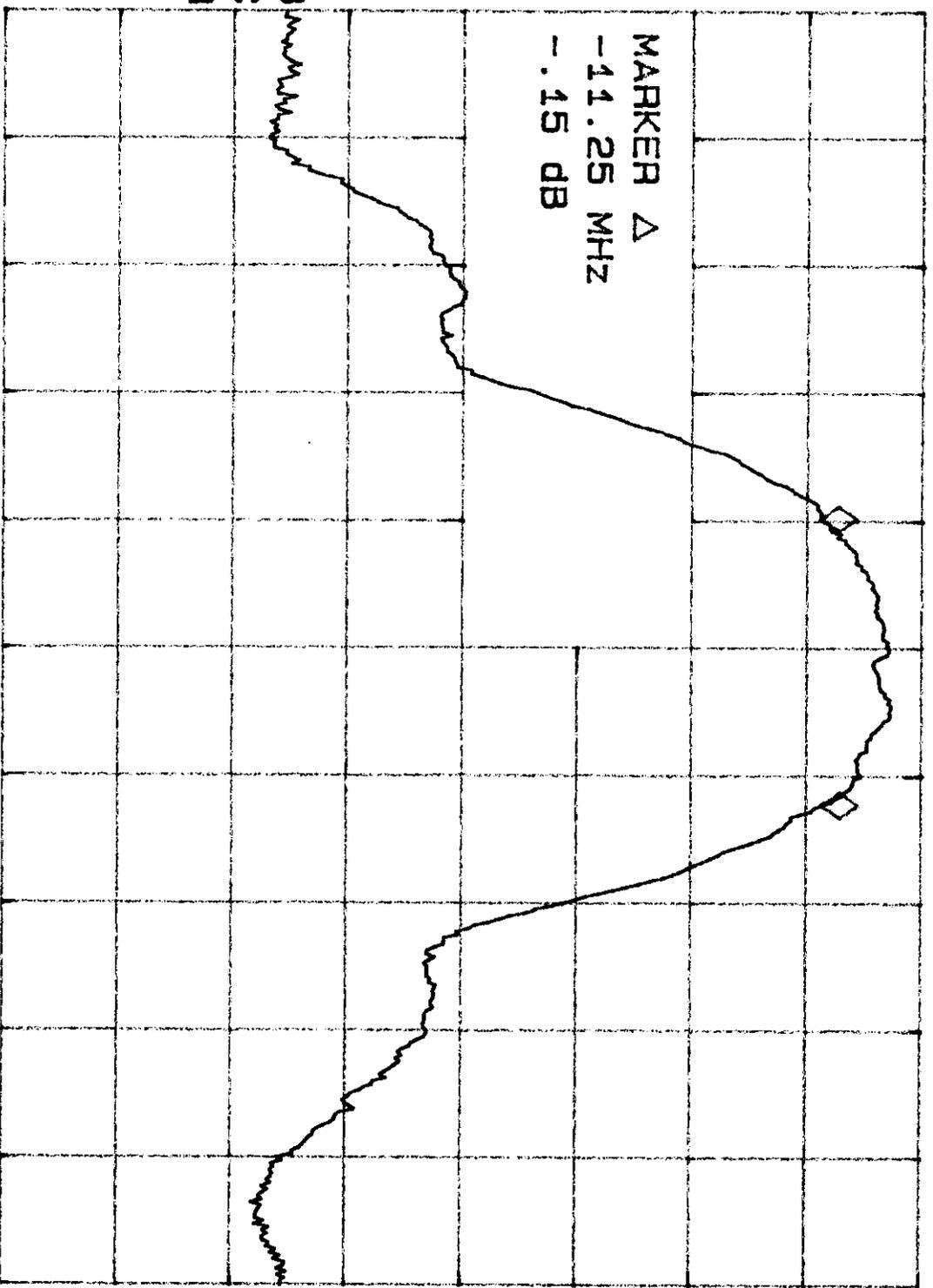
More
1 of 2

19:58:55 JUN 30, 1999

REF 8.0 DBM #AT 20 DB

MKR Δ -11.25 MHz
-.15 DB

PEAK
LOG
10
DB/



V A S B
S C F C
C O R R

CENTER 2.46200 GHz
#RES BW 1.0 MHz

#VBW 1 MHz

SPAN 50.00 MHz
SWP 20.0 msec

MARKER
NORMAL

MARKER
 Δ

MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

MORE
1 of 2

17:32:45 JUL 01, 1999

REF 0.0 dBm AT 20 dB

MKR Δ -10.38 MHz
-.44 dB

PEAK
LOG
10
dB/

MEAS UNCAL

MARKER
NORMAL

MARKER
Δ

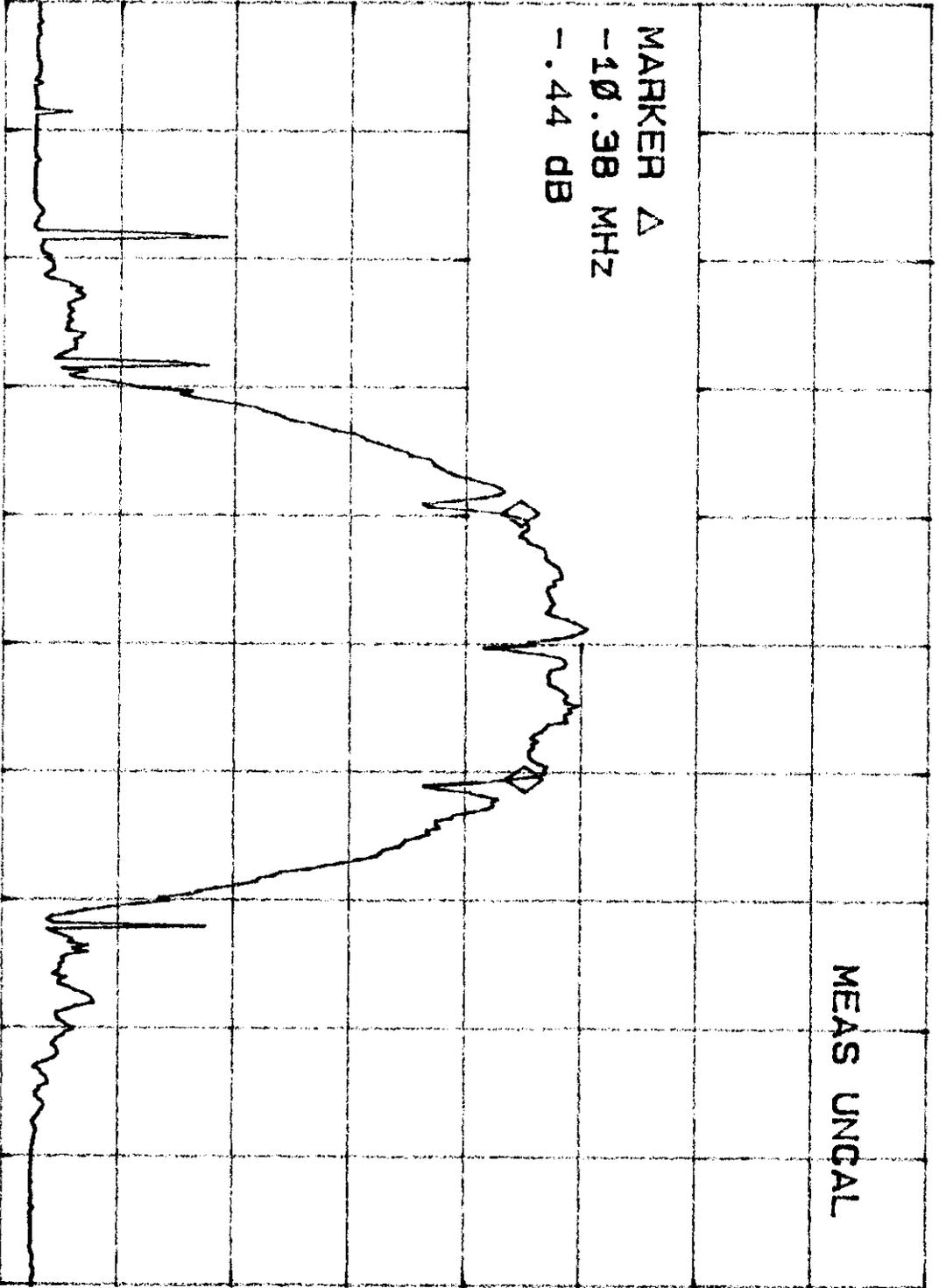
MARKER
AMPPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

