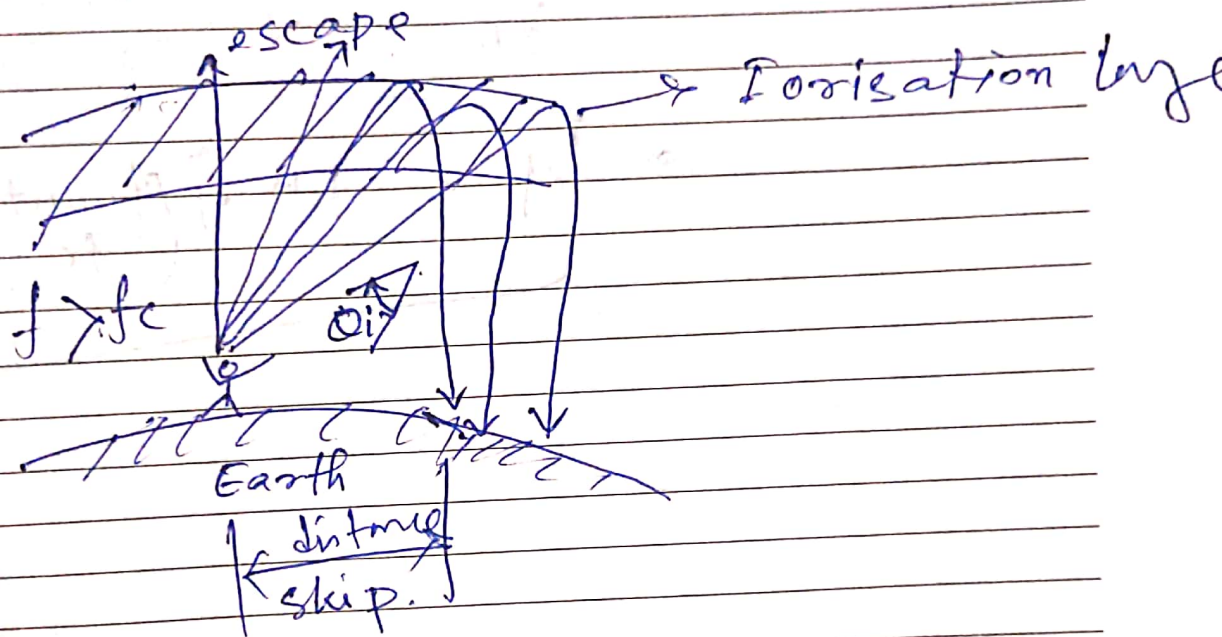


Skip Distance :-

The skip distance is the shortest distance from a transmitter measured along with earth surface at which sky wave of fixed frequency ($> f_c$) will be returned to earth.



Sky wave propagation is possible for f greater than skip distance.

→ eqⁿ of f_{max} and f_c is

$$f_{MUF} = f_c \sqrt{1 + (d/24)^2}$$

$$\frac{f_{MUF}}{f_c} = \sqrt{1 + (d/24)^2}$$

DECEMBER '11						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
	26	27	28	29	30	31

Week-48 • 326-039

Appointment or $\left(\frac{f_{max}}{f_c}\right)^2 = 1 + \left(\frac{d}{2H}\right)^2$

or $\left(\frac{d}{2H}\right)^2 = \left(\frac{f_{max}}{f_c}\right)^2 - 1$

or $\frac{d}{2H} = \sqrt{\left(\frac{f_{max}}{f_c}\right)^2 - 1}$

or $d = 2H \sqrt{\left(\frac{f_{max}}{f_c}\right)^2 - 1}$

NOVEMBER '11						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

Birthday / Anniversary