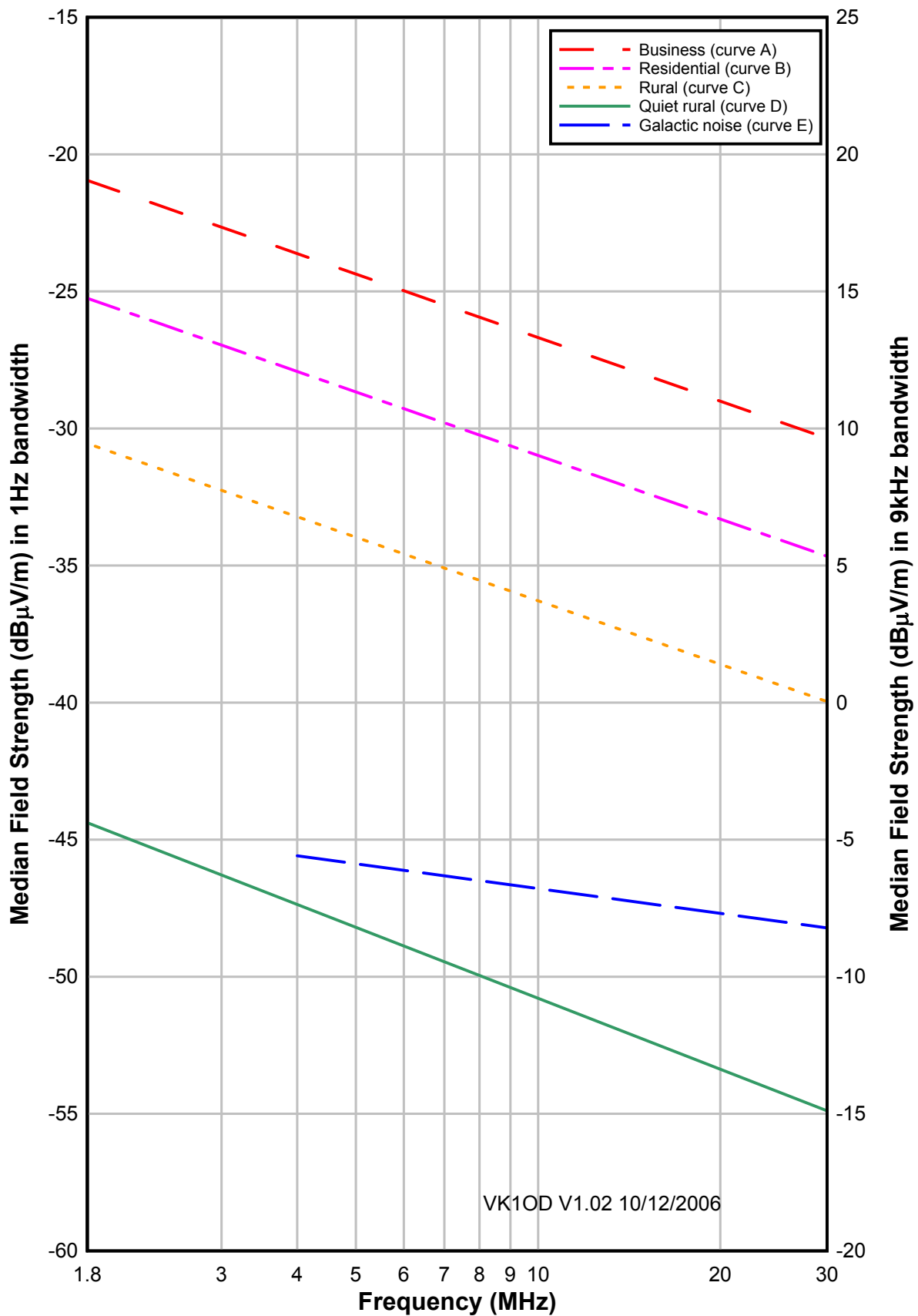


# Expected ambient noise level

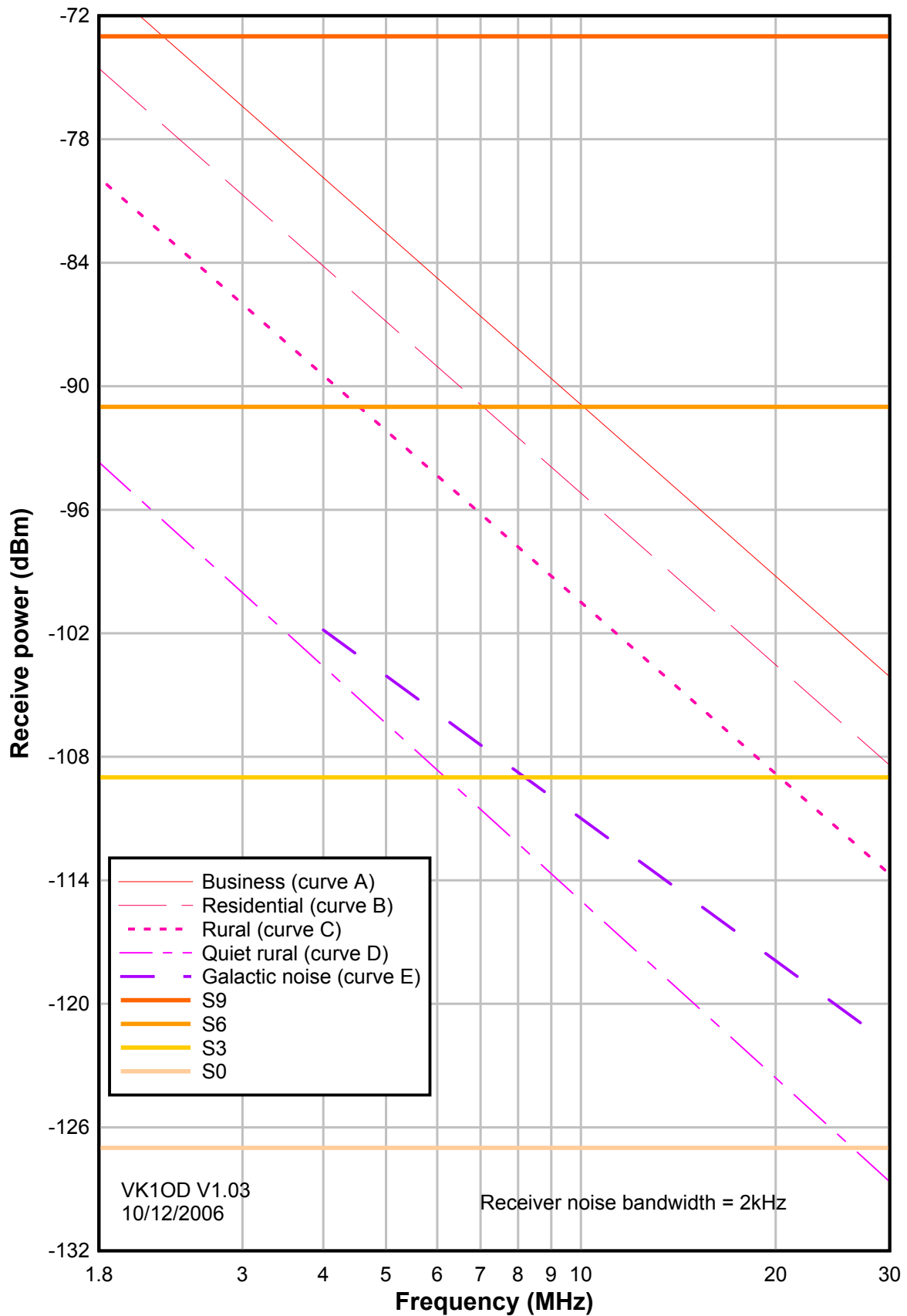
Based on  $F_{am}$  per ITU-R P.372-8 Table 1  
(Lossless isotropic antenna)



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# Expected Ambient Noise

(per ITU-R P.372-8)  
(Lossless isotropic antenna)



# Expected ambient noise level

(per ITU-R P.372-8)

## Field Strength (dB $\mu$ V/m) (9kHz measurement bandwidth)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	18.5	14.2	8.9	-4.9	-5.0
3.6	16.3	12.0	6.7	-7.4	-5.9
7.1	14.0	9.7	4.4	-10.0	-6.8
10.1	12.8	8.5	3.2	-11.3	-7.3
14.2	11.7	7.4	2.1	-12.6	-7.7
18.1	10.9	6.6	1.3	-13.5	-8.0
21.2	10.3	6.0	0.7	-14.1	-8.2
24.95	9.8	5.5	0.2	-14.7	-8.4
29	9.3	5.0	-0.3	-15.2	-8.6

## Field Strength (dB $\mu$ V/m) (1Hz measurement bandwidth)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	-21.0	-25.3	-30.6	-44.5	-44.6
3.6	-23.3	-27.6	-32.9	-47.0	-45.5
7.1	-25.5	-29.8	-35.1	-49.5	-46.3
10.1	-26.7	-31.0	-36.3	-50.8	-46.8
14.2	-27.9	-32.2	-37.5	-52.1	-47.2
18.1	-28.7	-33.0	-38.3	-53.0	-47.6
21.2	-29.2	-33.5	-38.8	-53.6	-47.8
24.95	-29.7	-34.0	-39.3	-54.2	-48.0
29	-30.2	-34.5	-39.8	-54.8	-48.2

