

```
195 static void psycho_3_powerdensitiespectrum(FLOAT energy[BLKSIZE], FLOAT power[HBLKSIZE])
196 {
197     int i;
198     for (i = 1; i < HBLKSIZE; i++) {
199         if (energy[i] < 1E-20){
200             power[i] = -200.0 + POWERNORM;
201         }else{
202             //power[i] = 10 * log10(energy[i]) + POWERNORM;
203             int aux = (int)(energy[i]*10000);
204             if (aux > 511) aux=511;
205             power[i] = tablog10_psycho_3_powerdensitiespectrum[aux] + POWERNORM;
206         }
207     }
208 }
```