Prikaz izračuna značajki možemo vidjeti u tablici 1.

|  |  |  |
| --- | --- | --- |
| **Pomoćni parametri** | **Definicija** | **Jedinica** |
| N | Broj vrijednosti u UAE | # |
| t\_begin | Vrijeme početka UAE | s |
| t\_end | Vrijeme kraja UAE | s |
| t\_peak | Vrijeme pojave maksimalne amplitude UAE | s |
| i\_peak | indeks pojave maksimalne amplitude UAE | # |
| UAE\_y(i) | Vrijednost UAE za indeks i | V |
| peak\_threshold | Prag iznad kojeg vrijednost UAE postaje vrh | V |
| is\_peak(i) |  | 0 ili 1 |
| dB(U) |  | dB |
|  | Vrijednost UAE u amplitudnom spektru za frekvenciju f | V |
| f\_end | Minimalna frekvencija amplitudnog spektra UAE | Hz |
| f\_end | Maksimalna frekvencija amplitudnog spektra UAE | Hz |
| Total power |  |  |
| Partial power(f1, f2) |  | % |

|  |  |  |  |
| --- | --- | --- | --- |
| **Značajka UAE** | **Kratica** | **Izračun** | **Mjerna jedinica** |
| Rise time | RISE\_TIME |  | s |
| Counts to peak amplitude | CNT\_TO |  | # |
| Counts from peak amplitude | CNT\_FROM |  | # |
| Duration | DUR |  | s |
| Peak amplitude | PEAK\_AMP |  | V |
| Average frequency | AVG\_FREQ |  | Hz |
| Root mean square | RMS |  | V |
| Average signal level | ASL |  | dB |
| Initiation frequency | INIT\_FREQ |  | Hz |
| Reverbation frequency | REVB\_FREQ |  | Hz |
| Signal strength | SIG\_STR |  | Vs |
| Absolute energy | ABS\_ENG |  | aJ |
| Partial power 1 | PP1 |  | % |
| Partial power 2 | PP2 |  | % |
| Partial power 3 | PP3 |  | % |
| Partial power 4 | PP4 |  | % |
| Frequency centroid | FC |  | Hz |
| Peak frequency | PF |  | Hz |
| Weighted peak frequency | WPF |  | Hz |
| Amplitude of peak frequency | PF\_AMP | PF\_AMP = | V |
| Number of frequency peaks | PF\_CNT | PF\_CNT = sum(>RMS) | # |
| Total counts | TOTAL\_CNT | TOTAL\_CNT | # |
| Fall time | FALL\_TIME | FALL\_TIME *= t\_end – t\_peak* | s |

Dodaj značajku PP23 = 100-250 kHz na temelju literature [2]

Duration from peak amplitude na temelju literature [2.1]

WPF na temelju literature [3]

Total counts kao novu značajku.

. Unutar literature [2.1] za računanje značajki koristi se program AEwin čiji postupak računanja značajki je opisan unutar literature [2.2] uz određene modifikacije opisane u nastavku.