



Quietphone 12B PCB

WLA.01.A Antenna Test Results

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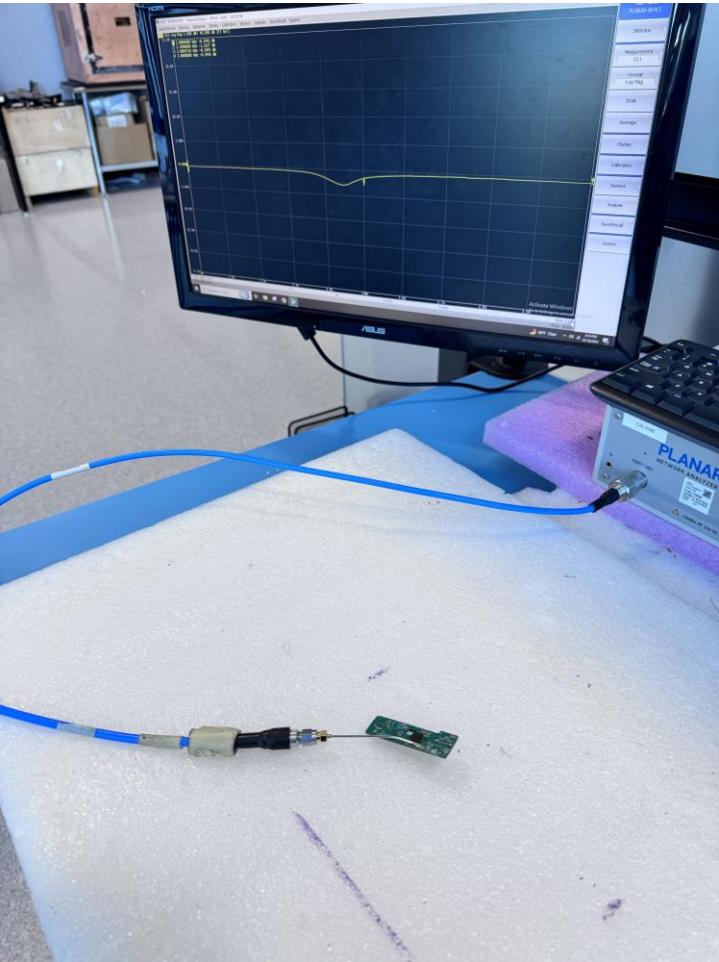
Summary

This report presents the performance test results of the WLA.01.A Taoglas Antenna when installed in the QuietPhone PCB.

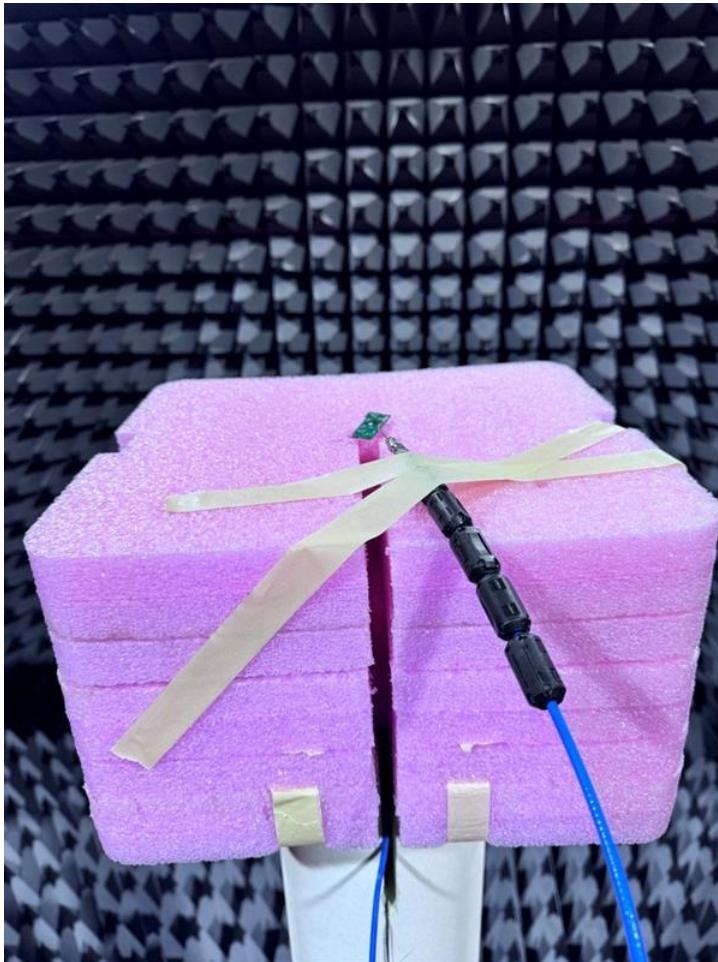
The results include Return Loss data measured using the VNA Planar 804/1 from Copper Mountain and Radiated Performance (Efficiency, Average Gain, Peak Gain and Radiation Patterns) measured using the MVG SG24L Anechoic Chamber.

