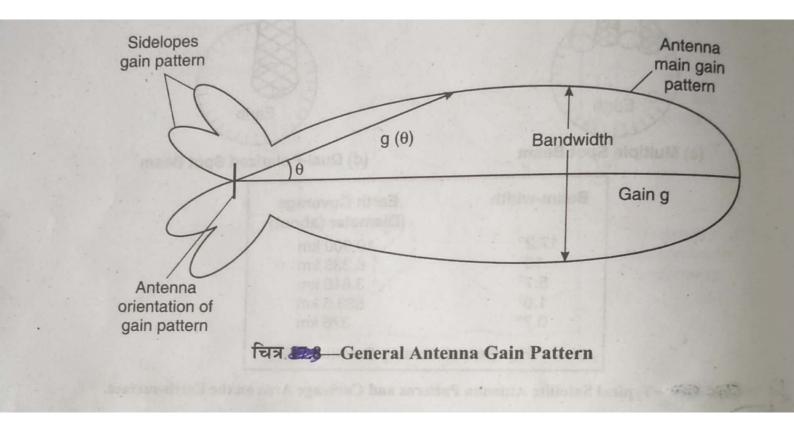
4-14/2020 D-2191 and one Head (Grain Pattern of Antenna) a) satellike communication is Ankana Dan Horcy area Elet El क्यों कि रुतीना के लाका (gain) पर ही प्राप्त किमानल की सावित (Nower) 311 entra (depend) ZEST & 2-21-11 and 514: 321an main Pattern g (KI TRAITER Part WILT & wil TE प्रशिक्षत व्यरता है कि ए-रीना के निरंशाक (co-ordinates) के सापेश 20-21-1 al Partir Man (gein) Parks (Distoubute) &1 2) 27- 21-11 and Two-dimentional angle function (18 Party and) सामतीप कार्ग) 6 8 के रवप में की प्रदेशित कर सकत है. Hat far fur & Gazarur Jim & -> Antenna de HErayor parameter (HIHER) FILA &_



- O Grain (orfor):- gain pattern () + 42 f) and 31 ference 4
- Beam Width (alm Msis) Tome and The saferman
- Side lobes (0) of 2005): for 3181 1/211311 (off AXIS)

 direction) It It at 1117 3thermal communication system It

 Antenna and 341 5 and HIST (mount) and 2 for 34th 324

 therma (highly directional) gain fathern 514 ET on fan

 Lianof an Tasa (Harrow beam width) It stretand onto and

 lighly concentrated (344 20 and 617) 22and ET out 1004 ET

 and 2005 (side lobes) 402 ET
- Thumbrule (The form) on 375/17, 20th Anterna on 31 sterman and (grand and (grand) day half bower beam width (31 sterman and start and sterman width (63 dB) team width (63 dB)

$$\frac{\partial max}{\partial rad a} = \frac{1}{\sqrt{2}}$$

$$\frac{\partial rad a}{\partial rad a} = \frac{57.3 \lambda}{\sqrt{2}}$$

$$\frac{\partial rad a}{\partial rad a} = \frac{57.3 \lambda}{\sqrt{2}}$$

$$\frac{\partial rad a}{\partial rad a} = \frac{75 \lambda}{\sqrt{2}}$$

$$\frac{\partial rad a}{\partial rad a} = \frac{75 \lambda}{\sqrt{2}}$$

d = 1321 2-2/11 and 24x4x 95/17 20217 2014 (Cross section diameter), on to

n = 2.8/1 at 421/18 (Efficiency factor)

(n = 50 to 65% for dish Artenna & 65 to 80% for

thorn Artenna)

1 = force Space wave length, min

y = = = 300 × 10 g 111) f = forequency of electromagnetration wave (in the Ques: - Dan of Fear anen is tailled estellite 4x montered माउन्टेड छिरा रुन्टीना दारा ट्रांसिटेड बील 150 व्या कोग वनारी है। यदि आश्री 4643 तथा दश्या 554. होती 21-8-11 al Panie Ella alimp 0300 = 57.3 1 d m 0300 = 57.31 [n = 55/= 55 -0.85] Prob = 771 0340 = 15°. $C_1 = \frac{300 \times 10^3}{6(03 dB)^2} = \frac{300 \times 10^3}{15^2} = 133$ we know that $1 = \frac{300 \times 10^6}{4 \times 10^9} = \frac{0.3}{4} = 0.075 m$ digneter (CUTTO) of dish Antenna d = 771 = 77x 0.075 d = 0.385 m G = 133 } Approx.
d = 0:385 } Ans