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[1, 2]. The PAA Is Widely Used For High Gain Beam-forming And -scanning In Telecommunication [3], Microwave Imaging [4, 5], And Radar Applications [6]. Typical Radiating Elements Of The PAA Are The Dipole, Microstrip Patch, And Vivaldi Antenna. Among These,

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The Finished Probe Was Tested On A Steel Half Circle With The Corresponding Radius (100 Mm) And On The Olympus PAUT Test Piece. Good Results Could Be Obtained. Three Transverse Holes With A Diameter Of 1 Mm And A Distance Of 5 Mm To One Another Could Be Detected And Resolved. Key Words:ultrasonic, Phased Array, 1-3 Composite, Concave Probe Jan 1th, 2024

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