TEST DATA FOR FCC CERTIFICATION APPLICATION
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TYPE OF EQUIPMENT: 900MHz ISM BAND cordless telephone (Analog)
FCC ID: AA04300794
MODEL NO(S).: 43-1099(XX)

TABLE OF CONTENTS

EXHIBIT - 1

GENERAL INFORMATION

General Information in accordance with the Federal Communications Commission Rules and Regulations, Volume II, Part 2.

Section 2.1033(b)(1) Applicant:

RadioShack, A Division of Tandy Corporation
100 Throckmorton St Ste 1300
Fort Worth, TX 76102-2802
Mr. Dwayne Campbell, Manager, Regulatory Affairs

Section 2.1033(b)(2) FCC Identifier: FCC ID: AA04300794
MODEL NO(S).: 43-1099(XX)

Section 2.1033(b)(3) Instruction Manual: Refer to EXHIBIT-2

Section 2.1033(b)(4) Circuit Description: Refer to EXHIBIT-3

Section 2.1033(b)(5) Circuit & Block Diagrams: Refer to EXHIBIT-4

Section 2.1033(b)(6) Measurement Data: Refer to EXHIBIT-5

Standard Test Conditions:
The following conditions and procedures were followed during testing of the equipment.

Room Temperature: 23 - 27 Degrees Celsius
Room Humidity: 40 - 60 %
Power Supply: 120V AC for Base unit
Ni-cd Battery for Handset

Section 2.1033(b)(7) Photographs & Equipment Identification:

External photographs of the unit as well as internal photos of the printed circuit boards are found in EXHIBIT-6.

A drawing of the equipment's Identification Label and its intended location are as shown in EXHIBIT-6 and EXHIBIT-7.

Section 2.1033(b)(8) Peripheral or Accessory Device:

Not used

Section 2.1033(b)(9) Transition provisions in section 15.37 Rules:

This equipment complies with the new Part 15 of FCC Rules and is not affected by Section 15.37.

Section 2.1033(b)(10) Decoding the Emergency Broadcast System Attention Signal: Not Applicable

Section 2.1033(b)(11) Direct Sequence Spread Spectrum Transmitter:

Not Applicable

Section 15.214(d)(3) Digital Security Code Information:

Refer to EXHIBIT-3

EXHIBIT - 2

DRAFT COPY OF THE INSTRUCTION MANUAL

[APPENDIX] 43-1099 TEST MODE AND OPERATION FREQUENCY

TEST MODE

This cordless telephone has test mode function which enable to perform TX/RX testing.

Test Mode for Base Unit

To enter the test mode, connect the AC Adapter to the unit while pressing the PAGE button. When test mode is set up, and the LINE LED lights. The unit is set for CH 19 (926.893873 MHz) Transmitting mode.

To change the transmitting frequency, change the TONE/PULSE switch position to TONE side and them press the PAGE button during the unit is set the TX Test mode, so that the channel is changed from CH 19 to CH 20. Every pressing the CHANNEL key, channel is changed as below.

19 20 21 40 1 2 3 - - - 39 40 1 2 3 4 ---

To cancel the test mode, place the Handset in the Base Unit, so that the CHARGE LED lights and the equipment is set for normal operation mode (Standby mode).

Or, disconnect the AC Adapter and connect it again, so that the test mode is easily canceled.

Test Mode for Handset

First, disconnect the battery pack. Then, connect the battery pack again while pressing # and * keys. When test mode is set up, long beep tone is heard and the TALK LED lights. The unit is set for CH 21 Transmitting mode. Every pressing the CHANNEL key, channel is changed as below.

21 20 19 40 1 2 3 - - - 39 40 1 2 3 4 ---

To cancel the test mode, press the TALK key.