MORE
1 of 2

VA SB
SC FC
CORR



CENTER 2.41200 GHz
#RES BW 3.0 KHz

VBW 3 KHz

SPAN 50.00 MHz
#SWP 1.50 sec

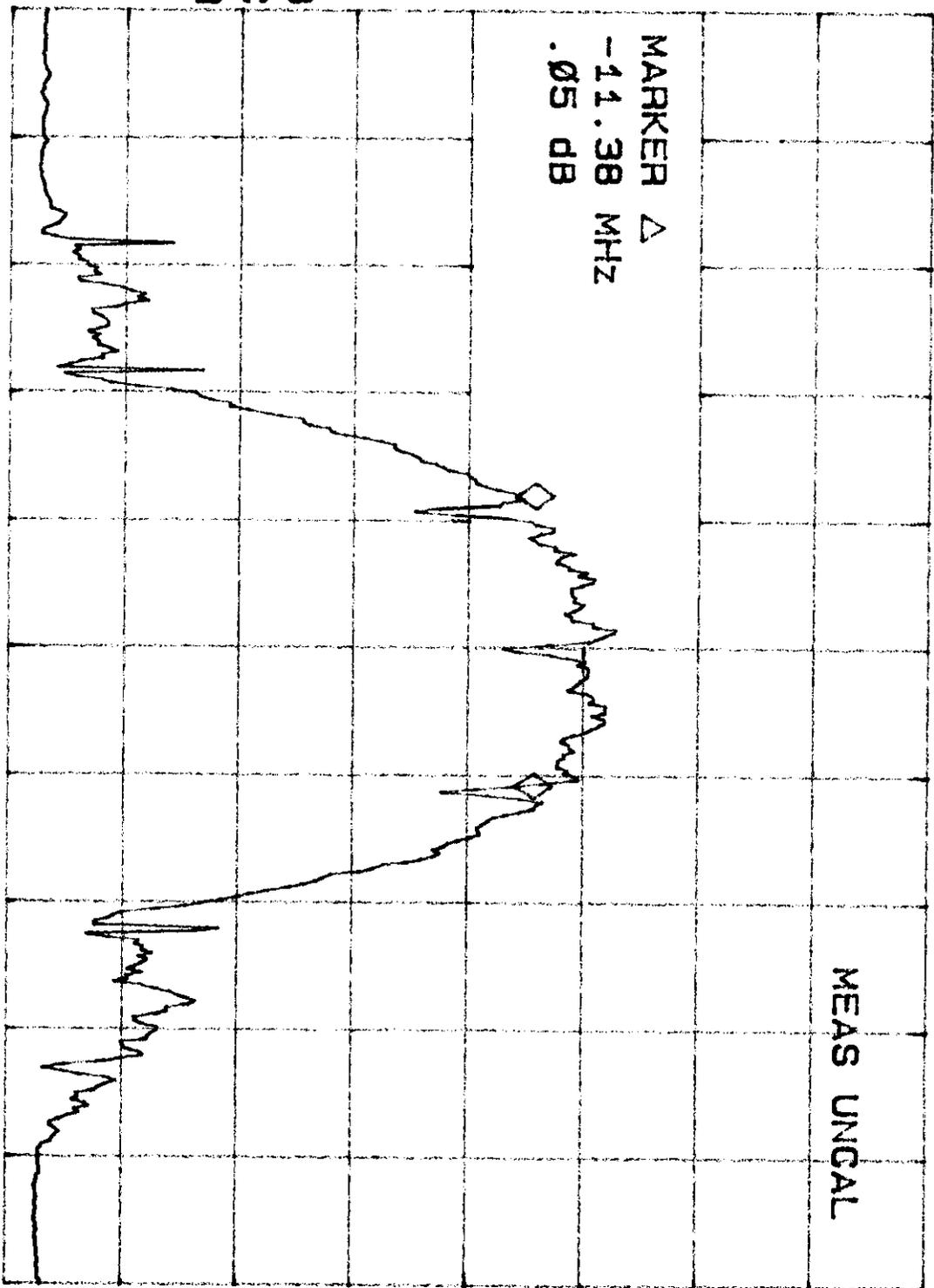
17:37:09 JUL 01, 1999

REF 8.0 DBM AT 20 DB

MKR Δ -11.38 MHz .05 DB

MEAS UNCAL

PEAK
LOG
10
dB/



CENTER 2.43700 GHz
#RES BW 3.0 KHz

VBW 3 KHz

SPAN 50.00 MHz
#SWP 500 msec

MARKER
NORMAL

MARKER
 Δ

MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

MORE
1 of 2

VA SB
SC FC
CORR

17:41:04 JUL 01, 1999

REF 8.0 dBm AT 20 dB

MKR Δ -10.50 MHz

.69 dB

PEAK

LOG

10

dB/

MEAS UNCAL

MARKER
NORMAL

MARKER
 Δ

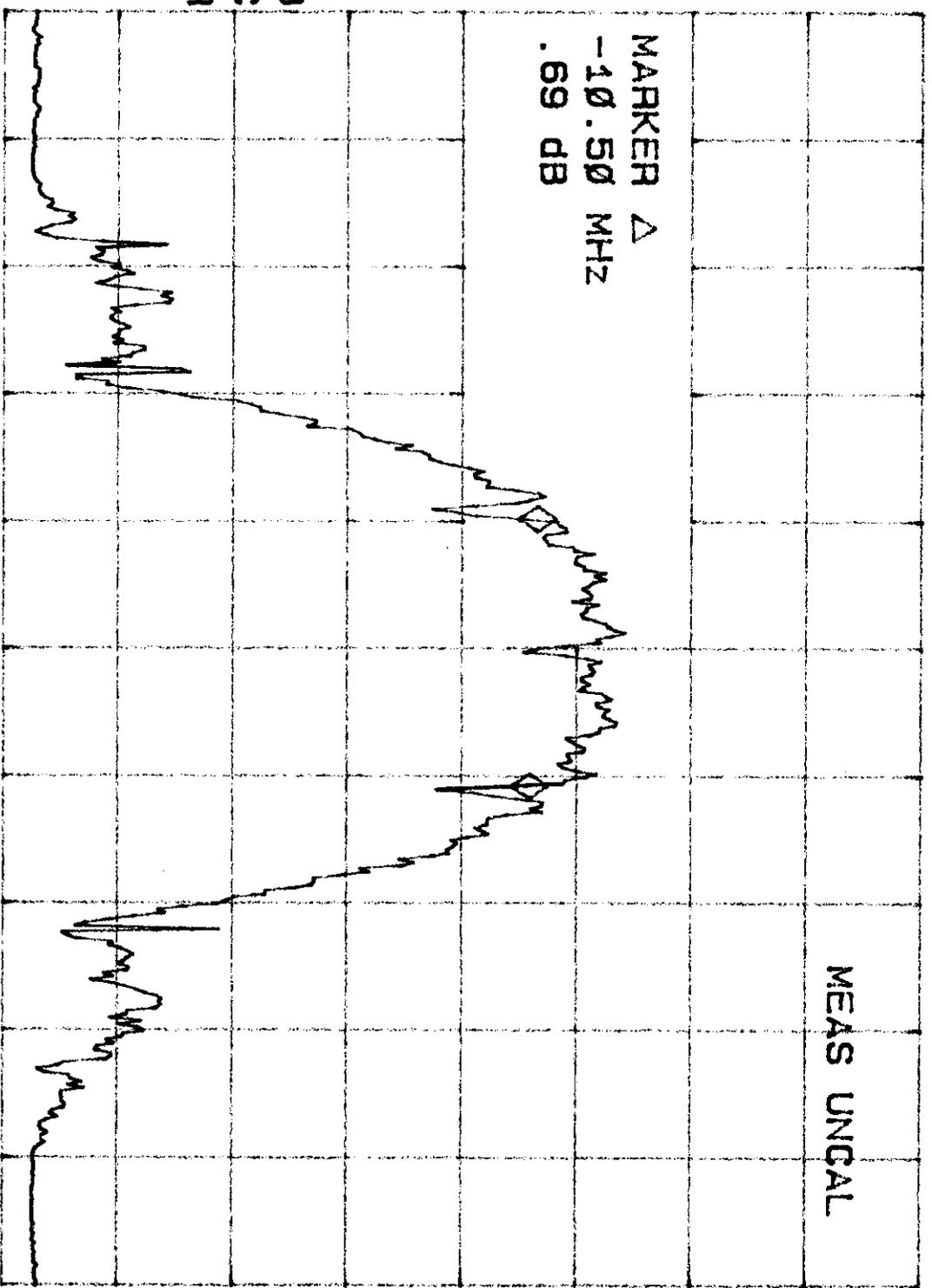
MARKER
AMPTD

SELECT
1 2 3 4

MARKER 1
ON OFF

More
1 of 2

VA SB
SC FC
CORR



CENTER 2.46200 GHz

#RES BW 3.0 KHZ

VBW 3 KHZ

SPAN 50.00 MHz

#SWP 500 msec

* Channel: 1

* Center frequency: 2412MHz

* Test step: 50KHz/step

* Test range: 2401.00MHz to 2424.95MHz

* Test condition

TX	ON	ON	OFF
Jamming	OFF	ON	ON
dBm	-15.58	-13.69	Below table

Processing Gain = $(S/N)_0 + M_j + L_{sys} \geq 10\text{dB}$

$(S/N)_0$: when BER is less than or equal 10^{-5} , the $(S/N)_0$ is 9.8dB for BPSK

