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A 324-Element Vivaldi Antenna Array For Radio Astronomy ...Reidet Al.: 324-element Vivaldi Antenna Array For Radio Astronomy Instrumentation 243 Fig. 2. Closed-form Versus Simulated H-plane Radiation Patterns. Table I Comparison Of The calculation And simulation results For The Salient Features Of Thee-and H-plane Radiation patterns. The Abbreviations bw, S₁₁, And Bw_{fn} Stand For beamwidth, Sidelobe Level, And Beamwidth First Nulls, respectively Feb 12th, 2024

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A Compact 2-18 GHz Halved Vivaldi Antenna . Ping Wang 1,2, Guangjun Wen 1, Yongjun Huang 1, And Haobin Zhang 3. 1 Centre For RFIC And System Technology . School Of Communication And Information ... Feb 25th, 2024
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16 Design Of A Wideband Widebeam Vivaldi Phased Array ...Measurement Of Vivaldi Tapered Slot Antenna (VTSA) With Stripline Feed Which Works At X-band Frequency With Widescan Capability Needed For Airborne Radar Systems. This Antenna Have High Gain, Wider Beamwidth, Wide Bandwidth And Easy In Fabrication. VTSA Satisfies The Requirements On The Maximum Feb 2th, 2024Dual-orthogonal Polarized Vivaldi Antenna For Ultra ...In Radar Or Through-wall Localization Systems Antennas With High Gain Are Desirable. The Common Phase Center Of Radiations For Both Polarizations Is Of Big Interest, Since It Has A Direct Influence On The Performance. One Of The Best Antennas For UWB Systems With Relatively High Gain And Convenient Time Domain Behavior Is A Vivaldi Antenna [1]. Feb 17th, 2024High Gain UWB Antipodal Vivaldi Antenna Design For GPR ...High Gain UWB Antipodal Vivaldi Antenna Design For GPR Application Bader AWAD1, Saeid KARAMZADEH2* Abstract: An Antipodal Vivaldi Antenna (AVA) With Dielectric Lens For Ground Penetrating Radar (GPR) Application Is Proposed. Impedance Bandwidth

And Antenna Gain Have Been Increased To 140 % (from 2.8 To 16 GHz) And 15 DBi Respectively. Apr 1th, 2024.

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