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High-Gain Modified Antipodal Vivaldi Antenna For Ultra-Wideband Applications E-ISSN: 2289-8131 Vol. 10 No. 1-12 57 Figure 2: Reflection Coefficient (S 11) For The CAVA And Proposed AVA Figure 3: Surface Current Distribution Of (a) Conventional AVA And (b) Modified AVA Figure 4: Realized Gain For Conventional And Proposed AVA (a) Feb 3th, 2024

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W1 L1 A Broadband Reflectarray Based On Vivaldi Antenna ...
Index Terms − Broadband, High Gain, Reflectarray, Vivaldi Antenna Array. I. INTRODUCTION Nowdays, It Becomes More And More Challenging To Satisfy The Ever-lasting Capacity-growing And Users-boosting Demands In Wireless Networks. For Example, Many Electronic Devices In Civil And Military Areas Are Jun 5th, 2024

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High 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. May 4th, 2024

Modified Ultra Wideband (UWB) Antipodal Vivaldi Antenna For 5G
Recently, Tapered Slits Antenna/TSA (also Called: Vivaldi Antenna) Has Attracted Attention Due To Their Ultra-wideband Bandwidth, High Gain, And End-fire Radiation Patterns. Vivaldi Antenna Was Firstly Introduced By P. J. Gibson [1]. May 7th, 2024