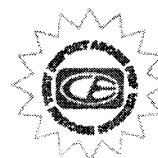




***RF BAND EDGES
FOR THE BASE***

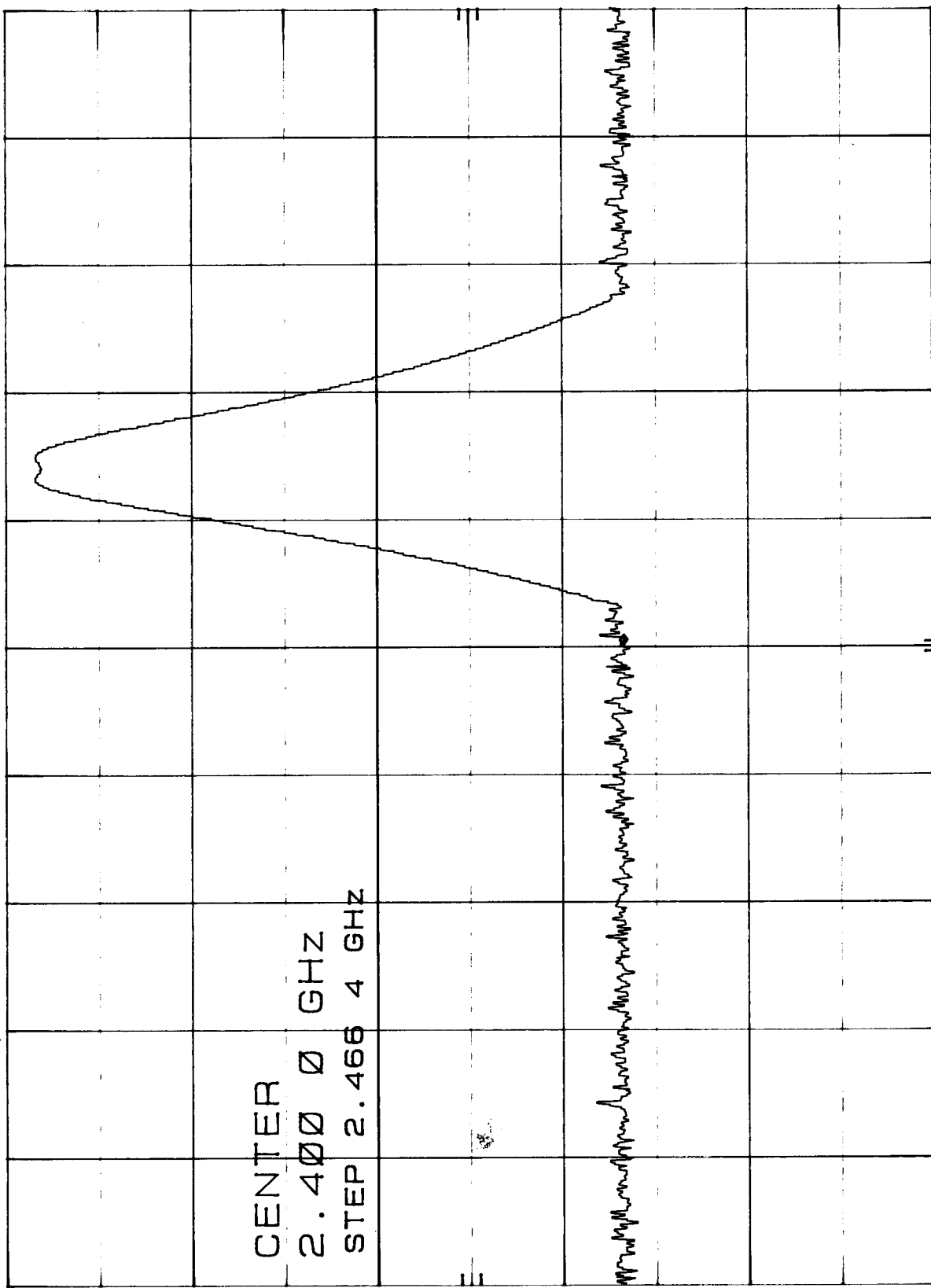


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47

CENTER
2.400 0 GHZ
STEP 2.466 4 GHZ

CORR.D



CENTER 2.400 0 GHZ
RES BW 1 MHZ

VBW 1 MHz

SPAN 50.0 MHz
