	Pr = Pt Gt Gr (AR)	Date.	1
$P_r = P_t G_t G_r \left(\frac{\lambda}{4R}\right)^2$ a) $R = S_m$. $P_r = 0.08 J_{NN} = -10.81 d_{Bm}$ b) $R = S_{00m}$, $P_r = -30.81 d_{Bm}$ c) $R = S_{00m}$, $P_r = -50.81 d_{Bm}$ 1.2 $G_t = 20 d_{B} = 100^{\circ}$, $G_{1r} = (S_{0d} = 31.62)$, $\lambda = \frac{4}{7} = 0.3 m$ $P_r = P_t G_t G_r \left(\frac{\lambda}{4R}\right)^2 \cdot (1-\Gamma)$	苏邓顺 2019010448 天线HW6	. .	
$P_r = P_t G_t G_r \left(\frac{\lambda}{4R}\right)^2$ a) $R = S_m$. $P_r = 0.08 J_{NN} = -10.81 d_{Bm}$ b) $R = S_{00m}$, $P_r = -30.81 d_{Bm}$ c) $R = S_{00m}$, $P_r = -50.81 d_{Bm}$ 1.2 $G_t = 20 d_{B} = 100^{\circ}$, $G_{1r} = (S_{0d} = 31.62)$, $\lambda = \frac{4}{7} = 0.3 m$ $P_r = P_t G_t G_r \left(\frac{\lambda}{4R}\right)^2 \cdot (1-\Gamma)$			
$P_r = P_t G_t G_r \left(\frac{\lambda}{4R}\right)^2$ a) $R = S_m$. $P_r = 0.08 J_{NN} = -10.81 d_{Bm}$ b) $R = S_{00m}$, $P_r = -30.81 d_{Bm}$ c) $R = S_{00m}$, $P_r = -50.81 d_{Bm}$ 1.2 $G_t = 20 d_{B} = 100^{\circ}$, $G_{1r} = (S_{0d} = 31.62)$, $\lambda = \frac{4}{7} = 0.3 m$ $P_r = P_t G_t G_r \left(\frac{\lambda}{4R}\right)^2 \cdot (1-\Gamma)$	Gr=Gt=16.3dB=42.66 , A= Cf=3x102m		
a) $R = 5m$, $P_{r} = 0.08 \text{ ym} = -10.8 \text{ ld bm}$ b) $R = 50m$, $P_{r} = -30.8 \text{ ld bm}$ c) $R = 500m$, $P_{r} = -50.8 \text{ ld bm}$ 1.2 ($f_{t} = 20 \text{ db} = 100^{\circ}$, $G_{r} = 15 \text{ db} = 31.62^{\circ}$, $\lambda = \frac{9}{7} = 6.3 \text{ m}$ $P_{r} = P_{t} G_{t} G_{r} \left(\frac{\lambda}{42}R\right)^{2} \cdot (1-\Gamma)$ 广为圆板化发送,线板纸接收接样 = $\frac{1}{2}$ $P_{r} = 0.135 \text{ mW} = -8.6 \text{ ld bm}$ 2. $P_{r} = 0.135 \text{ mW} = -8.6 \text{ ld bm}$ $P_{r} = P_{t} G_{r}^{2} O \cdot \frac{1}{42} \left(\frac{\lambda}{42}R\right)^{2}$ a) $P_{r} = P_{t} G_{r}^{2} O \cdot \frac{1}{42} \left(\frac{\lambda}{42}R\right)^{2}$ a) $P_{r} = -50.4 \text{ ld bm}$ b) $P_{r} = -50.4 \text{ ld bm}$			
1.2 (At=20dB=100, Gr-15dB=31.62 , A=4f=6.3m Pr=PtGtGr(AR)^2·(1-1) 广为圆板化发送,线板设施收据=2 Pr=0.135mW=-8.69dBm 2.1 O=7a^2=252\lambda^2 , G=42.66 , \lambda=4f=3x(0-2m) Pr=PtG^2O·4z(AR)^2 a) R=200A, Pr=-50.46dBm b) R=5bo\lambda, Pr=-66.37dBm			
1.2 ($a_t = 20 de = 100$, $G_{r} = (5 de = 31.62)$, $\lambda = 4f = 6.3m$ $P_r = P_t G_t G_r (\frac{\lambda}{42}R)^2 \cdot (1-\Gamma)$ 广为圆柏化发送,线根化基地 1	b) R=50m, Pr= -30.8/dBm		
$G_{1} = 20 dB = 100$, $G_{1} = 15 dB = 31.62$. $\lambda = \frac{4}{7} = 6.3 m$ $P_{1} = P_{1} G_{1} G_{1} \left(\frac{\lambda}{42}R\right)^{2} \cdot (1-\Gamma)$ 广为国格化发送,线根化接收损耗 = 2 $P_{2} = 0.135 mW = -8.69 dBm$ $P_{3} = 20.135 mW = -8.69 dBm$ $P_{4} = 20.135 mW = -8.69 dBm$ $P_{5} = P_{1} G^{2} G \cdot \frac{1}{42} \left(\frac{\lambda}{42}R\right)^{2}$ a) $P_{5} = P_{1} G^{2} G \cdot \frac{1}{42} \left(\frac{\lambda}{42}R\right)^{2}$ a) $P_{5} = -8.64 dBm$ b) $P_{5} = -8.64 dBm$ $P_{5} = -8.64 dBm$ $P_{5} = -8.64 dBm$	c) R=500m, Pr = -50. 81dBm		