$L_{sys} : -13.69 - (-15.58) = 1.89$

$M_j = J/S, S = -15.58\text{dBm}$

If J is over -17.27dBm , Processing Gain (PG) will over 10dB

* Test result: all J signals are over -17.27dBm
so, all PG $\geq 10\text{dB}$

* Channel: 1

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2400.00	9.3	-14.61
.05	9.1	-14.60
.10	9.5	-14.60
.15	9.3	-14.59
.20	8.9	-14.58
.25	8.6	-14.57
.30	8.0	-14.57
.35	7.9	-14.57
.40	7.8	-14.56
.45	7.3	-14.55
.50	6.4	-14.53
.55	6.0	-14.54
.60	6.1	-14.53
.65	5.7	-14.53
.70	5.4	-14.52
.75	5.3	-14.51
.80	5.1	-14.49
.85	5.0	-14.48
.90	4.6	-14.47
.95	4.1	-14.46
2401.00	4.1	-14.44
.05	3.6	-14.44
.10	3.5	-14.43
.15	3.4	-14.39
.20	3.2	-14.39
.25	3.1	-14.39
.30	3.0	-14.37
.35	3.0	-14.38
.40	2.9	-14.37
.45	2.8	-14.37
.50	3.1	-14.36
.55	3.1	-14.38
.60	2.8	-14.35
.65	2.9	-14.36
.70	2.9	-14.34
.75	3.2	-14.33
.80	3.1	-14.32
.85	3.6	-14.33
.90	2.5	-14.30
.95	2.6	-14.32

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2402.00	3.0	-14.31
.05	2.8	-14.30
.10	2.6	-14.30
.15	2.7	-14.29
.20	2.5	-14.29
.25	2.2	-14.28
.30	2.1	-14.25
.35	2.1	-14.26
.40	2.2	-14.28
.45	2.3	-14.29
.50	2.1	-14.24
.55	1.8	-14.23
.60	1.7	-14.21
.65	1.5	-14.20
.70	1.4	-14.21
.75	1.0	-14.19
.80	1.1	-14.18
.85	1.0	-14.17
.90	0.9	-14.20
.95	0.7	-14.18
2403.00	0.2	-14.17
.05	0.1	-14.19
.10	-0.3	-14.19
.15	-0.4	-14.20
.20	-0.4	-14.19
.25	-0.6	-14.21
.30	-0.7	-14.20
.35	-1.1	-14.17
.40	-1.1	-14.22
.45	-1.2	-14.23
.50	-1.3	-14.24
.55	-1.4	-14.24
.60	-1.6	-14.25
.65	-1.7	-14.27
.70	-1.9	-14.28
.75	-2.1	-14.28
.80	-2.3	-14.29
.85	-2.4	-14.31
.90	-2.5	-14.32
.95	-2.6	-14.35

*** Channel: 1**

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2404.00	-2.8	-14.33
.05	-2.8	-14.32
.10	-3.1	-14.29
.15	-3.2	-14.28
.20	-3.0	-14.26
.25	-3.1	-14.27
.30	-3.2	-14.24
.35	-3.3	-14.23
.40	-3.6	-14.23
.45	-3.9	-14.21
.50	-4.1	-14.18
.55	-4.1	-14.14
.60	-4.3	-14.13
.65	-4.4	-14.11
.70	-4.5	-14.05
.75	-4.7	-14.04
.80	-4.8	-14.03
.85	-4.9	-14.00
.90	-4.8	-14.01
.95	-4.9	-13.98
2405.00	-4.9	-14.01
.05	-5.0	-14.02
.10	-5.1	-14.05
.15	-5.2	-14.06
.20	-5.6	-14.07
.25	-5.7	-14.03
.30	-5.6	-14.05
.35	-5.5	-14.07
.40	-5.7	-14.02
.45	-5.9	-14.09
.50	-6.0	-14.10
.55	-6.1	-14.09
.60	-6.2	-14.08
.65	-6.3	-14.02
.70	-6.4	-14.01
.75	-6.6	-13.97
.80	-6.6	-13.97
.85	-6.8	-13.94
.90	-6.9	-13.93
.95	-7.0	-13.92

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2406.00	-7.1	-13.90
.05	-6.9	-13.91
.10	-6.8	-13.89
.15	-6.7	-13.84
.20	-6.4	-13.85
.25	-6.3	-13.83
.30	-6.2	-13.82
.35	-6.1	-13.81
.40	-6.0	-13.81
.45	-5.8	-13.80
.50	-5.7	-13.79
.55	-5.7	-13.76
.60	-5.5	-13.77
.65	-5.4	-13.74
.70	-5.3	-13.73
.75	-5.4	-13.71
.80	-5.5	-13.72
.85	-5.5	-13.74
.90	-5.6	-13.70
.95	-5.9	-13.79
2407.00	-6.0	-13.81
.05	-6.1	-13.80
.10	-6.2	-13.82
.15	-6.1	-13.83
.20	-6.3	-13.85
.25	-6.3	-13.86
.30	-6.5	-13.87
.35	-6.6	-13.88
.40	-6.2	-13.89
.45	-6.1	-13.90
.50	-6.3	-13.93
.55	-6.4	-13.84
.60	-6.5	-13.91
.65	-6.6	-13.93
.70	-6.5	-13.94
.75	-6.4	-13.95
.80	-6.3	-13.96
.85	-6.2	-13.97
.90	-6.2	-13.99
.95	-6.4	-13.97

* Channel: 1

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2408.00	-6.5	-13.96
.05	-6.7	-13.95
.10	-6.9	-13.96
.15	-7.4	-13.97
.20	-7.8	-13.99
.25	-7.9	-13.98
.30	-7.8	-13.99
.35	-8.0	-14.01
.40	-8.2	-14.02
.45	-8.3	-14.05
.50	-8.1	-14.06
.55	-8.4	-14.09
.60	-8.4	-14.10
.65	-8.5	-14.12
.70	-8.8	-14.13
.75	-8.9	-14.14
.80	-9.2	-14.15
.85	-9.1	-14.17
.90	-8.9	-14.16
.95	-8.8	-14.19
2409.00	-8.3	-14.21
.05	-7.6	-14.22
.10	-7.6	-14.18
.15	-7.4	-14.17
.20	-7.3	-14.16
.25	-7.1	-14.15
.30	-7.2	-14.14
.35	-7.2	-14.11
.40	-7.1	-14.09
.45	-6.8	-14.06
.50	-6.7	-14.05
.55	-6.5	-14.04
.60	-6.1	-14.04
.65	-5.8	-14.03
.70	-5.7	-14.01
.75	-5.5	-13.98
.80	-5.0	-13.96
.85	-4.9	-13.95
.90	-4.8	-13.98
.95	-4.6	-13.94

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2410.00	-4.0	-13.96
.05	-4.7	-13.95
.10	-4.9	-13.98
.15	-5.2	-14.01
.20	-5.4	-14.03
.25	-5.5	-14.00
.30	-5.9	-13.99
.35	-6.2	-14.06
.40	-6.3	-14.07
.45	-6.3	-14.08
.50	-6.1	-14.10
.55	-6.2	-14.11
.60	-6.3	-14.13
.65	-6.9	-14.14
.70	-7.2	-14.16
.75	-7.3	-14.17
.80	-7.5	-14.20
.85	-7.6	-14.23
.90	-7.7	-14.22
.95	-7.9	-14.21
2411.00	-7.2	-14.16
.05	-7.4	-14.17
.10	-7.5	-14.18
.15	-8.1	-14.20
.20	-8.2	-14.22
.25	-8.3	-14.23
.30	-8.4	-14.25
.35	-8.9	-14.27
.40	-8.8	-14.29
.45	-8.6	-14.32
.50	-8.7	-14.33
.55	-8.3	-14.34
.60	-8.2	-14.34
.65	-8.1	-14.37
.70	-8.0	-14.39
.75	-7.9	-14.40
.80	-7.9	-14.42
.85	-7.8	-14.43
.90	-8.0	-14.41
.95	-8.1	-14.44

