

the street and

(aby)(1871)

- 33×10⁻³

- 15,700⁻³

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- 100 NJ

- 100 NJ #5 B, 2, y count matering I VIB, O Sin Could LIB, O Sin yB

E: 80 0: B(Hrino) 46 a) E = NHBW 19 VH = Usra(wt)

End =
$$L = \frac{1}{2}$$

At = $L = \frac{1}{2}$

By a conf = $L = \frac{1}{2}$

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By a conf = $L = \frac{1}{2}$

By a con

1-0.0498

= 0,950 or 95%

3 X = 2afL = 2(31/4)(10000 Hz)(6.05) X = 3140 L H/2 a) L = X = 2×10⁸ 2af 2(3.14)(15×10³) L = 2.12×10⁻² H b) X = 2afL = 2(3.14)(60)(2.12×10⁻²) X = 8.0 S 43 a) ac around will receive his impuney signal closer & grand lived and shall soul the higher frequency signal soul to the higher frequency signal s

₽/4

1416 2×10 'MC = WOM a) V= d 2d = 3×108 2 d = 3000 d= 1500m

. . .

13 a) NOUD - 1x10 W/m2 c) F= 12 (3.6x108) (42×10-7)(1x106) E= 2.7 x104 V/m DI Sind = nosing - no sind = no sind - no sind = no sind it will be on the left ride e7) Ich= 10mm x 10 = 600mm #5. a) V= C 3×108 - 2,25×10 m/s in water/14.10 V-C-3x108 = 2.29 x10 fa/s hice 2.29 ×08 = 1.02 b) sin 02 - 1.373 sin 30 02 = sin'(0.509)

	16 a) do + d: +
	do di
	do - ndo = f
1	· ndo of f
	$\frac{1}{do} = \frac{1}{f} = \frac{1}{do}$
j.	$\frac{f}{fd_0} = \frac{do}{fd_0} = \frac{1}{Ah}$ $\frac{fd_0}{fd_0} = A do$
	fdo fdo
	fdo = ndo
	f do
	-fd6 = m
L.	-fd6 = m (f-dolds)
L'3	f = m
	f-do
U >	
レ	
1>	
1.4	