

The Decibel

$$\text{dB} = 10 \lg \frac{P_2}{P_1}$$

P: Power

$$\text{dB} = 20 \lg \frac{U_2}{U_1}$$

U: Voltage

dB	P	U	dB	P	U
0.5	1.12	1.06	19	79.4	8.91
1	1.26	1.12	20	100	10.0
2	1.58	1.26	25	316	17.8
3	2.00	1.41	30	1000	31.6
4	2.50	1.58	35	3160	56.2
5	3.16	1.78			
6	3.98	2.00	40	10 ⁴	100
7	5.01	2.24			
8	6.31	2.50	50	10 ⁵	316
9	7.94	2.82			
10	10.00	3.16	60	10 ⁶	10 ³
11	12.60	3.55			
12	15.80	3.98	70	10 ⁷	3160
13	20.00	4.47			
14	25.00	5.00	80	10 ⁸	10 ⁴
15	31.60	5.62			
16	39.80	6.31	90	10 ⁹	31600
17	50.10	7.08			
18	63.10	7.98	100	10 ¹⁰	10 ⁵

18-50 Nalepastr.

DDR 1160 Berlin, August 3, 1988

To Mr. Dexter

Many thanks for your QSL/reception report
of our programme

on 7/8/88 at 1954 UTC

on 13.61 MHz 22 (metres)

We look forward to hearing from you again
soon!

Radio
Berlin
International

The Voice of the
German
Democratic
Republic



Mr. Gerry L. Dexter