FREQUENCY TABLE

CH	Portable(TX Frequency)	Base(TX Frequency)
1	902.080435MHz	925.989636MHz
2	902.130671MHz	926.039871MHz
3	902.180906MHz	926.090107MHz
4	902.231142MHz	926.140342MHz
5	902.281377MHz	926.190577MHz
6	902.331613MHz	926.240813MHz
7	902.381849MHz	926.291048MHz
8	902.432084MHz	926.341284MHz
9	902.482320MHz	926.391519MHz
10	902.532555MHz	926.441755MHz
11	902.582791MHz	926.491990MHz
12	902.633026MHz	926.542225MHz
13	902.683262MHz	926.592461MHz
14	902.733498MHz	926.642696MHz
15	902.783733MHz	926.692932MHz
16	902.833969MHz	926.743167MHz
17	902.884204MHz	926.793403MHz
18	902.934440MHz	926.843638MHz
19	902.984676MHz	926.893873MHz
20	903.034911MHz	926.944109MHz
21	903.085147MHz	927.994344MHz
22	903.135382MHz	927.044580MHz
23	903.185618MHz	927.094815MHz
24	903.235853MHz	927.145051MHz
25	903.286089MHz	927.195286MHz
26	903.336325MHz	927.245521MHz
27	903.386560MHz	927.295757MHz
28	903.436796MHz	927.345992MHz
29	903.487031MHz	927.396228MHz
30	903.537267MHz	927.446463MHz
31	903.587503MHz	927.496699MHz
32	903.637738MHz	927.546934MHz
33	903.687974MHz	927.597169MHz
34	903.738209MHz	927.647405MHz
35	903.788445MHz	927.697640MHz
36	903.838681MHz	927.747876MHz
37	903.888916MHz	927.798111MHz
38	903.939152MHz	927.848347MHz
39	903.989387MHz	927.898582MHz
40	904.039623MHz	927.948817MHz

EXHIBIT - 4

SCHEMATIC DIAGRAMS AND BLOCK DIAGRAMS

EXHIBIT - 5

MEASUREMENT PROCEDURE AND TEST RESULTS

MEASUREMENT ITEMS	Section No.
5-1 Field Strength of Radiated Emissions	15.249(a)(b) 15.205 / 15.209
5-2 Power Line Conducted Emissions	15.207

SUPPLEMENT DATA - BAND EDGE EMISSIONS

5-1 Field Strength of Radiated Emissions 15.249(a)(b) 15.205 / 15.209

The measurements were performed in accordance with the ANSI C63.4-1992. Field Strength measurements of radiated spurious emissions were made at the open test site of a 3 meter range maintained by Uniden Corporation in Japan. Complete description and measurement data of this test site have been placed on file with the Commission.

The radio frequency spectrum was scanned in the range of 30 MHz to 10 GHz in accordance with the section 15.33(b) of the FCC Rules.

For radiation measurement below 1 GHz, initially frequency band of 30 - 1000MHz was scanned by ADVANTEST R3265 Spectrum Analyzer with "BW: 3MHz, VBW: 30kHz, SWP: 30mS" to observe higher missions. Then, these higher emissions are re-measured by using CISPR uasi-peak detector (BW: 120kHz) Spectrum Analyzer in accordance with the sections 15.33(a) and 15.35(a).

The frequency above 1 GHz, the measurement was carried out by using the Hewlett Packard 8566B Spectrum Analyzer (BW: 1MHz) in accordance with the section 15.35(b).

A bilog antenna CBL6111 was used to cover the range from 30 MHz to 1000 MHz. Narrow band tuned dipole antennas were used over the entire 25 to 1000 MHz range for precision Measurements of field strength. Above 1000 MHz, a horn antenna EMCO 3115 was used.

For each spurious or harmonic frequency, the antenna was raised and lowered to obtain a maximum reading on the Spectrum Analyzer with antenna horizontally polarized. Then the turntable, on which the equipment under test was placed, was rotated a minimum of 360 degrees to further increase the reading on the Spectrum Analyzer. This procedure was repeated with the antenna vertically polarized. The equipment under test was placed in its normal operating position on a turntable approximately 1 meter in height.

In order to convert the measured emission levels into field strength in dBuV/m, the actual field strength (Ef) is determined by algebraically adding the measured emission level (Em) and the antenna correction factor (ACF) including the cable loss at the appropriate frequency. Ef [dBuV/m] = Em [dBuV/m] + ACF [dB]

FCC Limits:

a) Fundamental emission: 94 dBuV/m (50,000 uV/m)
b) Spurious emissions:

30 - 88 MHz	40 dBuV/m	(100 uV/m)
88 - 216 MHz	43.5 dBuV/m	(150 uV/m)
216 - 960 MHz	46 dBuV/m	(200 uV/m)
Above 960 MHz	54 dBuV/m	(500 uV/m)

Test Results: Refer to the attached test reports. All emissions not reported were more than 20 dB below the limits.

