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Nota di contenuto	1. Introduction and statement of the main results -- 2. More properties of the phase $[capital letter Pi](x, y, s)$ -- 3. Preliminaries -- 4. Semi-classical $[box](q)b,k$ and the characteristic manifold for $[box](q)b,k$ -- 5. The heat equation for the local operator $[box](q)s$ -- 6. Semi-classical Hodge decomposition theorems for $[box](q)s,k$ in some non-degenerate part of $E$ -- 7. Szegio kernel asymptotic for lower energy forms -- 8. Almost Kodaira embedding Theorems on CR manifolds -- 9. Asymptotic expansion of the Szegio kernel -- 10. Szegio kernel asymptotics and Kodairan embedding theorems on CR manifolds with transversal CR, $S^1$ actions -- 11. Szegio kernel asymptotics on some non-compact CR manifolds -- 12. The proof of Theorem 5.28.