Test Setup

Test Setup



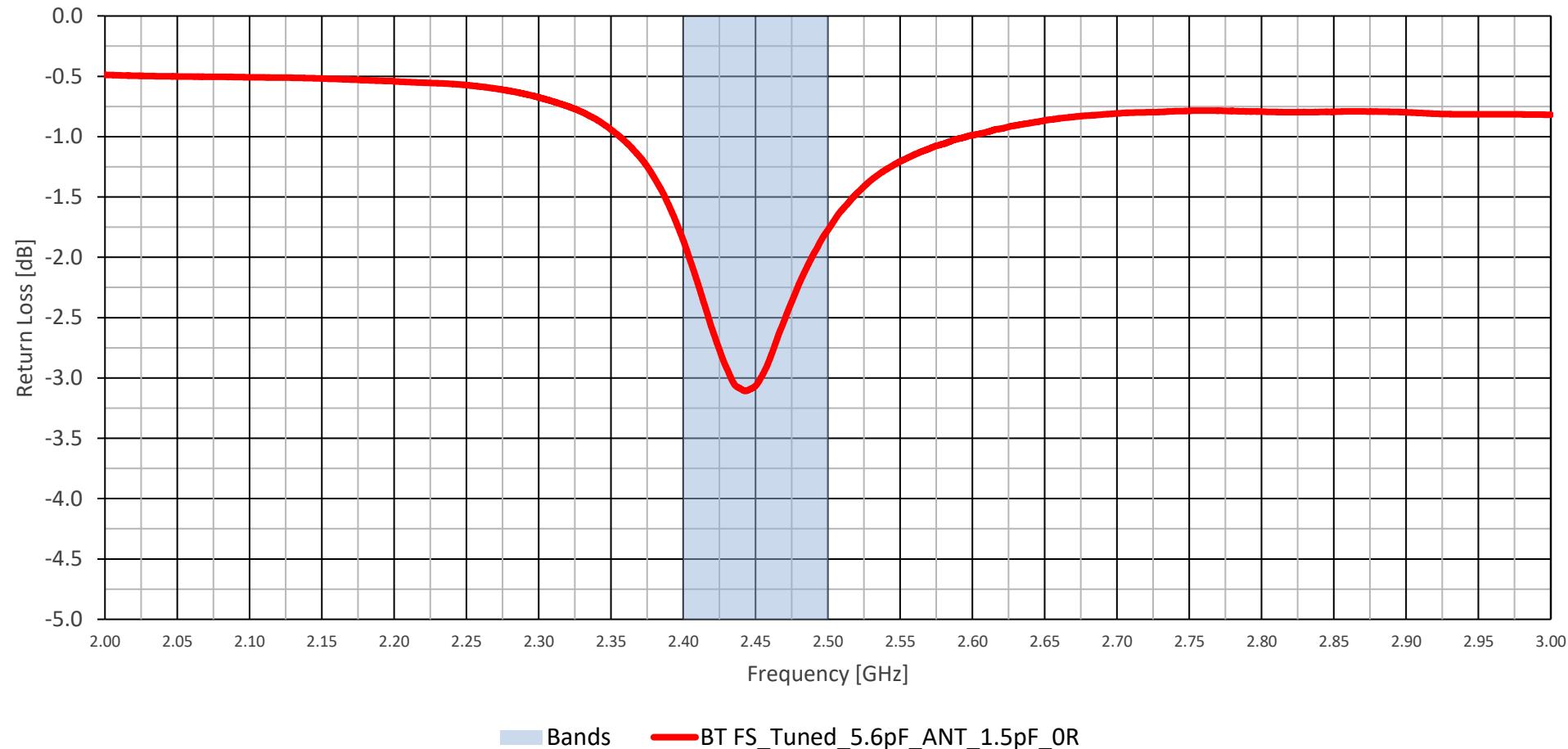