NOTE:
For measurement of the handset, all of the testing were made with the internal battery that is fully charged.

For measurement of base unit, all of the testing were made with the AC Adapter which connected to a standard voltage source.

5-2 Power Line Conducted Emissions 15.207

The measurements were performed in accordance with the ANSI C63.4-1992. During the measurements, a standard voltage source is fed into the unit under test through a power line impedance stabilization network.

FCC Limits:

The radio frequency voltage that is conducted back into the AC power line on any frequencies within the band from 450kHz to 30MHz shall not exceed 250uV (48 dBuV).

Test Results: Refer to the attached test reports. All emissions not reported were more than 20 dB below the limits.

NOTE:
Regarding the Handset, this FCC requirement is not applicable to it since the Handset is intended to use the battery only.

SUPPLEMENT DATA - BAND EDGE EMISSION

Attached data show the handset's transmission on lowest channel (902.080435MHz) and base unit's transmission on highest channel (927.946617MHz).

At the frequency on 902 and 928MHz, emissions are well reduced as much as -70dB below the operational channel frequency of the units.

TEST CONDITIONS:

Max. Deviation: +/-13 kHz Dev.
Modulation : 1,000 Hz

5-1 Field Strength of Radiated Emissions

Test Result

a) Handset: Fundamental Emissions

Emission	Measured Level		ACF	Field Strength	FCC Limit	Margin
(MHz)	(dBuV)	(V/H)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
902.080435	64.8	H	26.5	91.3	94.0	2.7
904.039623	64.0	H	26.5	90.5	94.0	3.5

b) Handset: Spurious Emissions

Transmitting Frequency: 903.34911MHz						
Emission	Measured Level		ACF	Field Strength	FCC Limit	Margin
(MHz)	(dBuV)	(V/H)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
451.517	11.5	H	19.5	31.0	46.0	15.0
941.3	8.7	H	28.3	37.0	46.0	9.0
1886.0	6.0	H	34.5	40.5	54.0	13.5

c) Base unit: Fundamental Emissions

Emission	Measured Level		ACF	Field Strength	FCC Limit	Margin
(MHz)	(dBuV)	(V/H)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
925.989636	64.8	H	27.0	91.8	94.0	2.2
927.948817	64.8	H	27.0	91.8	94.0	2.2

d) Base unit: Spurious Emissions

Transmitting Frequency: 926.944109MHz						
Emission	Measured Level		ACF	Field Strength	FCC Limit	Margin
(MHz)	(dBuV)	(V/H)	(dB)	(dBuV/m)	(dBuV/m)	(dB)
463.472	8.0	V	19.5	27.5	46.0	18.5
888.715	4.5	V	25.5	30.0	46.0	16.0
1777.320	8.5	V	33.5	42.0	54.0	12.0

NOTE: 'All emissions not reported were more than 20 dB below the FCC limit.

