

Matsushita Electric Corporation of America

Product Safety & Compliance Division

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June 26, 1999

KM499-U027D

Form 731 Confirmation No.: EA94139

Federal Communications Commission
Equipment Authorization Division
7435 Oakland Mills Road
Columbia, MD. 21046

Attn: Joseph Dichoso, Electronic Engineer

Subject: Supplement to Original Application for Certification of 900/2400MHz Spread
Spectrum Cordless Telephone System, Panasonic Model KX-TG2550 Series
Base Unit, FCC ID: ACJ96NKX-TG2550

Dear Mr. Dichoso:

This is in response to your correspondence reference number 8344 regarding request for chart showing jamming signal level and transmitter signal level as measured at the input of the receiver.

Attached find the factory's additional chart showing jamming signal level and transmitter signal level as measured at the input of the receiver that shows 15.5dB processing gain for the base unit.

Should you have any additional questions or comment, please contact the undersigned immediately. Thank you for your attention in this matter.

Sincerely yours,


Richard Mullen
Project Manager

JUN 29 1999
FCC LABORATORY

KX-TG2550B Processing Gain Test Results

Base Unit

Carrier	Desire Signal EIRP (dBm)	Desire Signal Power Spectral Density (dBm/Hz)	Desire Signal Level (dBm)	Desire Signal Power Spectral Density (dBm/Hz)	U/I Ratio (dB)	U/I Ratio (dB)
1200	-85.00	15.00	-80.00	15.00	-57.90	37.10
1150	-85.00	15.00	-81.00	15.00	-54.00	26.00
1100	-85.00	15.00	-82.00	15.00	-55.40	24.40
1050	-85.00	15.00	-83.00	15.00	-54.40	23.40
1000	-85.00	15.00	-84.00	15.00	-54.40	20.60
950	-85.00	15.00	-85.00	15.00	-61.20	19.00
900	-85.00	15.00	-86.00	15.00	-62.10	17.90
850	-85.00	15.00	-87.00	15.00	-64.10	15.90
800	-85.00	15.00	-88.00	15.00	-64.90	14.00
750	-85.00	15.00	-89.00	15.00	-64.90	13.50
700	-85.00	15.00	-90.00	15.00	-67.10	12.90
650	-85.00	15.00	-91.00	15.00	-67.80	12.20
600	-85.00	15.00	-92.00	15.00	-68.10	11.90
550	-85.00	15.00	-93.00	15.00	-69.20	11.60
500	-85.00	15.00	-94.00	15.00	-68.20	11.60
450	-85.00	15.00	-95.00	15.00	-68.10	11.90
400	-85.00	15.00	-96.00	15.00	-68.00	10.00
350	-85.00	15.00	-97.00	15.00	-67.40	12.40
300	-85.00	15.00	-98.00	15.00	-67.40	10.50
250	-85.00	15.00	-99.00	15.00	-67.90	10.50
200	-85.00	15.00	-100.00	15.00	-68.90	11.00
150	-85.00	15.00	-101.00	15.00	-74.20	9.20
100	-85.00	15.00	-102.00	15.00	-71.40	8.50
50	-85.00	15.00	-103.00	15.00	-71.50	8.50
0	-85.00	15.00	-104.00	15.00	-71.60	8.00
-50	-85.00	15.00	-105.00	15.00	-71.60	8.50
-100	-85.00	15.00	-106.00	15.00	-71.50	8.50
-150	-85.00	15.00	-107.00	15.00	-71.50	8.00
-200	-85.00	15.00	-108.00	15.00	-71.70	8.30
-250	-85.00	15.00	-109.00	15.00	-70.30	8.70
-300	-85.00	15.00	-110.00	15.00	-68.10	13.90
-350	-85.00	15.00	-111.00	15.00	-65.50	10.50
-400	-85.00	15.00	-112.00	15.00	-66.60	11.40
-450	-85.00	15.00	-113.00	15.00	-66.50	11.50
-500	-85.00	15.00	-114.00	15.00	-66.50	11.50
-550	-85.00	15.00	-115.00	15.00	-67.50	12.50
-600	-85.00	15.00	-116.00	15.00	-68.40	13.40
-650	-85.00	15.00	-117.00	15.00	-67.90	12.10
-700	-85.00	15.00	-118.00	15.00	-67.30	12.10
-750	-85.00	15.00	-119.00	15.00	-67.30	12.70
-800	-85.00	15.00	-120.00	15.00	-67.30	13.00
-850	-85.00	15.00	-121.00	15.00	-65.90	14.20
-900	-85.00	15.00	-122.00	15.00	-64.50	15.50
-950	-85.00	15.00	-123.00	15.00	-63.10	16.70
-1000	-85.00	15.00	-124.00	15.00	-61.10	18.70
-1050	-85.00	15.00	-125.00	15.00	-61.10	19.90
-1100	-85.00	15.00	-126.00	15.00	-63.20	21.60
-1150	-85.00	15.00	-127.00	15.00	-61.40	24.40
-1200	-85.00	15.00	-128.00	15.00	-61.10	26.90
-1250	-85.00	15.00	-129.00	15.00	-49.60	31.00

Desire Ratio = (Desire Signal) / (Undesired Signal) Ratio
 These points are excluded.

3dB Jamming Margin
 (S/N) ratio
 Acceptable 15.8dB
 Base 10.50dB

U/I level is worst value after exclude worst 2dB points.

Process Gain
 (S/N) ratio
 Base 13.5dB
 Acceptable 14.9dB
 Base 13.5dB

Measurement Equipment
 Signal Generator
 Rohde & Schwarz E50-D3800A
 Rohde & Schwarz E50-D3800A
 Radio Analyzer
 Rohde & Schwarz R9020
 (Option: OCITY Filter)
 Four port Junction Pad
 Anritsu ML112A
 50 ohm Terminator
 Rohde & Schwarz 908A

900/2400 MHz Spread Spectrum Cordless Telephone System
 Panasonic Model KX-TG2550 Series
 FCC ID: ACJ96NKK-TG2550
 KX499-U027 / Base Unit
 FCC ID: ACJ96NKK-TG2550R
 KX499-U028 / Handset Unit

Mullen, Richard

Subject: KME-KM4 / K. Nawata; KME-KM4 / M. Mori
FCC Final Request for FCC ID: ACJ96NKX-TG2550

From: Richard Mullen, Matsushita Electric Corporation of America
Joe Dichoso
jdichoso@fcc.gov
FCC Application Processing Branch

Applicant: FCC ID ACJ96NKX-TG2550
Matsushita Electric Industrial Co Ltd
Correspondence Reference Number: 8344
Confirmation Number: EA94139
Date of Original E-Mail: 06/22/1999

*FYI only. With regard to the Process gain, provide a chart showing the Jamming signal level and the Transmitter signal level as measured at the input of the receiver.