VNA Planar 804/1 test setup



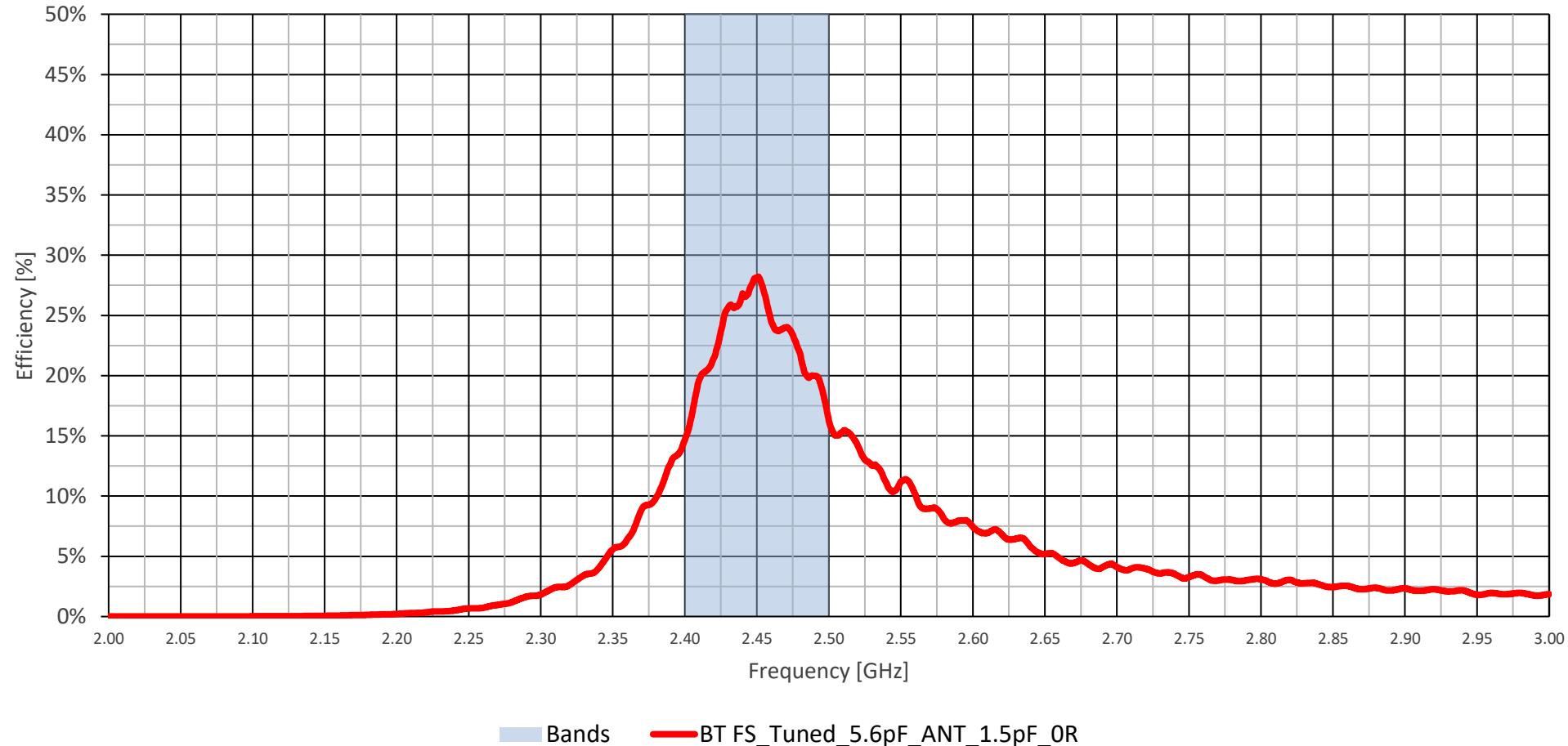
MVG SG24L test setup