SWP 20.0 msec

BAND EDGE OF LOW CHANNEL BASE - VERTICAL
hp 10 dB/

MR 2.400 10 GHz
48.20 dBμV

hp

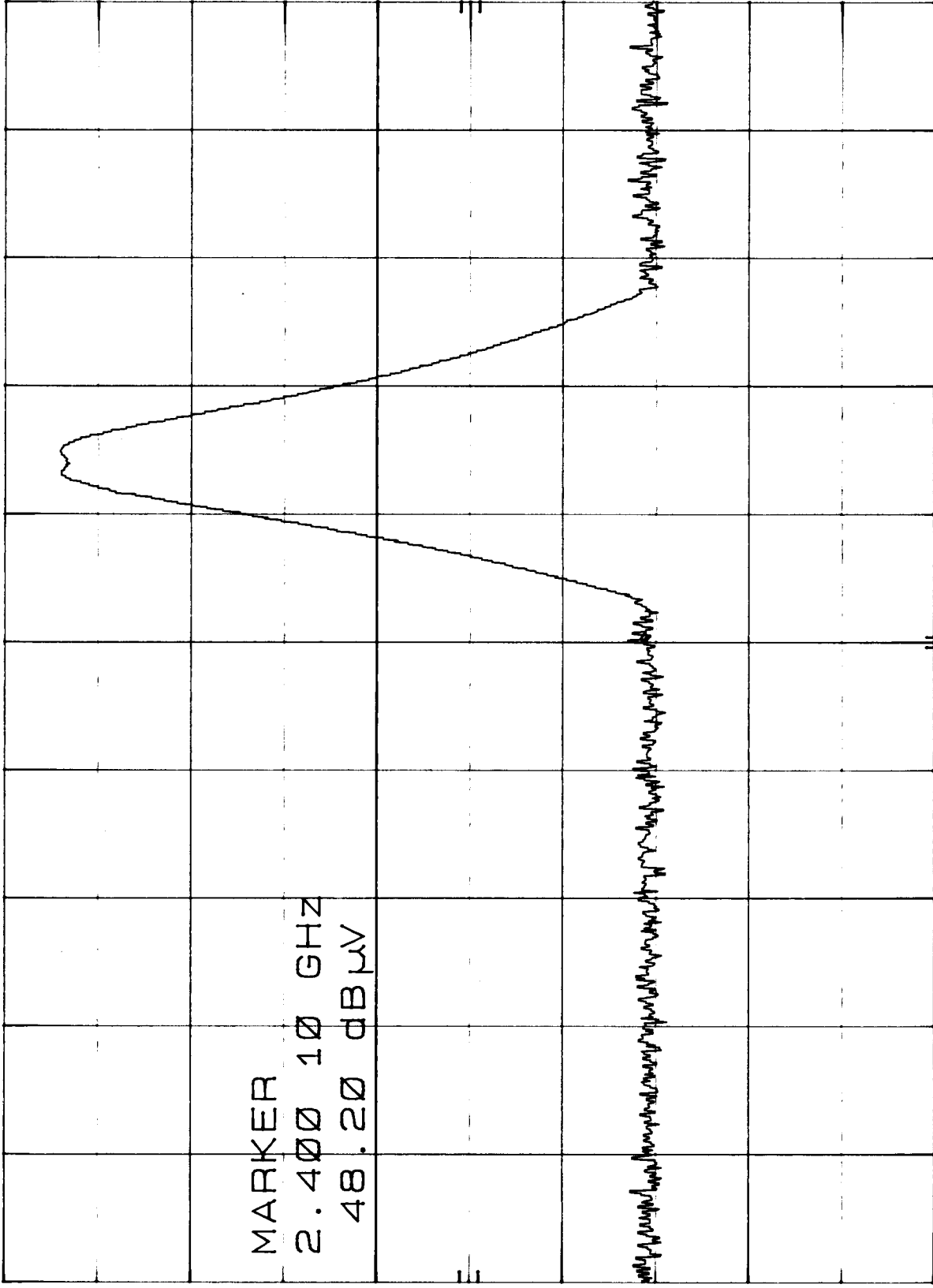
10 dB/

MARKER

2.400 10 GHz
48.20 dBμV

DL
77.0
dBμV

CORR'D



CENTER 2.400 0 GHz
RES BW 1 MHz
SPAN 50.0 MHz
SWP 20.0 msec