5-2 Power Line Conducted Emissions 15.207

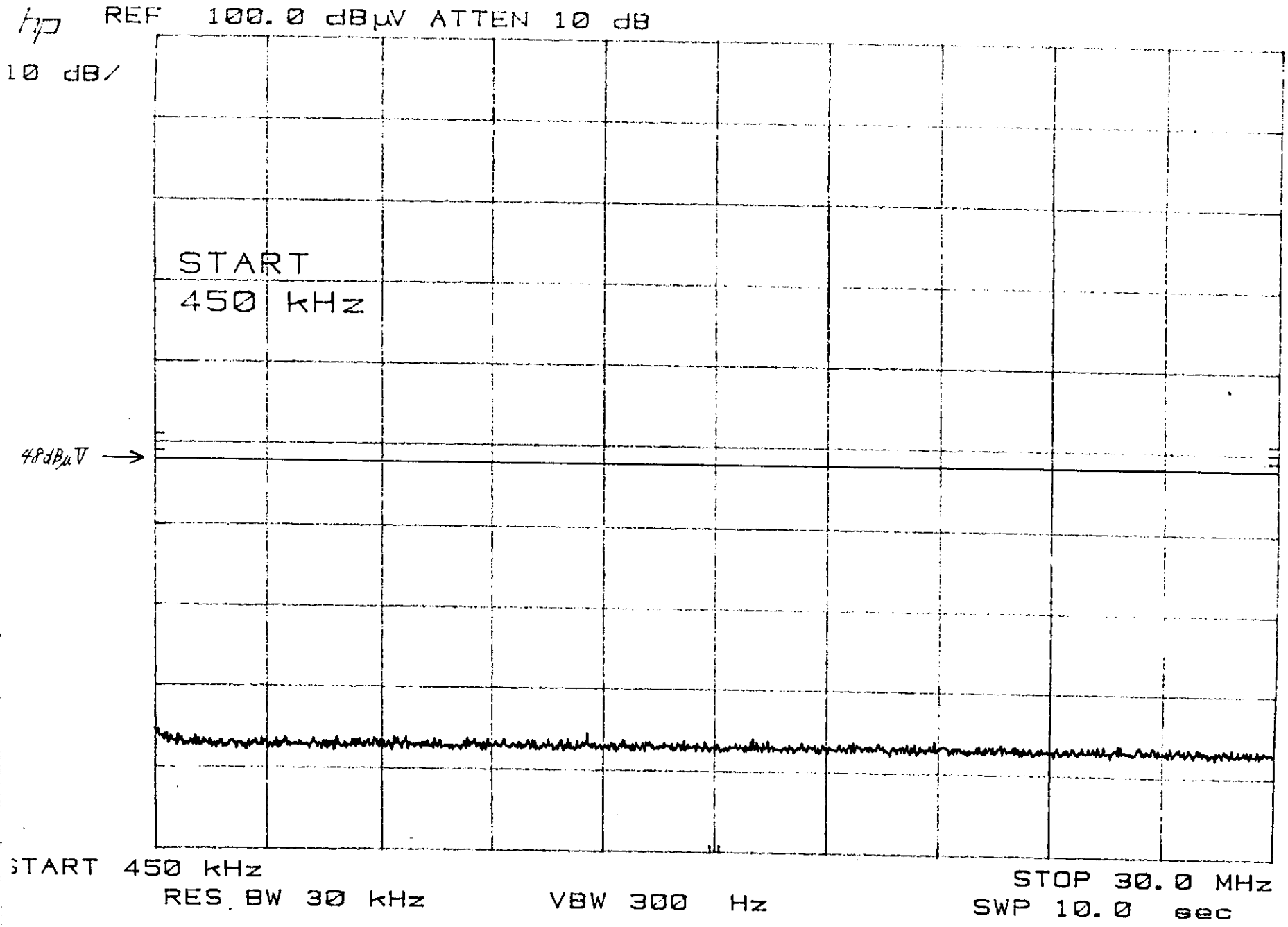
Test Result

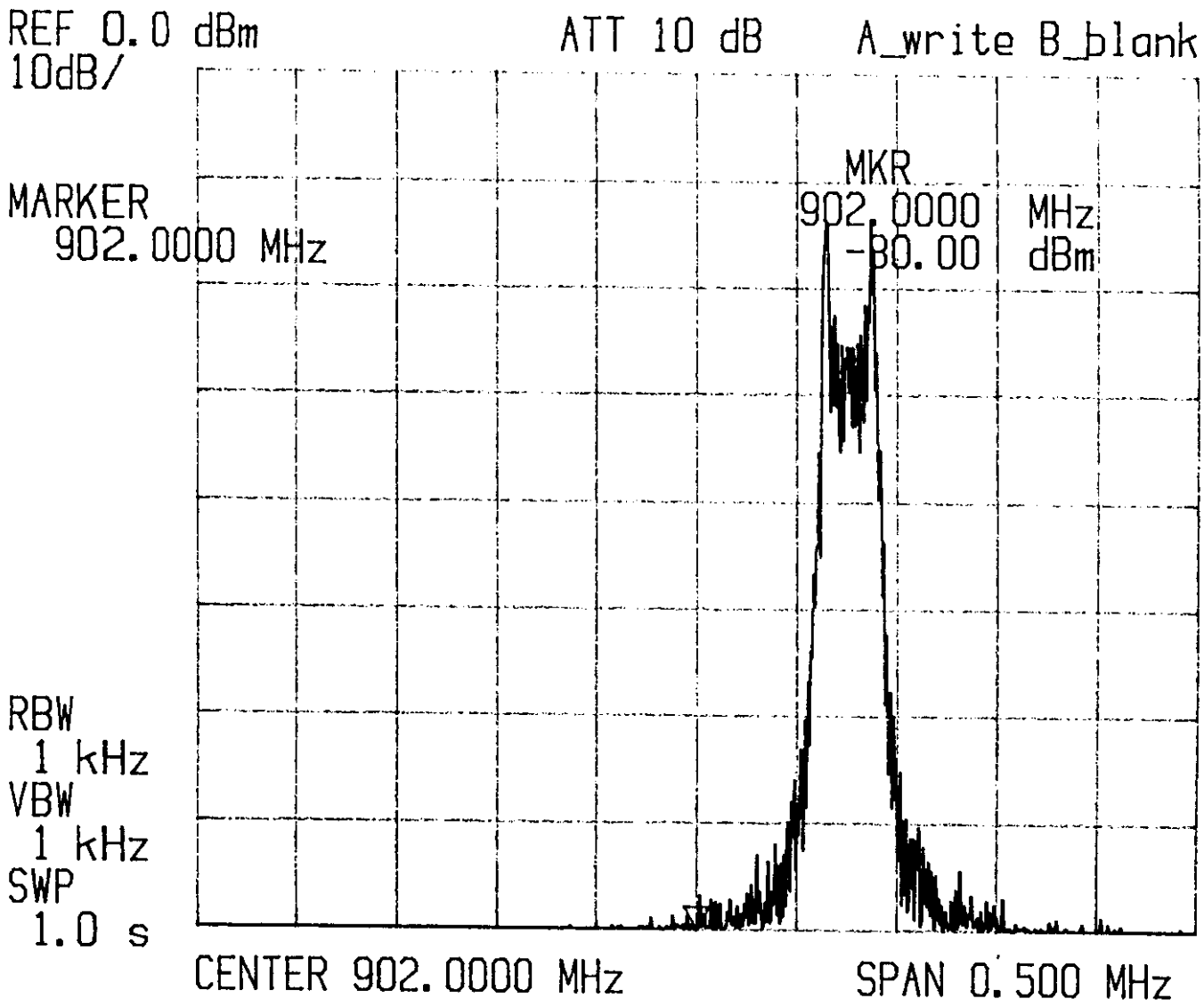
Transmitting frequency	Emissions Frequency	Measured Level
926.944109MHz	NO EMISSIONS EXCEEDS 20dB BELOW THE FCC LIMIT.	

All emissions not reported were more than 20 dB below the FCC limit.
(See attached graphs as an example.)

Handset:
The FCC requirement do not apply to the handset
since the handset is designed to operate with internal battery only.