*** Channel: 1**

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
241200	-8.0	-14.39
.05	-7.9	-14.38
.10	-7.7	-14.41
.15	-7.4	-14.35
.20	-7.3	-14.33
.25	-7.1	-14.30
.30	-6.9	-14.26
.35	-6.6	-14.25
.40	-5.3	-14.24
.45	-5.9	-14.23
.50	-6.1	-14.21
.55	-5.8	-14.20
.60	-6.1	-14.18
.65	-5.9	-14.15
.70	-6.1	-14.13
.75	-6.2	-14.14
.80	-6.3	-14.12
.85	-4.9	-14.11
.90	-4.8	-14.09
.95	-4.6	-14.06
2413.00	-4.3	-14.04
.05	-3.9	-14.05
.10	-3.8	-14.06
.15	-3.7	-14.07
.20	-4.2	-14.10
.25	-4.4	-14.11
.30	-4.5	-14.01
.35	-5.1	-14.06
.40	-5.3	-14.09
.45	-5.6	-14.10
.50	-6.1	-14.14
.55	-6.2	-14.17
.60	-7.2	-14.19
.65	-7.3	-14.20
.70	-7.9	-14.21
.75	-8.1	-14.22
.80	-8.2	-14.23
.85	-8.3	-14.25
.90	-8.4	-14.25
.95	-8.5	-14.28

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2414.00	-8.4	-14.25
.05	-8.3	-14.23
.10	-8.2	-14.23
.15	-8.0	-14.16
.20	-8.4	-14.20
.25	-8.2	-14.22
.30	-8.6	-14.21
.35	-8.7	-14.18
.40	-8.1	-14.17
.45	-7.9	-14.14
.50	-8.6	-14.14
.55	-8.3	-14.13
.60	-8.1	-14.12
.65	-7.9	-14.11
.70	-7.5	-14.08
.75	-7.4	-14.07
.80	-7.3	-14.05
.85	-7.6	-14.06
.90	-7.2	-14.03
.95	-6.9	-14.04
2415.00	-6.8	-14.02
.05	-6.7	-14.06
.10	-6.3	-13.98
.15	-6.2	-14.00
.20	-6.1	-14.02
.25	-5.9	-14.03
.30	-5.7	-14.05
.35	-5.8	-14.06
.40	-5.6	-14.07
.45	-5.4	-14.08
.50	-5.7	-14.09
.55	-6.1	-14.11
.60	-6.2	-14.14
.65	-6.3	-14.15
.70	-6.4	-14.17
.75	-6.7	-14.15
.80	-6.9	-14.16
.85	-7.1	-14.16
.90	-7.0	-14.18
.95	-7.3	-14.19

* Channel: 1

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2416.00	-7.1	-14.18
.05	-7.2	-14.21
.10	-7.0	-14.20
.15	-6.9	-14.20
.20	-6.4	-14.23
.25	-6.1	-14.24
.30	-6.3	-14.26
.35	-6.9	-14.25
.40	-7.2	-14.27
.45	-7.1	-14.27
.50	-7.2	-14.28
.55	-7.0	-14.29
.60	-7.0	-14.30
.65	-7.8	-14.31
.70	-7.6	-14.34
.75	-7.9	-14.33
.80	-8.2	-14.36
.85	-8.3	-14.37
.90	-8.7	-14.38
.95	-8.6	-14.41
2417.00	-8.8	-14.40
.05	-8.9	-14.39
.10	-8.6	-14.35
.15	-7.9	-14.41
.20	-7.8	-14.40
.25	-7.5	-14.41
.30	-7.1	-14.40
.35	-6.4	-14.39
.40		-14.38
.45		-14.39
.50		-14.36
.55		-14.35
.60		-14.34
.65		-14.33
.70		-14.32
.75		-14.31
.80		-14.32
.85		-14.34
.90		-14.37
.95		-14.36

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
.00		
.05		
.10		
.15		
.20		
.25		
.30		
.35		
.40		
.45		
.50		
.55		
.60		
.65		
.70		
.75		
.80		
.85		
.90		
.95		
.00		
.05		
.10		
.15		
.20		
.25		
.30		
.35		
.40		
.45		
.50		
.55		
.60		
.65		
.70		
.75		
.80		
.85		
.90		
.95		

* Channel: 1

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
.00		
.05		
.10		
.15		
.20		
.25		
.30		
.35		
.40		
.45		
.50		
.55		
.60		
.65		
.70		
.75		
.80		
.85		
.90		
.95		
2417.00		-14.40
.05		-14.39
.10		-14.35
.15		-14.41
.20		-14.40
.25		-14.41
.30		-14.40
.35		-14.39
.40	-6.3	-14.38
.45	-6.5	-14.39
.50	-6.6	-14.36
.55	-6.3	-14.35
.60	-6.1	-14.34
.65	-6.0	-14.33
.70	-5.9	-14.32
.75	-5.8	-14.31
.80	-5.7	-14.32
.85	-5.8	-14.34
.90	-5.2	-14.37
.95	-5.3	-14.36

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2418.00	-5.2	-14.36
.05	-5.1	-14.36
.10	-4.9	-14.35
.15	-4.8	-14.34
.20	-4.7	-14.33
.25	-4.5	-14.32
.30	-4.4	-14.31
.35	-4.6	-14.30
.40	-4.6	-14.30
.45	-4.1	-14.29
.50	-3.9	-14.34
.55	-4.0	-14.29
.60	-3.8	-14.28
.65	-3.6	-14.27
.70	-3.5	-14.26
.75	-3.4	-14.24
.80	-3.2	-14.24
.85	-3.1	-14.25
.90	-3.3	-14.24
.95	-3.2	-14.28
2419.00	-3.1	-14.29
.05	-3.2	-14.28
.10	-3.0	-14.30
.15	-2.9	-14.31
.20	-2.8	-14.29
.25	-3.2	-14.28
.30	-3.4	-14.28
.35	-3.1	-14.27
.40	-3.2	-14.26
.45	-3.3	-14.30
.50	-3.3	-14.29
.55	-3.1	-14.29
.60	-3.2	-14.28
.65	-3.1	-14.27
.70	-2.9	-14.26
.75	-2.8	-14.26
.80	-2.7	-14.25
.85	-2.7	-14.26
.90	-2.6	-14.27
.95	-2.8	-14.26

*** Channel: 1**

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2420.00	-2.9	-14.26
.05	-2.8	-14.19
.10	-2.7	-14.22
.15	-2.8	-14.24
.20	-2.6	-14.23
.25	-2.4	-14.22
.30	-2.3	-14.20
.35	-2.2	-14.21
.40	-2.1	-14.18
.45	-1.4	-14.19
.50	-1.3	-14.18
.55	-1.2	-14.17
.60	-1.0	-14.16
.65	-0.9	-14.09
.70	-0.3	-14.15
.75	-0.6	-14.12
.80	-0.2	-14.11
.85	-0.1	-14.09
.90	0.6	-14.07
.95	0.7	-14.06
2421.00	0.7	-14.11
.05	0.9	-14.08
.10	1.0	-14.07
.15	1.1	-14.05
.20	1.3	-14.06
.25	1.5	-14.03
.30	1.6	-14.02
.35	1.6	-14.01
.40	1.7	-13.99
.45	1.6	-13.97
.50	1.9	-13.90
.55	2.0	-13.95
.60	2.8	-13.98
.65	2.6	-13.97
.70	2.7	-13.97
.75	2.8	-13.96
.80	2.9	-13.93
.85	3.2	-13.92
.90	3.3	-13.90
.95	3.5	-13.89

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2422.00	3.6	-13.91
.05	3.6	-13.90
.10	3.7	-13.88
.15	3.7	-13.85
.20	3.6	-13.86
.25	3.5	-13.84
.30	3.5	-13.83
.35	3.4	-13.81
.40	3.6	-13.80
.45	3.7	-13.79
.50	3.8	-13.82
.55	3.9	-13.81
.60	4.4	-13.80
.65	4.9	-13.77
.70	5.6	-13.76
.75	5.9	-13.75
.80	5.3	-13.79
.85	5.4	-13.74
.90	5.5	-13.77
.95	5.6	-13.76
2423.00	5.9	-13.77
.05	6.2	-13.76
.10	6.4	-13.76
.15	6.4	-13.76
.20	6.7	-13.74
.25	6.8	-13.73
.30	6.9	-13.75
.35	6.9	-13.74
.40	7.0	-13.73
.45	7.2	-13.72
.50	7.4	-13.71
.55	7.6	-13.78
.60	7.7	-13.79
.65	8.1	-13.74
.70	8.2	-13.75
.75	8.3	-13.77
.80	8.4	-13.77
.85	8.6	-13.74
.90	8.9	-13.76
.95	8.9	-13.76

