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$$\frac{7}{1_A} = \frac{2_A - 2_o}{2_A + 2_o} = \frac{0.15 \cdot 2_o - 2_o}{0.15 \cdot 2_o + 2_o}$$

$$= \frac{0.75}{1.25} = 0.6 + jo$$

$$t = \tan^{-1} \left(\frac{0}{0.6} \right) = 0^{0}$$

$$SWR = \frac{1 + |T_A|}{1 - |T_A|} = \frac{1 + O_1 \delta}{1 - O_1 \delta} = 4$$

a.1. 25 dBm

$$\left| \prod_{A} \right| = \frac{\sqrt{1}}{\sqrt{1}}$$

$$V^{2+} = V^{+} - V^{-} = 0,36 - 0,1896 = 0,1264 \text{ W}$$

$$\beta = \frac{2\pi}{\lambda}$$

$$\left| \prod_{A} \right| = \frac{2(d) - 20}{2(d) + 20} > \frac{0.4720 + 30.0020 - 20}{0.4720 + 30.0020 + 20}$$

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