BAND EDGE OF HIGH CHANNEL BASE - ~~HORIZONTAL~~ MKR 2.483 65 GHz
REF 107.0 dBμV ATTEN 10 dB 40.70 dBμV

HP

10 dB/

RF ATTEN

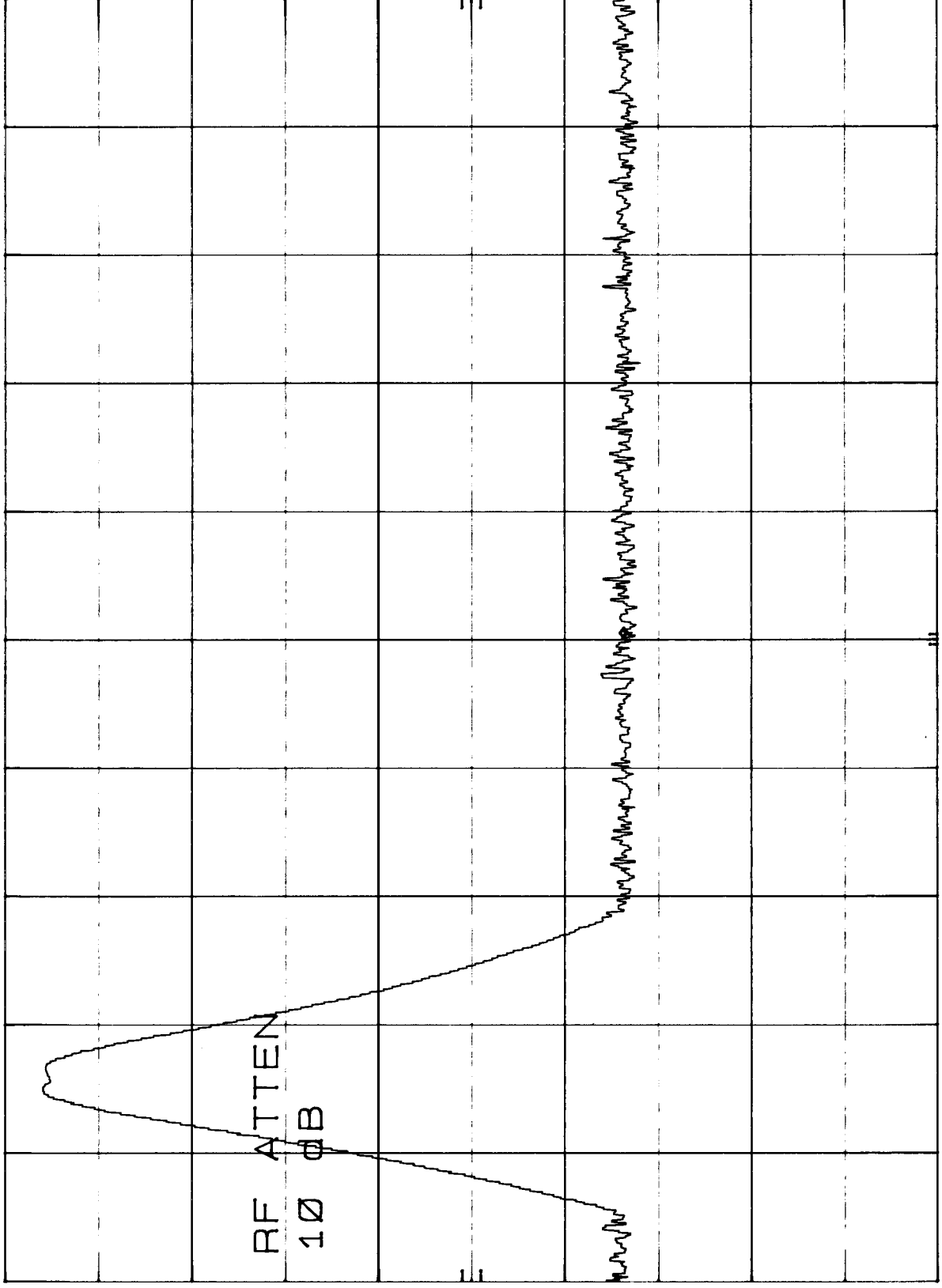
10 dB

DL

67.0

dBμV

CORR'D



CENTER 2.483 4 GHz

RES BW 1 MHz

VBW 1 MHz

SPAN 50.0 MHz

SWP 20.0 msec

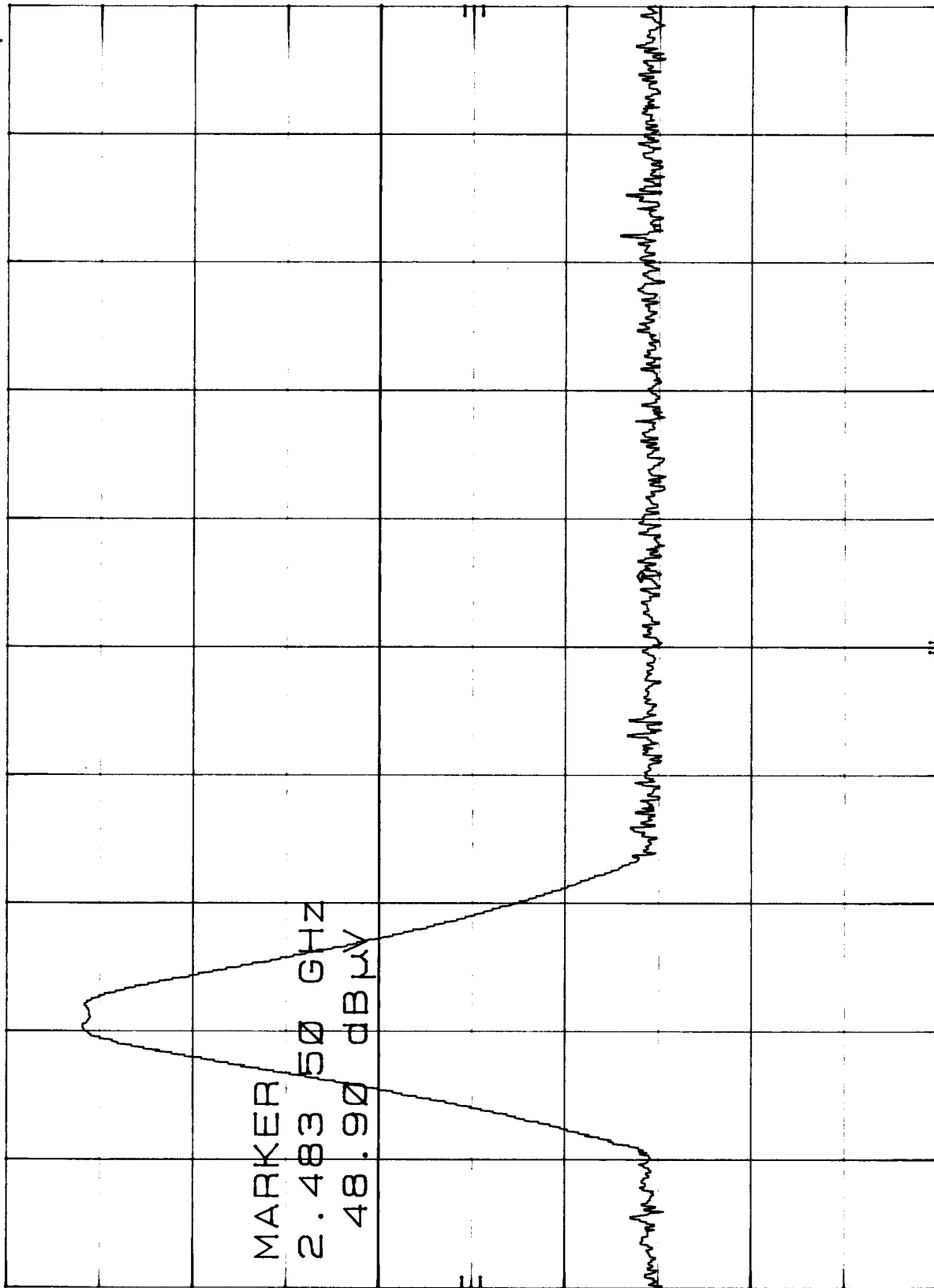
BAND EDGE OF HIGH CHANNEL BASE - Vertical
hp REF 117.0 dBμV ATTEN 20 dB MKR 2.483 50 GHZ 48.90 dBμV

10 dB/

MARKER
2.483 50 GHZ
48.90 dBμV

DL
77.0
dBμV

CORR'D



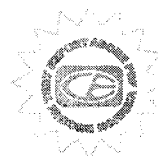
CENTER 2.480 8 GHZ
RES BW 1 MHz
VBW 1 MHz
SPAN 50.0 MHz
SWP 20.0 msec