* Channel: 1

Center Frequency: 2412MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
.00		
.05		
.10		
.15		
.20		
.25		
.30		
.35		
.40		
.45		
.50		
.55		
.60		
.65		
.70		
.75		
.80		
.85		
.90		
.95		
2424.00	9.6	-13.74
.05	9.3	-13.75
.10	9.9	-13.73
.15	10.1	-13.73
.20	10.6	-13.72
.25	10.7	-13.73
.30	10.9	-13.74
.35	11.2	-13.75
.40	12.3	-13.73
.45	12.8	-13.71
.50	13.1	-13.73
.55	13.4	-13.72
.60	14.1	-13.72
.65	14.5	-13.69
.70	15.1	-13.71
.75	16.2	-13.71
.80	16.2	-13.71
.85	16.2	-13.71
.90	16.2	-13.72
.95	16.2	-13.72

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
.00		
.05		
.10		
.15		
.20		
.25		
.30		
.35		
.40		
.45		
.50		
.55		
.60		
.65		
.70		
.75		
.80		
.85		
.90		
.95		
.00		
.05		
.10		
.15		
.20		
.25		
.30		
.35		
.40		
.45		
.50		
.55		
.60		
.65		
.70		
.75		
.80		
.85		
.90		
.95		

* Channel: 6

* Center frequency: 2437MHz

* Test step: 50KHz/step

* Test range: 2426.00MHz to 2449.95MHz

* Test condition

TX	ON	ON	OFF
Jamming	OFF	ON	ON
dBm	-14.71	-12.76	Below table

Processing Gain = $(S/N)_0 + M_j + L_{sys} \geq 10\text{dB}$

$(S/N)_0$: when BER is less than or equal 10^{-5} , the $(S/N)_0$ is 9.8dB for BPSK

L_{sys} : $-12.76 - (-14.71) = 1.95\text{dB}$

$M_j = J/S$, $S = -14.71\text{dBm}$

If J is over -16.46dBm , Processing Gain (PG) will over 10dB

* Test result: all J signals are over -16.46dBm
so, all PG $\geq 10\text{dB}$

* Channel: 6

Center Frequency: 2437MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2426.00	2.7	-13.85
.05	2.3	-13.86
.10	2.1	-13.84
.15	2.0	-13.82
.20	1.9	-13.81
.25	1.7	-13.80
.30	1.6	-13.77
.35	1.5	-13.77
.40	1.4	13.75
.45	1.2	-13.74
.50	1.2	-13.73
.55	1.3	-13.72
.60	1.1	-13.71
.65	0.8	-13.64
.70	0.6	-13.69
.75	0.7	-13.68
.80	0.6	-13.67
.85	0.5	-13.65
.90	0.5	-13.63
.95	0.2	-13.67
2427.00	0.3	-13.63
.05	0.5	-13.64
.10	0.5	-13.67
.15	0.6	-13.69
.20	0.6	-13.70
.25	0.6	-13.71
.30	0.5	-13.71
.35	0.2	-13.71
.40	0.1	-13.72
.45	0.1	-13.75
.50	-0.2	-13.76
.55	-0.3	-13.68
.60	-0.4	-13.74
.65	-0.5	-13.77
.70	-0.5	-13.79
.75	-0.9	-13.80
.80	-0.8	-13.81
.85	-1.0	-13.82
.90	-1.2	-13.84
.95	-1.4	-13.82

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2428.00	-0.6	-13.81
.05	-0.6	-13.77
.10	-0.6	-13.79
.15	-0.8	-13.80
.20	-1.1	-13.81
.25	-1.4	-13.82
.30	-1.7	-13.84
.35	-1.6	-13.85
.40	-2.2	-13.87
.45	-2.5	-13.83
.50	-2.4	-13.88
.55	-2.6	-13.89
.60	-2.9	-13.90
.65	-3.1	-13.91
.70	-3.2	-13.93
.75	-3.3	-13.92
.80	-3.5	-13.94
.85	-3.9	-13.94
.90	-3.9	-13.93
.95	-4.2	-13.90
2429.00	-4.2	-13.94
.05	-4.3	-13.93
.10	-4.7	-13.95
.15	-4.8	-13.97
.20	-4.9	-13.98
.25	-5.0	-13.99
.30	-5.0	-13.96
.35	-5.1	-14.02
.40	-5.1	-14.03
.45	-5.2	-14.04
.50	-5.4	-14.05
.55	-5.5	-14.06
.60	-5.7	-14.07
.65	-5.7	-14.07
.70	-6.0	-14.08
.75	-6.0	-14.09
.80	-6.1	-14.11
.85	-6.3	-14.13
.90	-6.2	-14.14
.95	-6.2	-14.15

* Channel: 6

Center Frequency: 2437MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2430.00	-6.0	-14.18
.05	-6.1	-14.19
.10	-6.2	-14.20
.15	-6.3	-14.16
.20	-6.2	-14.20
.25	-6.2	-14.21
.30	-6.3	-14.22
.35	-6.2	-14.19
.40	-6.4	-14.16
.45	-6.5	-14.14
.50	-6.6	-14.16
.55	-6.7	-14.17
.60	-6.8	-14.18
.65	-6.9	-14.19
.70	-6.8	-14.20
.75	-7.2	-14.21
.80	-7.0	-14.22
.85	-7.1	-14.23
.90	-7.2	-14.24
.95	-7.4	-14.19
2431.00	-7.5	-14.19
.05	-7.5	-14.18
.10	-7.6	-14.19
.15	-7.6	-14.20
.20	-7.7	-14.21
.25	-7.4	-14.21
.30	-7.1	-14.24
.35	-7.0	-14.23
.40	-6.9	-14.25
.45	-6.8	-14.26
.50	-6.9	-14.27
.55	-7.0	-14.25
.60	-6.8	-14.28
.65	-6.8	-14.29
.70	-6.4	-14.30
.75	-6.6	-14.31
.80	-6.9	-14.32
.85	-7.0	-14.33
.90	-7.1	-14.35
.95	-7.3	-14.34

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2432.00	-7.2	-14.34
.05	-7.2	-14.37
.10	-7.3	-14.38
.15	-7.4	-14.38
.20	-7.2	-14.39
.25	-7.1	-14.41
.30	-7.3	-14.42
.35	-6.9	-14.43
.40	-7.0	-14.45
.45	-6.9	-14.46
.50	-7.0	-14.47
.55	-7.0	-14.48
.60	-6.8	-14.48
.65	-6.9	-14.48
.70	-6.4	-14.51
.75	-6.8	-14.46
.80	-6.7	-14.50
.85	-6.8	-14.52
.90	-6.9	-14.53
.95	-6.9	-14.53
2433.00	-6.8	-14.50
.05	-6.8	-14.54
.10	-6.9	-14.52
.15	-7.2	-14.54
.20	-7.2	-14.55
.25	-7.1	-14.56
.30	-7.4	-14.57
.35	-7.5	-14.58
.40	-7.5	-14.59
.45	-7.6	-14.60
.50	-7.5	-14.61
.55	-7.9	-14.61
.60	-8.0	-14.62
.65	-7.8	-14.63
.70	-7.8	-14.60
.75	-7.9	-14.60
.80	-8.1	-14.58
.85	-8.2	-14.59
.90	-8.4	-14.63
.95	-8.8	-14.64

* Channel: 6

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2434.00	-9.2	-14.62
.05	-9.1	-14.63
.10	-9.3	-14.60
.15	-9.3	-14.57
.20	-9.4	-14.58
.25	-9.5	-14.55
.30	-9.6	-14.54
.35	-9.4	-14.53
.40	-9.1	-14.52
.45	-9.0	-14.51
.50	-8.8	-14.50
.55	-8.8	-14.49
.60	-8.8	-14.48
.65	-8.8	-14.47
.70	8.4	-14.46
.75	-7.9	-14.44
.80	-7.9	-14.43
.85	-7.6	-14.41
.90	-7.5	-14.42
.95	-7.2	-14.40
2435.00	-6.9	-14.40
.05	-6.9	-14.44
.10	-6.8	-14.39
.15	-6.8	-14.38
.20	-6.9	-14.37
.25	-6.8	-14.36
.30	-6.7	-14.35
.35	-6.6	-14.35
.40	-6.7	-14.35
.45	-6.7	-14.35
.50	-6.7	-14.33
.55	-6.6	-14.32
.60	-6.6	-14.30
.65	-6.8	-14.27
.70	-6.9	-14.25
.75	-6.8	-14.26
.80	-6.9	14.28
.85	-6.9	-14.25
.90	-6.5	-14.26
.95	-6.5	-14.31

