

Overtone Chart for Euphonium T.C.

Note: All sounding pitches are a major ninth lower than written. The differences between compensating and non-compensating instruments on fourth-valve combinations are clearly indicated.

| Partial | 0 | 2 | 1 | 1-2 | 2-3 | 4 | 2-4 | 1-3 | Compensating: 1-4 | Compensating: 1-2-4 | Compensating: 2-3-4 | Compensating: 1-3-4 | Compensating: 1-2-3-4 |
|-------------------------------------|---|---|---|-----|-----|---|-----|-----|----------------------|------------------------|------------------------|------------------------|--------------------------|
| 24th Partial (Sharp-Lower Slightly) | | | | | | | | | | | | | |
| 23rd Partial (Very Sharp-Unusable) | | | | | | | | | | | | | |
| 22nd Partial (Very Flat-Unusable) | | | | | | | | | | | | | |
| 21st Partial (Very Flat-Unusable) | | | | | | | | | | | | | |
| 20th Partial (Flat-Raise Slightly) | | | | | | | | | | | | | |
| 19th Partial (Flat-Raise Slightly) | | | | | | | | | | | | | |
| 18th Partial (Sharp-Lower Slightly) | | | | | | | | | | | | | |
| 17th Partial (Sharp-Lower Slightly) | | | | | | | | | | | | | |
| 16th Partial (Normal) | | | | | | | | | | | | | |
| 15th Partial (Flat-Raise Slightly) | | | | | | | | | | | | | |
| 14th Partial (Very Flat-Unusable) | | | | | | | | | | | | | |
| 13th Partial (Very Sharp-Unusable) | | | | | | | | | | | | | |
| 12th Partial (Sharp-Lower Slightly) | | | | | | | | | | | | | |
| 11th Partial (Very Flat-Unusable) | | | | | | | | | | | | | |
| 10th Partial (Flat-Raise Slightly) | | | | | | | | | | | | | |
| 9th Partial (Sharp-Lower Slightly) | | | | | | | | | | | | | |
| 8th Partial (Normal) | | | | | | | | | | | | | |
| 7th Partial (Very Flat-Unusable) | | | | | | | | | | | | | |
| 6th Partial (Sharp-Lower Slightly) | | | | | | | | | | | | | |
| 5th Partial (Flat-Raise Slightly) | | | | | | | | | | | | | |
| 4th Partial (Normal) | | | | | | | | | | | | | |
| 3rd Partial (Sharp-Lower Slightly) | | | | | | | | | | | | | |
| 2nd Partial (Normal) | | | | | | | | | | | | | |
| Fundamental (Normal) | | | | | | | | | | | | | |