Test Results

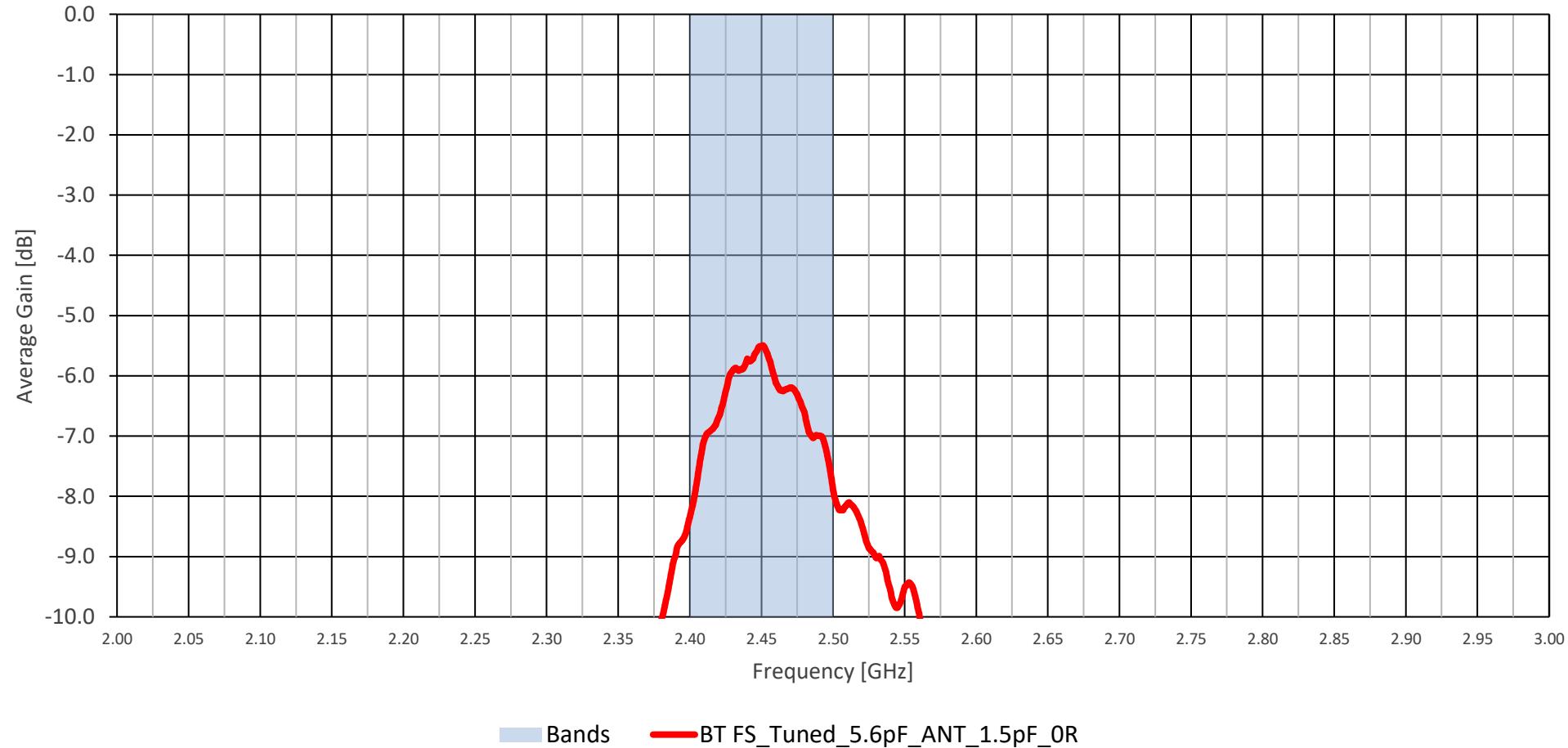
Return Loss [dB]