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	SANYO	DATE	2/16/00
EUT	2.4 GHz SPREAD SPECTRUM CORDLESS PHONE - BASE	DUTY CYCLE	50.00 %
MODEL	CLT-2420	PEAK TO AVG	-6.02 dB
S/N	N/A	TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO	LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees) (X,Y,Z)	EUT Axis	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2400.0000	40.4	34.4 A	H	1.0	180	X	LOW	28.2	4.5	31.8	35.3	-18.7	54.0	Band Edge Low Channel
2400.0000	48.2	42.2 A	V	3.0	90	X	LOW	28.2	4.5	31.8	43.1	-10.9	54.0	Band Edge Low Channel
2483.5000	40.7	34.7 A	H	1.0	180	X	MID	28.2	4.5	31.8	35.6	-18.4	54.0	Band Edge High Channel
2483.5000	48.9	42.9 A	V	3.0	90	X	MID	28.2	4.5	31.8	43.8	-10.2	54.0	Band Edge High Channel

***RADIATED EMISSIONS
DATA SHEETS FOR THE HANDSET***



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RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	SANYO	DATE	2/14/00
EUT	2.4 GHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET	DUTY CYCLE	50.00 %
MODEL	CLT-2420	PEAK TO AVG	-6.02 dB
S/N	N/A	TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO	LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
2416.1400	64.5	58.5 A	H	1.0	180	X	LOW	28.2	4.5	0.0	91.2	91.2	0.0	
2416.1400	73.6	67.6 A	V	1.0	180	X	LOW	28.2	4.5	0.0	100.3	100.3	0.0	
2446.5700	67.0	61.0 A	H	1.0	180	X	MID	28.2	4.5	0.0	93.7	93.7	0.0	
2446.5700	78.4	68.4 A	V	1.0	90	X	MID	28.2	4.5	0.0	101.1	101.1	0.0	
2475.4200	64.1	58.1 A	H	1.0	180	X	HIGH	28.2	4.5	0.0	90.8	90.8	0.0	
2475.4200	74.6	68.6 A	V	1.0	180	X	HIGH	28.2	4.5	0.0	101.3	101.3	0.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	SANYO	DATE	2/14/00
EUT	2.4 GHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET	DUTY CYCLE	50.00 %
MODEL	CLT-2420	PEAK TO AVG	-6.02 dB
S/N	N/A	TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO	LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
4832.2800	38.3	32.3 A	H	1.0	0	Y	LOW	32.3	5.7	31.1	39.2	-14.8	54.0	
4832.2800	37.8	31.8 A	V	1.0	0	Y	LOW	32.3	5.7	31.1	38.7	-15.3	54.0	
4893.1400	38.0	32.0 A	H	1.0	90	Y	MID	32.3	5.7	31.1	38.9	-15.1	54.0	
4893.1400	37.2	31.2 A	V	1.0	90	Y	MID	32.3	5.7	31.1	38.1	-15.9	54.0	
4950.8400	36.5	30.5 A	H	1.0	180	Y	HIGH	32.3	5.7	31.1	37.4	-16.6	54.0	
4950.8400	38.9	32.9 A	V	1.0	0	Y	HIGH	32.3	5.7	31.1	39.8	-14.2	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN

** DELTA = SPEC LIMIT - CORRECTED READING

RADIATED EMISSIONS (FCC SECTION 15.205 AND 15.247)

COMPANY	SANYO	DATE	2/14/00
EUT	2.4 GHz SPREAD SPECTRUM CORDLESS PHONE - HANDSET	DUTY CYCLE	50.00 %
MODEL	CLT-2420	PEAK TO AVG	-6.02 dB
S/N	N/A	TEST DIST.	3 METERS
TEST ENGINEER	KYLE FUJIMOTO	LAB	D