UC-2012 LINE CONDUCTED EMISSIONS

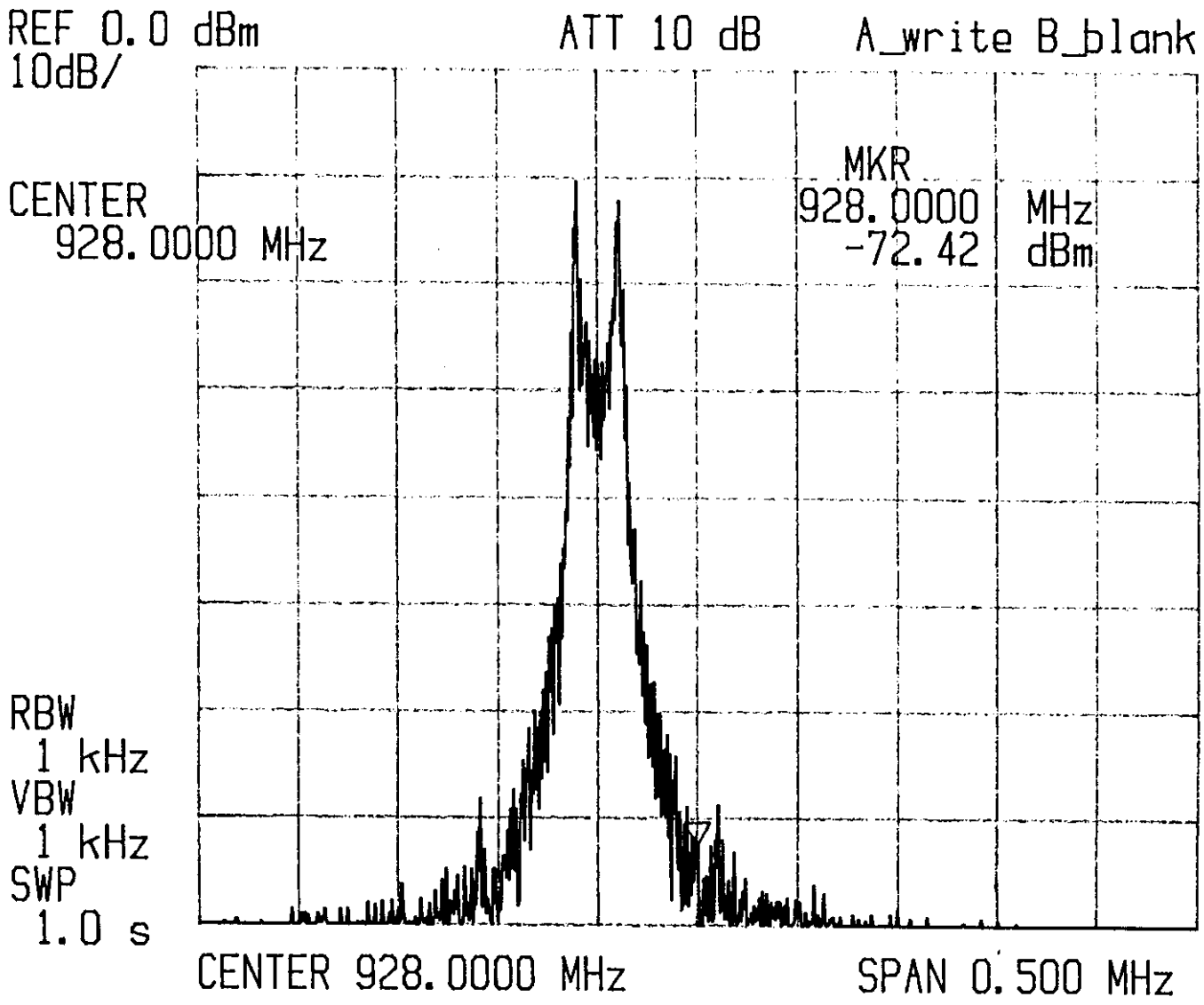




MC2018
H/S POWER SPECTRUM
CH1

TOTAL PWR: -7 dBm
MAX DEVIATION : ±13kHz
at 1kHz

ENG-0211
'98.4.11



WC201Z

BASE POWER SPECTRUM

CH40

TOTAL PWR : -6.5dBm

MAX DEVIATION : ±13KHz

at 1KHz

DENG-0211

'98.4.11

LIST OF MEASUREMENT EQUIPMENTS

ENG-NO	TEST EQUIPMENT	TYPE	MFR	SERIAL NO.	CATEGORY	CODE
1287	AMPLIFIER	AFS30010040020	MITEQ	138315	2171	D
1294	ANTENNA (BILOG)	CBL6111	CHASE	1057	2121	D
1602	ANTENNA (DIPOLE)	3120-B1	EMCO	0075		D
1603	ANTENNA (DIPOLE)	3120-B2	EMCO	0076		D
1604	ANTENNA (DIPOLE)	3120-B3	EMCO	0076		D
1560	ANTENNA (HORN)	3115	EMCO	2167		D
1388	LISN	KNW407	KYOURITSU	8-833-21		4
0682	POWER SUPPLY	AA300	TAKASAGO	31783013	2171	4
1305	SPECTRUM ANALYZER	8566B	HP	2504A01433	2171	D
0205	SPECTRUM ANALYZER	R3265	ADVANTEST	25060158	2171	4