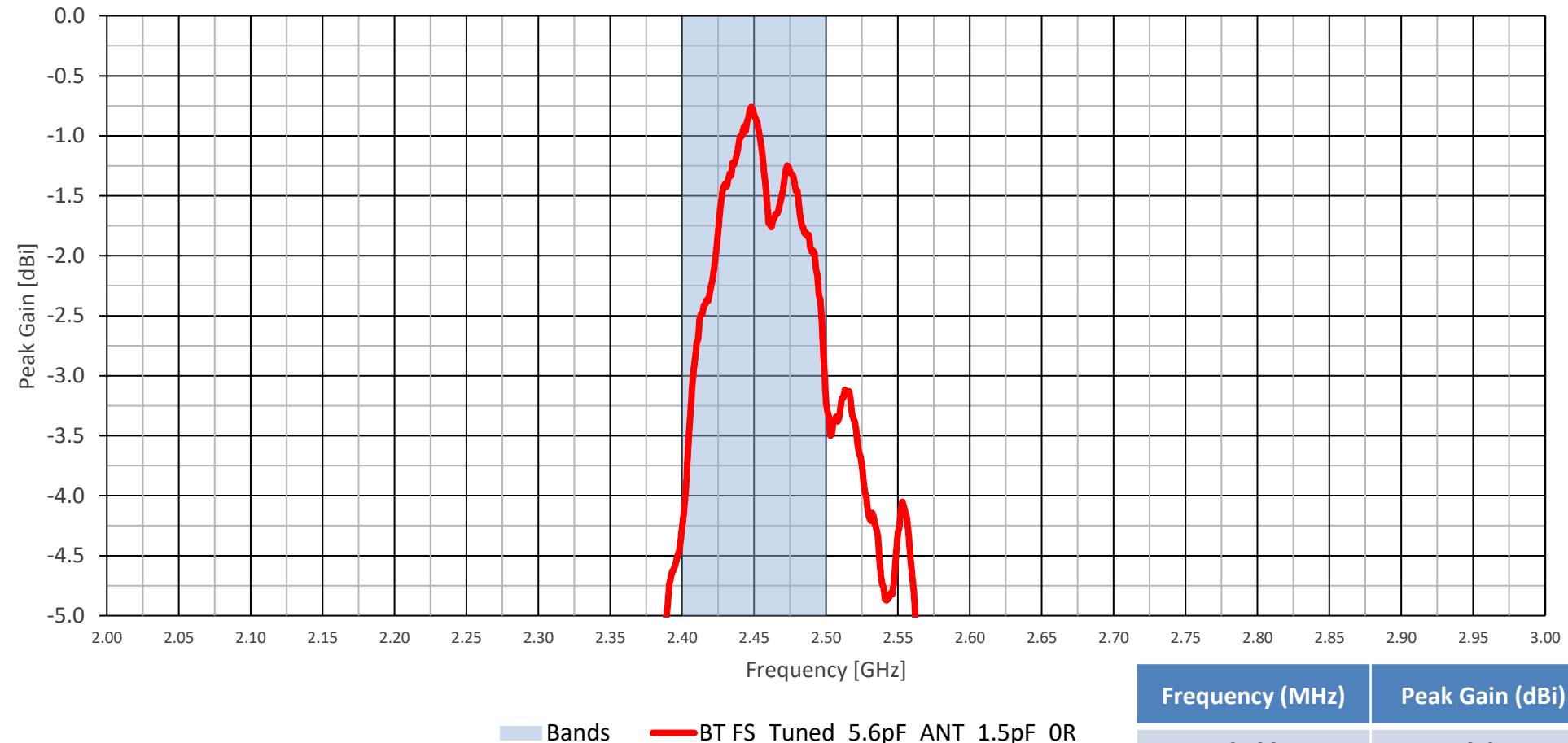
Efficiency [%]



