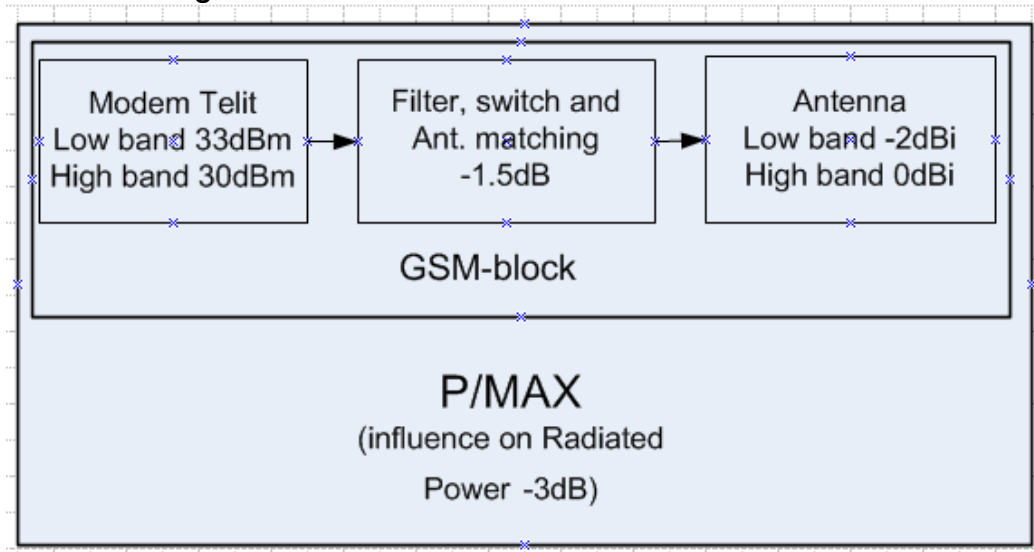


Antenna Gain and Power budget of GSM-USA blocks with Powermax Pro control panel, FCC ID:GSAPWRMAXPRO

1. Antenna Gain in the open space:

Low Band	824-849 MHz	G=-2 dBi
High Band	1850-1910 MHz	G=0 dBi

2. Power budget



Calculation of max Radiated Power for low band (824-849 MHz):

$$P = 33 \text{ dBm} - 1.5 \text{ dB} - 2 \text{ dB} - 3 \text{ dB} = 26.5 \text{ dBm}$$

Calculation of max Radiated Power for high band (1850-1910 MHz):

$$P = 30 \text{ dBm} - 1.5 \text{ dB} - 0 \text{ dB} - 3 \text{ dB} = 25.5 \text{ dBm.}$$

H e a d O f f i c e

24 Habarzel Street Tel Aviv 69710 Israel

Postal Address P.O.B 22020 Tel Aviv 61220 Israel

Tel: 972 3 6456789 Fax: 972 3 6456788 www.visonic.com