Frequency MHz	Peak Reading (dBuV)	Average (A) or Quasi- Peak (QP)	Antenna Polar. (V or H)	Antenna Height (meters)	EUT Azimuth (degrees)	EUT Axis (X,Y,Z)	EUT Tx Channel	Antenna Factor (dB)	Cable Loss (dB)	Amplifier Gain (dB)	*Corrected Reading (dBuV/m)	Delta ** (dB)	Spec Limit (dBuV/m)	Comments
7248.4200	39.7	33.7 A	H	1.0	180	Y	LOW	36.8	6.4	32.9	44.0	-10.0	54.0	
7248.4200	37.1	31.1 A	V	1.0	90	Y	LOW	36.8	6.4	32.9	41.4	-12.6	54.0	
7339.7100	36.9	30.9 A	H	1.0	90	V	MID	36.8	6.4	32.9	41.2	-12.8	54.0	
7339.7100	38.6	32.6 A	V	1.0	0	Y	MID	36.8	6.4	32.9	42.9	-11.1	54.0	
7426.2600	40.8	34.0 A	H	1.0	90	Y	HIGH	36.8	6.4	32.9	44.3	-9.7	54.0	
7426.2600	38.4	32.4 A	V	1.0	180	Y	HIGH	36.8	6.4	32.9	42.7	-11.3	54.0	

* CORRECTED READING = METER READING + ANTENNA FACTOR + CABLE LOSS - AMPLIFIER GAIN
 ** DELTA = SPEC LIMIT - CORRECTED READING

Note: No Harmonics nor emissions found
 after the 3rd harmonic

Test location: Compatible Electronics

Customer : SANYO

Date : 2/14/2000

Manufacturer : UNIDEN CORPORATION

Time : 16.32

EUT name : 2.4 GHz PHONE

Model: CLT-2420

Specification: Fcc_B Test distance: 3.0 mtrs Lab: D

Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00

Test Mode :

HANDSET UNIT - SPURIOUS EMISSIONS

TEMPERATURE 55 DEGREES F.

RELATIVE HUMIDITY 89%

TESTED BY: *Kyle Fujimoto*

KYLE FUJIMOTO

NO EMISSIONS FOUND FROM 10 KHZ TO 30 MHZ IN
EITHER POLARIZATION FOR THE HANDSET UNIT

Test location: Compatible Electronics

Customer : SANYO

Date : 2/14/2000

Manufacturer : UNIDEN CORPORATION

Time : 15.42

EUT name : 2.4 GHz PHONE

Model: CLT-2420

Specification: Fcc_B Test distance: 3.0 mtrs

Lab: D

Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$)

: 0.00

Test Mode :

HANDSET UNIT - SPURIOUS EMISSIONS

TEMPERATURE 55 DEGREES F.

RELATIVE HUMIDITY 89%

TESTED BY:

Kyle Fujimoto
KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1H	343.50	40.60	2.56	15.64	38.60	20.21	46.00	-25.79
2H	375.60	40.00	2.65	14.70	38.60	18.75	46.00	-27.25
3H	390.62	39.90	2.68	14.12	38.60	18.10	46.00	-27.90
4H	408.24	43.70	2.72	14.06	38.52	21.96	46.00	-24.04
5H	456.18	45.70	2.84	15.76	38.08	26.22	46.00	-19.78
6H	531.33	44.30	3.41	17.01	38.71	26.01	46.00	-19.99
7H	60.05	40.10	0.80	11.72	38.80	13.82	40.00	-26.18
8H	69.94	46.80	1.00	11.34	38.90	20.24	40.00	-19.76

Test location: Compatible Electronics

Customer : SANYO

Date : 2/14/2000

Manufacturer : UNIDEN CORPORATION

Time : 15.59

EUT name : 2.4 GHz PHONE

Model: CLT-2420

Specification: Fcc_B Test distance: 3.0 mtrs Lab: D

Distance correction factor($20 \cdot \log(\text{test}/\text{spec})$) : 0.00

Test Mode :

HANDSET UNIT - SPURIOUS EMISSIONS

TEMPERATURE 55 DEGREES F.

RELATIVE HUMIDITY 89%

TESTED BY: Kyle Fujimoto

KYLE FUJIMOTO

Pol	Freq MHz	Rdng dBuV	Cable loss dB	Ant factor dB	Amp gain dB	Cor'd rdg = R dBuV	limit = L dBuV/m	Delta R-L dB
1V	47.04	41.70	0.87	12.76	38.67	16.66	40.00	-23.34
2V	66.04	48.30	0.92	11.49	38.86	21.85	40.00	-18.15
3V	42.02	53.70	0.82	12.90	38.62	28.80	40.00	-11.20
4V	384.49	39.40	2.67	14.36	38.60	17.82	46.00	-28.18
5V	984.49	32.50	4.50	25.04	37.42	24.61	54.00	-29.39