Center Frequency: 2437MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2436.00	-6.5	-14.31
.05	-6.4	-14.32
.10	-6.4	-14.33
.15	-6.4	-14.35
.20	-6.5	-14.37
.25	-6.6	-14.38
.30	-6.8	-14.39
.35	-6.9	-14.40
.40	-7.2	-14.36
.45	-7.3	-14.39
.50	-7.5	-14.40
.55	-7.4	-14.41
.60	-7.9	-14.42
.65	-7.8	-14.43
.70	-7.8	-14.44
.75	-8.5	-14.44
.80	-8.4	-14.41
.85	-8.6	-14.42
.90	-8.8	-14.43
.95	-9.0	-14.42
2437.00	-9.1	-14.42
.05	-9.0	-14.43
.10	-9.0	-14.40
.15	-9.0	-14.38
.20	-8.8	-14.37
.25	-8.7	-14.36
.30	-8.4	-14.35
.35	-8.2	-14.39
.40	-8.2	-14.34
.45	-8.1	-14.33
.50	-7.7	-14.32
.55	-7.4	-14.31
.60	-7.2	-14.30
.65	-7.0	-14.29
.70	-7.0	-14.28
.75	-7.3	-14.27
.80	-7.4	-14.26
.85	-7.4	-14.25
.90	-6.8	-14.24
.95	-6.5	-14.20

* Channel: 6

Center Frequency: 2437MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2438.00	-6.0	-14.19
.05	-6.0	-14.21
.10	-5.8	-14.18
.15	-5.6	-14.22
.20	-5.6	-14.23
.25	-5.7	-14.24
.30	-5.4	-14.25
.35	-5.8	-14.26
.40	-6.0	-14.27
.45	-6.0	-14.28
.50	-6.4	-14.29
.55	-6.3	-14.31
.60	-6.5	-14.32
.65	-6.7	-14.34
.70	-7.0	-14.35
.75	-7.1	-14.33
.80	-7.4	-14.33
.85	-7.6	-14.37
.90	-7.6	-14.35
.95	-7.9	-14.38
2439.00	-8.0	-14.36
.05	-7.9	-14.37
.10	-8.0	-14.34
.15	-8.1	-14.34
.20	-8.3	-14.33
.25	-8.4	-14.32
.30	-8.7	-14.31
.35	-9.0	-14.26
.40	-9.2	-14.30
.45	-9.3	-14.28
.50	-9.8	-14.27
.55	-9.8	-14.22
.60	-9.9	-14.20
.65	-9.8	-14.16
.70	-9.8	-14.15
.75	-9.8	-14.11
.80	-9.8	-14.10
.85	-9.7	-14.12
.90	-9.4	-14.09
.95	-9.4	-14.12

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2440.00	-9.3	-14.10
.05	-9.3	-14.16
.10	-9.0	-14.14
.15	-8.8	-14.11
.20	-8.6	-14.08
.25	-8.6	-14.07
.30	-8.2	-14.05
.35	-8.0	-14.03
.40	-8.0	-14.02
.45	-8.1	-13.99
.50	-8.0	-13.98
.55	-8.0	-13.97
.60	-7.7	-13.96
.65	-7.8	-13.95
.70	-7.7	-13.97
.75	-7.7	-13.99
.80	-7.3	-14.01
.85	-7.4	-13.97
.90	-7.0	-13.96
.95	-7.1	-13.96
2441.00	-6.9	-13.90
.05	-6.7	-13.90
.10	-6.5	-13.91
.15	-6.6	-13.87
.20	-6.4	-13.86
.25	-6.3	-13.83
.30	-6.2	-13.82
.35	-6.6	-13.80
.40	-6.6	-13.80
.45	-6.8	-13.79
.50	-7.4	-13.79
.55	-7.3	-13.76
.60	-7.3	-13.76
.65	-7.5	-13.75
.70	-7.5	-13.74
.75	-7.5	-13.73
.80	-7.5	-13.71
.85	-7.7	-13.70
.90	-7.8	-13.72
.95	-7.8	-13.71

*** Channel: 6**

Center Frequency: 2437MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2442.00	-7.9	-13.72
.05	-8.0	-13.69
.10	-8.1	-13.68
.15	-8.2	-13.70
.20	-8.5	-13.71
.25	-8.3	-13.67
.30	-8.2	-13.66
.35	-8.1	-13.64
.40	-8.1	-13.62
.45	-8.0	-13.61
.50	-7.9	-13.59
.55	-7.8	-13.58
.60	-7.7	-13.57
.65	-7.7	-13.56
.70	-7.2	-13.55
.75	-7.2	-13.53
.80	-7.2	-13.52
.85	-7.6	-13.55
.90	-7.4	-13.51
.95	-7.5	-13.50
2443.00	-7.6	-13.55
.05	-7.6	-13.54
.10	-7.5	-13.53
.15	-7.6	-13.51
.20	-7.2	-13.50
.25	-7.4	-13.49
.30	-7.0	-13.48
.35	-6.9	-13.47
.40	-7.2	-13.46
.45	-6.7	-13.44
.50	-6.6	-13.43
.55	-6.4	-13.40
.60	-6.2	-13.39
.65	-6.3	-13.41
.70	-6.2	-13.38
.75	-6.3	-13.37
.80	-6.0	-13.36
.85	-5.9	-13.35
.90	-5.7	-13.33
.95	-5.8	-13.36

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2444.00	-5.9	-13.37
.05	-6.0	-13.36
.10	-6.0	-13.35
.15	-6.1	-13.34
.20	-6.0	-13.33
.25	-5.4	-13.32
.30	-5.6	-13.31
.35	-5.7	-13.31
.40	-5.3	-13.33
.45	-5.6	-13.30
.50	-5.5	-13.27
.55	-4.9	-13.29
.60	-5.1	-13.25
.65	-5.2	-13.24
.70	-4.8	-13.20
.75	-4.4	-13.18
.80	-4.7	-13.17
.85	-4.7	-13.21
.90	-4.2	-13.20
.95	-4.6	-13.19
2445.00	-4.8	-13.19
.05	-4.8	-13.21
.10	-5.0	-13.18
.15	-5.1	-13.19
.20	-4.9	-13.17
.25	-5.0	-13.14
.30	-5.0	-13.15
.35	-4.8	-13.12
.40	-4.2	-13.10
.45	-4.2	-13.11
.50	-4.0	-13.09
.55	-3.7	-13.08
.60	-3.5	-13.07
.65	-3.3	-13.06
.70	-3.2	-13.05
.75	-3.2	-13.04
.80	-3.0	-13.03
.85	-2.5	-13.04
.90	-2.6	-13.05
.95	-2.5	-13.09

* Channel: 6

Center Frequency: 2437MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2446.00	-2.0	-13.08
.05	-1.9	-13.10
.10	-1.9	-13.11
.15	-1.7	-13.09
.20	-1.5	-13.07
.25	-1.4	-13.06
.30	-1.4	-13.05
.35	-1.3	-13.03
.40	-1.0	-13.04
.45	-0.8	-13.04
.50	-0.4	-13.03
.55	-0.4	-13.02
.60	-0.5	-13.07
.65	-0.1	-13.05
.70	0.3	-13.06
.75	0.3	-13.07
.80	0.5	-13.06
.85	0.7	-13.01
.90	0.7	-13.00
.95	0.9	-13.11
2447.00	1.0	-13.10
.05	1.0	-13.10
.10	1.2	-13.08
.15	1.1	-13.11
.20	1.3	-13.10
.25	1.4	-13.12
.30	1.5	-13.07
.35	1.3	-13.07
.40	1.7	-13.06
.45	1.9	-13.05
.50	2.4	-13.05
.55	2.4	-13.04
.60	2.4	-13.06
.65	2.3	-13.08
.70	2.7	-13.09
.75	2.9	-13.07
.80	3.2	-13.06
.85	3.5	-13.05
.90	3.5	-13.10
.95	3.7	-13.09