## Received power in 2kHz, lossless isotropic antenna (dBm)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	-70.6	-74.9	-80.2	-94.0	-94.1
3.6	-78.6	-82.9	-88.2	-102.3	-100.8
7.1	-86.8	-91.1	-96.4	-110.7	-107.6
10.1	-91.0	-95.3	-100.6	-115.1	-111.1
14.2	-95.1	-99.4	-104.7	-119.3	-114.5
18.1	-98.0	-102.3	-107.6	-122.4	-116.9
21.2	-99.9	-104.2	-109.5	-124.3	-118.5
24.95	-101.9	-106.2	-111.5	-126.3	-120.1
29	-103.7	-108.0	-113.3	-128.2	-121.6

## Received power in 2kHz, lossless isotropic antenna (S-units)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	S9	S9	S8	S5	S5
3.6	S8	S7	S6	S4	S4
7.1	S7	S6	S5	S3	S3
10.1	S6	S5	S4	S2	S3
14.2	S5	S5	S4	S1	S2
18.1	S5	S4	S3	S1	S2
21.2	S5	S4	S3	S0	S1
24.95	S4	S3	S3	S0	S1
29	S4	S3	S2	S0	S1

Note: S9=50 $\mu$ V in 50 $\Omega$ , 6dB/S-unit.

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# Expected ambient noise level

(per ITU-R P.372-8)

## Field Strength (dB $\mu$ A/m) (9kHz measurement bandwidth)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	-33.0	-37.3	-42.6	-56.5	-56.6
3.6	-35.3	-39.6	-44.9	-59.0	-57.4
7.1	-37.5	-41.8	-47.1	-61.5	-58.3
10.1	-38.7	-43.0	-48.3	-62.8	-58.8
14.2	-39.8	-44.1	-49.4	-64.1	-59.2
18.1	-40.7	-45.0	-50.3	-65.0	-59.5
21.2	-41.2	-45.5	-50.8	-65.6	-59.8
24.95	-41.7	-46.0	-51.3	-66.2	-60.0
29	-42.2	-46.5	-51.8	-66.7	-60.2

## Field Strength (dB $\mu$ A/m) (1Hz measurement bandwidth)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	-72.6	-76.9	-82.2	-96.0	-96.1
3.6	-74.8	-79.1	-84.4	-98.5	-97.0
7.1	-77.1	-81.4	-86.7	-101.0	-97.9
10.1	-78.2	-82.5	-87.8	-102.4	-98.3
14.2	-79.4	-83.7	-89.0	-103.6	-98.8
18.1	-80.2	-84.5	-89.8	-104.5	-99.1
21.2	-80.7	-85.0	-90.3	-105.1	-99.3
24.95	-81.3	-85.6	-90.9	-105.7	-99.5
29	-81.8	-86.1	-91.4	-106.3	-99.7

## Received power in 2kHz, lossless isotropic antenna (dBm)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	-70.6	-74.9	-80.2	-94.0	-94.1
3.6	-78.6	-82.9	-88.2	-102.3	-100.8
7.1	-86.8	-91.1	-96.4	-110.7	-107.6
10.1	-91.0	-95.3	-100.6	-115.1	-111.1
14.2	-95.1	-99.4	-104.7	-119.3	-114.5
18.1	-98.0	-102.3	-107.6	-122.4	-116.9
21.2	-99.9	-104.2	-109.5	-124.3	-118.5
24.95	-101.9	-106.2	-111.5	-126.3	-120.1
29	-103.7	-108.0	-113.3	-128.2	-121.6

## Received power in 2kHz, lossless isotropic antenna (S-units)

Frequency (MHz)	Business (Curve A)	Residential (Curve B)	Rural (Curve C)	Quiet rural (Curve D)	Galactic (Curve E)
1.85	S9	S9	S8	S5	S5
3.6	S8	S7	S6	S4	S4
7.1	S7	S6	S5	S3	S3
10.1	S6	S5	S4	S2	S3
14.2	S5	S5	S4	S1	S2
18.1	S5	S4	S3	S1	S2
21.2	S5	S4	S3	S0	S1
24.95	S4	S3	S3	S0	S1
29	S4	S3	S2	S0	S1

Note: S9=50 $\mu$ V in 50 $\Omega$ , 6dB/S-unit.

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