$G_{1} = 20 dB = 100$, $G_{1} = 15 dB = 31.62$. $\lambda = \frac{4}{7} = 6.3 \text{ m}$ $P_{1} = P_{1} G_{1} G_{1} \left(\frac{\lambda}{42}R\right)^{2} \cdot (1-\Gamma)$ 广为圆柏北发送,线根北接地接来 = $\frac{1}{2}$. $P_{2} = 0.135 \text{ mW} = -8.69 \text{ dBm}$ $2. $ $C = Za^{2} = 25Z\lambda^{2}$. $G = 42.66$. $\lambda = \frac{4}{7} = 3 \times (0^{-2} \text{ m})$ $P_{1} = P_{1} G^{2} C \cdot \frac{1}{4} Z \left(\frac{\lambda}{42}R\right)^{2}$ a) $R = 200 \lambda$. $P_{1} = -50.46 \text{ dBm}$ b) $R = 500 \lambda$. $P_{2} = -66.37 \text{ dBm}$			
$P_r = P_t G_t G_r (\frac{\lambda}{4ZR})^2 \cdot (1-\Gamma)$ 广为国格化发送,线根代接收换耗 = $\frac{1}{2}$:: $P_r = 0.135 \text{ mW} = -8.69 \text{ dBm}$ 2. $O = ZA^2 = 25Z\lambda^2$, $G = 42.66$, $\lambda = \frac{4}{7}f = 3\times(0^{-2}\text{m})$ $P_r = P_t G_t^2 O \cdot \frac{1}{4Z} (\frac{1}{4ZR})^2$ a) $R = 200\lambda$, $P_r = -50.46 \text{ dBm}$ b) $R = 500\lambda$, $P_r = -66.3$ dBm		6.3m	
:. $P_{r} = 0.135 \text{ mW} = -8.69 \text{ dBm}$ 2. $O = ZA^{2} = 25Z\lambda^{2}$, $G = 42.66$, $\lambda = \frac{C}{f} = 3 \times (0^{-2} \text{m})$ $P_{r} = P_{t} G^{2}O \cdot \frac{1}{4Z} (\frac{1}{4Z}R^{2})^{2}$ a) $R = 200\lambda$, $P_{r} = -50.46 \text{ dBm}$ b) $R = 500\lambda$, $P_{r} = -66.37 \text{ dBm}$ 7.2			战损耗=2
2. $O = 7a^{2} = 257\lambda^{2}$, $G = 42.66$, $\lambda = \frac{1}{2}f = 3x(0^{-2}m)$ $Pr = Pt G^{2}O \cdot \frac{1}{42}(\frac{\lambda}{42}R^{2})^{2}$ a) $R = 200\lambda$, $Pr = -50.46dBm$ b) $R = 500\lambda$, $Pr = -66.3$ dBm 7.2		11.	
$\sigma = \chi \alpha^2 = 25\chi \lambda^2$, $G = 42.66$, $\lambda = \frac{C}{f} = 3 \times (\sigma^{-2} m)$ $P_r = P_t G^2 \sigma \cdot \frac{1}{4\chi} (\frac{1}{4\chi} R^2)^2$ a) $R = 200 \lambda$, $P_r = -50.46 dBm$ b) $R = 500 \lambda$, $P_r = -66.37 dBm$ 7.2			
$P_{r} = P_{t} G^{2} \sigma \cdot 4 \chi (4 \chi R^{2})^{2}$ a) $R = 200 \lambda$, $P_{r} = -50.46 dBm$ b) $R = 500 \lambda$, $P_{r} = -66.37 dBm$	2.		
$P_{r} = P_{t} G^{2} \sigma \cdot 4 \chi (4 \chi R^{2})^{2}$ a) $R = 200 \lambda$, $P_{r} = -50.46 dBm$ b) $R = 500 \lambda$, $P_{r} = -66.37 dBm$	0 = 702 = 25222 , G = 42.66 , N= (f = 3x10-2h	<u> </u>	
b) R=500x, Pr=-66.37 dBm	· · · · · · · · · · · · · · · · · · ·		
7.2	a) R= 200 A , Pr = - 50.46dBm		
G=15dB=31.62, N= Vf = 0.1m, PLF=-1dB=0.794, 0=0.862 Pr=PtG20.42(4182)2. PLF=3.44x10-11W	7.2		
Pr = Pt G2 o. 42 (42)2. PLF = 3.44 x10-11 W	G=15dB=31.62, N=Yf=0.1m, PLF=-1dB=0	1.794.	0 = 0.86 22
	Pr = PtG20.42(4282)2. PLF = 3.44x10-11 W		
			ーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーー