

MPE calculation for One Touch X030

$$S = (0.0795 * 10^{((P + G) / 10)}) / (d^2)$$

d = MPE distance in cm

P = Power in dBm

G = Antenna Gain in dBi

S = Power Density Limit in mW/cm²

BAND	GAIN(dBi)	POWER(dBm)	D(cm)	S
GSM850	1.4	32.5	20	0.48
GSM900	0.68	32.5	20	0.413
DCS1800	3.37	29.5	20	0.385
PCS1900	2.99	29.5	20	0.353
UMTS2100	3.26	22.8	20	0.08
UMTS1900	3.4	22.8	20	0.083
UMTS850	1.4	23	20	0.055