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2448.00	3.8	-13.06
.05	4.0	-13.07
.10	4.4	-14.04
.15	4.3	-13.03
.20	4.5	-13.02
.25	4.7	-13.00
.30	4.9	-12.98
.35	5.2	-12.96
.40	5.3	-13.05
.45	5.4	-12.97
.50	5.5	-12.96
.55	5.6	-12.95
.60	5.5	-12.94
.65	5.6	-12.93
.70	5.8	-13.92
.75	6.0	-13.91
.80	6.2	-12.90
.85	6.1	-12.88
.90	6.5	-12.93
.95	6.3	-12.91
2449.00	6.4	-12.92
.05	8.2	-12.98
.10	8.6	-12.90
.15	8.9	-12.89
.20	9.5	-12.87
.25	9.9	-12.86
.30	10.9	-12.84
.35	12.5	-12.85
.40	14.1	-12.84
.45	15.4	-12.83
.50	15.3	-12.82
.55	15.6	-12.80
.60	18.9	-12.79
.65	19.2	-12.78
.70	19.9	-12.78
.75	20.8	-12.77
.80	20.9	-12.77
.85	21.1	-12.77
.90	21.3	-12.77
.95	20.9	-12.76

* Channel: 11

* Center frequency: 2462MHz

* Test step: 50KHz/step

* Test range: 2451.00MHz to 2474.95MHz

* Test condition

TX	ON	ON	OFF
Jamming	OFF	ON	ON
dBm	-14.98	-13.07	Below table

Processing Gain = $(S/N)_0 + M_j + L_{sys} \geq 10\text{dB}$

$(S/N)_0$: when BER is less than or equal 10^{-5} , the $(S/N)_0$ is 9.8dB for BPSK

L_{sys} : $-13.07 - (-14.98) = 1.91\text{dB}$

$M_j = J/S$, $S = -14.98\text{dBm}$

If J is over -16.69dBm , Processing Gain (PG) will over 10dB

* Test result: all J signals are over -16.69dBm
so, all PG $\geq 10\text{dB}$

*** Channel: 11**

Center Frequency: 2462MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2451.00	4.6	-13.41
.05	4.6	-13.42
.10	4.2	-13.44
.15	4.1	-13.45
.20	4.3	-13.46
.25	4.2	-13.48
.30	4.0	-13.49
.35	3.5	-13.50
.40	3.4	-13.51
.45	3.4	-13.53
.50	3.5	-13.55
.55	3.0	-13.54
.60	2.9	-13.56
.65	2.8	-13.58
.70	2.8	-13.59
.75	2.8	-13.61
.80	2.4	-13.58
.85	2.5	-13.60
.90	2.4	-13.59
.95	2.3	-13.60
2452.00	2.4	-13.58
.05	2.7	-13.59
.10	2.7	-13.60
.15	2.7	-13.61
.20	2.4	-13.62
.25	2.5	-13.63
.30	2.4	-13.64
.35	2.4	-13.66
.40	2.1	-13.67
.45	2.3	-13.68
.50	2.0	-13.69
.55	2.0	-13.67
.60	1.9	-13.68
.65	1.7	-13.69
.70	1.7	-13.70
.75	1.4	-13.71
.80	1.5	-13.62
.85	1.3	-13.69
.90	1.2	-13.73
.95	1.1	-13.70

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2453.00	0.8	-13.72
.05	0.8	-13.71
.10	0.7	-13.73
.15	0.8	-13.74
.20	0.7	-13.76
.25	0.6	-13.77
.30	0.7	-13.80
.35	0.6	-13.76
.40	0.3	-13.81
.45	0.2	-13.81
.50	0.1	-13.79
.55	0.1	-13.83
.60	0.1	-13.83
.65	-0.2	-13.86
.70	-0.4	-13.87
.75	-0.4	-13.88
.80	-0.6	-13.89
.85	-0.8	-13.90
.90	-1.0	-13.92
.95	-1.4	-13.91
2454.00	-1.5	-13.93
.05	-1.6	-13.94
.10	-1.7	-13.94
.15	-1.8	-13.92
.20	-1.9	-13.95
.25	-2.0	-13.96
.30	-2.2	-13.97
.35	-2.1	-13.99
.40	-2.1	-14.00
.45	-2.4	-14.02
.50	-2.3	-14.03
.55	-2.4	-14.04
.60	-2.5	-14.06
.65	-2.6	-14.07
.70	-2.7	-14.01
.75	-2.8	-14.09
.80	-2.9	-14.08
.85	-3.0	-14.11
.90	-3.0	-14.13
.95	-3.1	-14.12

* Channel: 11

Center Frequency: 2462MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2455.00	-2.9	-14.11
.05	-3.3	-14.10
.10	-3.2	-14.09
.15	-3.3	-14.11
.20	-3.4	-14.12
.25	-3.5	-14.12
.30	-3.5	-14.13
.35	-3.7	-14.14
.40	-3.6	-14.13
.45	-3.6	-14.09
.50	-3.6	-14.08
.55	-3.5	-14.12
.60	-3.8	-14.13
.65	-3.9	-14.14
.70	-3.9	-14.13
.75	-3.9	-14.13
.80	-4.0	-14.11
.85	-4.2	-14.10
.90	-4.2	-14.12
.95	-4.3	-14.13
2456.00	-4.3	-14.12
.05	-4.1	-14.11
.10	-3.9	-14.11
.15	-3.9	-14.12
.20	-4.0	-14.13
.25	-3.8	-14.14
.30	-3.8	-14.15
.35	-3.7	-14.09
.40	-3.4	-14.16
.45	-3.4	-14.15
.50	-3.4	-14.18
.55	-3.3	-14.19
.60	-3.2	-14.16
.65	-3.5	-14.17
.70	-3.3	-14.12
.75	-3.2	-14.16
.80	-3.3	-14.17
.85	-3.4	-14.18
.90	-3.7	-14.19
.95	-3.7	-14.19

Jamming Frcquency (MHz)	Jamming Power (dBm)	Signal power
2457.00	-3.7	-14.20
.05	-3.9	-14.16
.10	-3.9	-14.17
.15	-4.0	-14.18
.20	-4.1	-14.19
.25	-4.2	-14.21
.30	-4.3	-14.22
.35	-4.0	-14.23
.40	-4.0	-14.24
.45	-4.3	-14.25
.50	-3.9	-14.26
.55	-3.8	-14.26
.60	-3.8	-14.28
.65	-3.7	-14.25
.70	-3.7	-14.27
.75	-3.6	-14.29
.80	-3.8	-14.30
.85	-3.9	-14.31
.90	-4.0	-14.32
.95	-4.1	-14.31
2458.00	-4.1	-14.31
.05	-4.1	-14.32
.10	-4.2	-14.29
.15	-4.4	-14.26
.20	-4.4	-14.27
.25	-4.5	-14.26
.30	-4.6	-14.25
.35	-4.7	-14.24
.40	-4.7	-14.23
.45	-4.7	-14.19
.50	-4.6	-14.21
.55	-4.9	-14.20
.60	-4.9	-14.17
.65	-5.2	-14.16
.70	-5.3	-14.15
.75	-5.3	-14.14
.80	-5.4	-14.13
.85	-5.5	-14.11
.90	-5.6	-14.08
.95	-5.6	-14.10

* Channel: 11

Center Frequency: 2462MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2459.00	-5.6	-14.10
.05	-5.7	-14.07
.10	-5.6	-14.08
.15	-5.4	-14.09
.20	-5.3	-14.12
.25	-5.2	-14.13
.30	-5.2	-14.14
.35	-5.3	-14.14
.40	-5.0	-14.16
.45	-4.9	-14.18
.50	-4.9	-13.13
.55	-4.4	-13.18
.60	-3.9	-14.20
.65	-4.0	-14.17
.70	-3.7	-14.18
.75	-3.6	-14.19
.80	-3.5	-14.19
.85	-3.2	-14.21
.90	-3.1	-14.18
.95	-3.0	-14.19
2460.00	-2.9	-14.19
.05	-2.8	-14.15
.10	-3.0	-14.16
.15	-3.2	-14.21
.20	-3.3	-14.22
.25	-3.4	-14.23
.30	-3.5	-14.14
.35	-3.5	-14.25
.40	-3.4	-14.25
.45	-3.2	-14.27
.50	-3.5	-14.29
.55	-3.3	-14.30
.60	-3.3	-14.31
.65	-3.0	-14.32
.70	-2.9	-14.33
.75	-3.1	-14.35
.80	-3.3	-14.37
.85	-3.0	-14.36
.90	-2.8	-14.34
.95	-2.6	-14.36