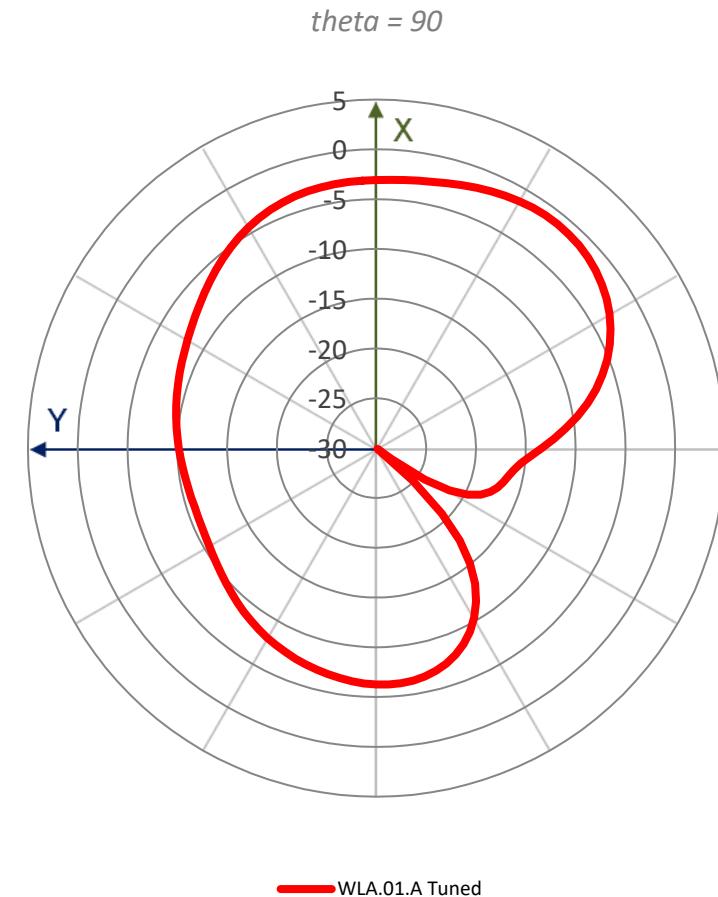
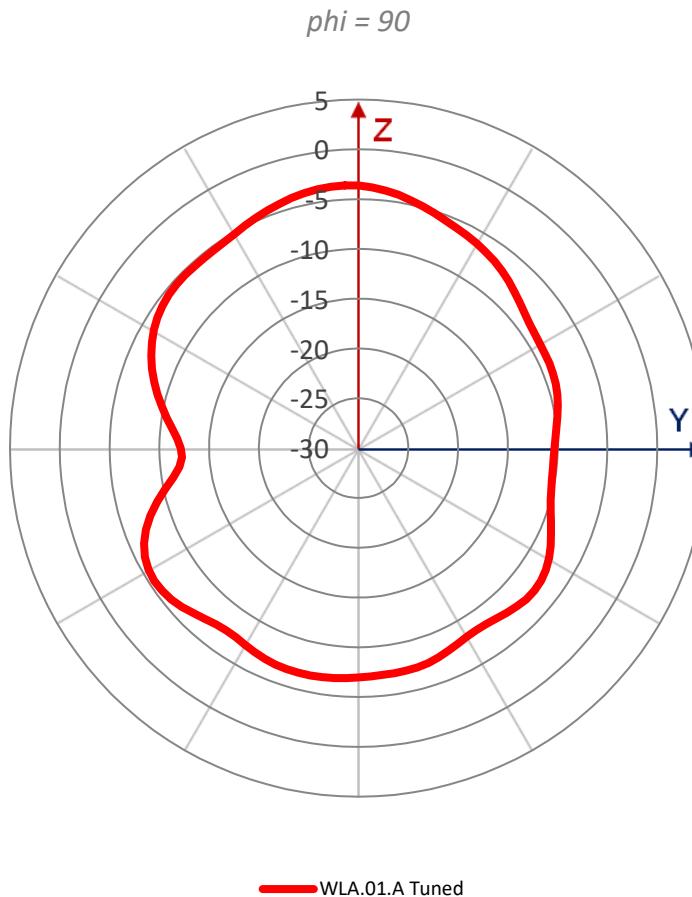
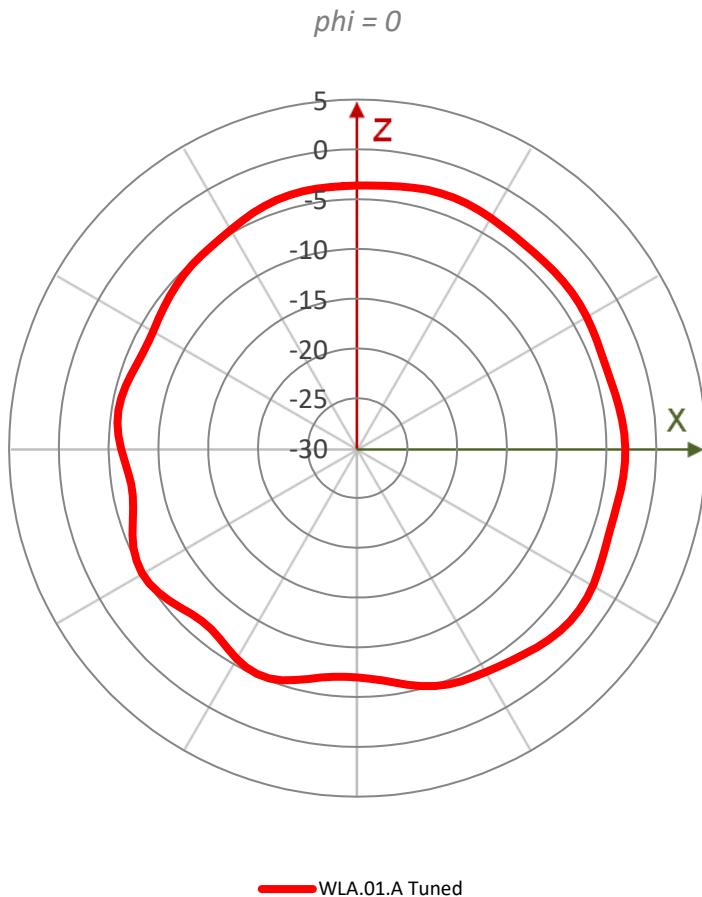
Average Gain [dB]



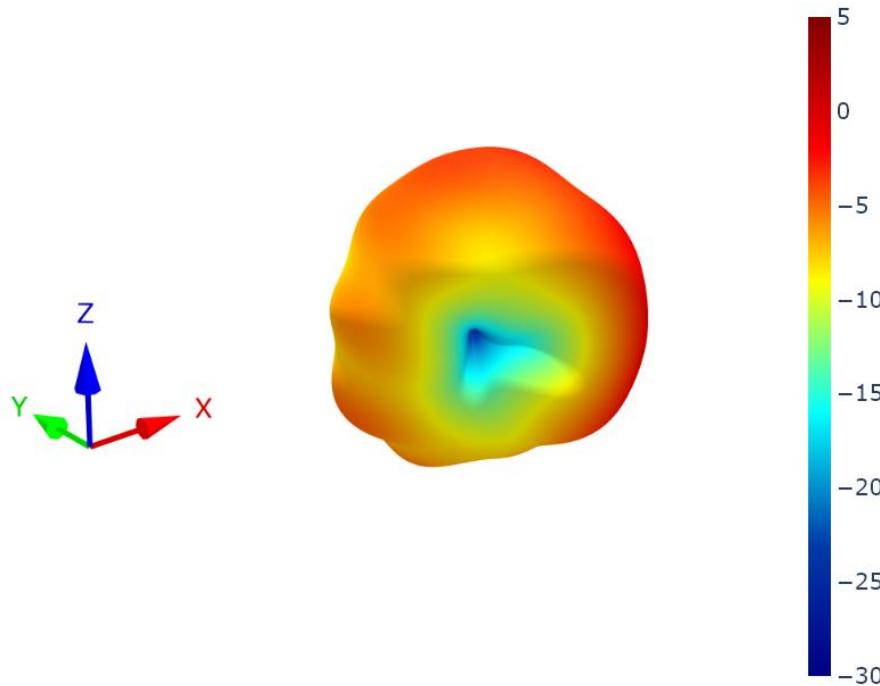
Peak Gain



2D Radiation Pattern @ 2450 MHz



3D Radiation Pattern @ 2450 MHz



WLA.01.A Antenna
Tuning Components: 5.6pF_1.5pF_0R