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2461.00	-2.4	-14.36
.05	-2.6	-14.35
.10	-2.7	-14.35
.15	-2.8	-14.36
.20	-3.0	-14.33
.25	-3.3	-14.31
.30	-3.7	-14.30
.35	-3.7	-14.29
.40	-3.8	-14.28
.45	-4.2	-14.24
.50	-4.5	-14.23
.55	-4.6	-14.22
.60	-4.4	-14.19
.65	-4.7	-14.18
.70	-4.9	-14.17
.75	-5.0	-14.13
.80	-5.3	-14.14
.85	-5.5	-14.10
.90	-5.4	-14.12
.95	-5.9	-14.11
2462.00	-5.7	-14.11
.05	-5.8	-14.11
.10	-5.6	-14.12
.15	-5.6	-14.10
.20	-5.4	-14.14
.25	-5.3	-14.15
.30	-5.2	-14.16
.35	-5.0	-14.17
.40	-4.9	-14.18
.45	-4.7	-14.19
.50	-4.3	-14.22
.55	-4.0	-14.21
.60	-3.7	-14.25
.65	-3.5	-14.26
.70	-3.2	-14.27
.75	-3.0	-14.28
.80	-2.8	-14.29
.85	-2.7	-14.33
.90	-2.7	-14.31
.95	-2.5	-14.32

* Channel: 11

Center Frequency: 2462MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2463.00	-2.3	-14.33
.05	-2.4	-14.34
.10	-2.0	-14.35
.15	-2.1	-14.36
.20	-2.0	-14.37
.25	-1.9	-14.38
.30	-2.4	-14.39
.35	-2.3	-14.41
.40	-2.5	-14.42
.45	-2.7	-14.43
.50	-2.8	-14.43
.55	-3.1	-14.43
.60	-3.3	-14.44
.65	-3.5	-14.49
.70	-3.7	-14.50
.75	-3.9	-14.52
.80	-4.0	-14.49
.85	-4.0	-14.53
.90	-4.2	-14.51
.95	-4.4	-14.54
2464.00	-4.7	-14.54
.05	-4.9	-14.55
.10	-5.2	-14.51
.15	-5.4	-14.50
.20	-5.7	-14.49
.25	-5.8	-14.48
.30	-5.8	-14.47
.35	-5.9	-14.46
.40	-6.0	-14.45
.45	-6.0	-14.44
.50	-6.4	-14.43
.55	-6.2	-14.42
.60	-6.5	-14.40
.65	-6.6	-14.39
.70	-6.7	-14.38
.75	-6.4	-14.40
.80	-6.2	-14.35
.85	-6.0	-14.37
.90	-6.0	-14.39
.95	-5.8	-14.36

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2465.00	-5.5	-14.37
.05	-5.4	-14.38
.10	-5.0	-14.39
.15	-5.1	-14.40
.20	-5.0	-14.41
.25	-4.7	-14.42
.30	-4.7	-14.43
.35	-4.3	-14.45
.40	-4.3	-14.47
.45	-4.0	-14.50
.50	-4.0	-14.51
.55	-3.8	-14.52
.60	-3.9	-14.55
.65	-4.0	-14.53
.70	-4.1	-14.56
.75	-4.3	-14.59
.80	-4.4	-14.57
.85	-4.5	-14.55
.90	-4.6	-14.58
.95	-4.6	-14.58
2466.00	-4.7	-14.58
.05	-4.3	-14.57
.10	-4.2	-14.55
.15	-4.5	-14.54
.20	-4.2	-14.51
.25	-4.3	-14.56
.30	-4.1	-14.49
.35	-4.3	-14.48
.40	-4.4	-14.47
.45	-4.4	-14.46
.50	-4.4	-14.43
.55	-4.8	-14.41
.60	-4.9	-14.40
.65	-5.0	-14.39
.70	-5.1	-14.38
.75	-5.1	-14.37
.80	-5.2	-14.36
.85	-5.3	-14.35
.90	-5.5	-14.34
.95	-5.8	-14.36

* Channel: 11

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2467.00	-5.7	-14.33
.05	-5.7	-14.33
.10	-5.8	-14.30
.15	-5.9	-14.29
.20	-5.4	-14.28
.25	-5.2	-14.27
.30	-5.0	-14.24
.35	-4.8	-14.22
.40	-4.9	-14.26
.45	-4.6	-14.21
.50	-4.5	-14.19
.55	-4.7	-14.18
.60	-4.3	-14.17
.65	-4.2	-14.16
.70	-4.0	-14.17
.75	-3.9	-14.15
.80	-3.9	-14.13
.85	-3.8	-14.10
.90	-3.8	-14.11
.95	-3.8	-14.11
2468.00	-3.9	-14.10
.05	-3.7	-14.09
.10	-3.7	-14.08
.15	-3.7	-14.07
.20	-3.6	-14.06
.25	-3.6	-14.03
.30	-3.5	-13.96
.35	-3.2	-13.98
.40	-3.3	-14.01
.45	-3.3	-14.00
.50	-3.1	-13.95
.55	-3.0	-13.94
.60	-2.9	-13.96
.65	-2.8	-13.93
.70	-2.7	-13.92
.75	-2.6	-13.92
.80	-2.2	-13.91
.85	-2.0	-13.90
.90	-2.1	-13.92
.95	-2.0	-13.94

Center Frequency: 2462MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2469.00	-2.4	-13.94
.05	-2.4	-13.93
.10	-2.3	-13.92
.15	-2.0	-13.91
.20	-2.2	-13.90
.25	-2.1	-13.88
.30	-2.2	-13.87
.35	-2.4	-13.86
.40	-2.5	-13.85
.45	-2.3	-13.84
.50	-2.0	-13.83
.55	-2.0	-13.86
.60	-1.9	-13.81
.65	-1.9	-13.80
.70	-1.8	-13.80
.75	-1.7	-13.79
.80	-1.6	-13.76
.85	-1.6	-13.77
.90	-1.2	-13.79
.95	-1.3	-13.78
2470.00	-1.4	-13.77
.05	-1.3	-13.76
.10	-1.5	-13.76
.15	-1.3	-13.75
.20	-1.2	-13.74
.25	-1.1	-13.73
.30	-1.2	-13.76
.35	-1.0	-13.71
.40	-0.9	-13.70
.45	-0.5	-13.69
.50	-0.3	-13.68
.55	-0.4	-13.67
.60	-0.1	-13.66
.65	-0.1	-13.65
.70	0.1	-13.64
.75	0.4	-13.62
.80	0.3	-13.61
.85	0.2	-13.58
.90	0.4	-13.59
.95	0.8	-13.55

*** Channel: 11**

Center Frequency: 2462MHz

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2471.00	0.9	-13.54
.05	1.0	-13.54
.10	1.2	-13.53
.15	1.3	-13.52
.20	1.5	-13.51
.25	1.4	-13.48
.30	1.6	-13.46
.35	1.8	-13.44
.40	2.2	-13.45
.45	2.4	-13.42
.50	2.8	-13.41
.55	3.2	-13.40
.60	3.4	-13.39
.65	3.5	-13.36
.70	3.3	-13.37
.75	3.2	-13.38
.80	3.7	-13.34
.85	3.6	-13.35
.90	3.9	-13.32
.95	4.4	-13.33
2472.00	4.9	-13.33
.05	5.1	-13.31
.10	5.3	-13.30
.15	5.7	-13.34
.20	5.6	-13.31
.25	5.9	-13.29
.30	6.0	-13.28
.35	6.0	-13.27
.40	6.1	-13.26
.45	6.4	-13.27
.50	6.5	-13.25
.55	6.7	-13.25
.60	6.9	-13.24
.65	7.2	-13.22
.70	7.2	-13.16
.75	7.3	-13.18
.80	7.4	-13.19
.85	7.5	-13.16
.90	7.7	-13.14
.95	8.2	-13.11

Jamming Frequency (MHz)	Jamming Power (dBm)	Signal power
2473.00	8.2	-13.12
.05	8.3	-13.10
.10	8.5	-13.09
.15	8.7	-13.12
.20	8.8	-13.14
.25	8.8	-13.15
.30	8.9	-13.16
.35	9.2	-13.17
.40	9.4	-13.18
.45	9.6	-13.19
.50	9.5	-13.20
.55	9.7	-13.18
.60	9.9	-13.20
.65	10.3	-13.21
.70	10.4	-13.22
.75	10.4	-13.24
.80	10.4	-13.25
.85	10.7	-13.26
.90	10.9	-13.27
.95	11.2	-13.27
2474.00	11.4	-13.25
.05	11.9	-13.25
.10	12.8	-13.24
.15	12.7	-13.23
.20	13.3	-13.24
.25	15.0	-13.23
.30	15.1	-13.24
.35	15.8	-13.22
.40	15.9	-13.21
.45	16.3	-13.20
.50	16.4	-13.19
.55	16.8	-13.18
.60	18.0	-13.16
.65	18.3	-13.15
.70	19.0	-13.14
.75	19.1	-13.11
.80	19.1	-13.11
.85	19.2	-13.11
.90	19.3	-13.08
.95	19.4	-13.07