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Remarks

Approved by

EBS-41 Antenna Report

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1 Introduction

This report describes the EBS-41 external dipole antenna.

2 Conclusion

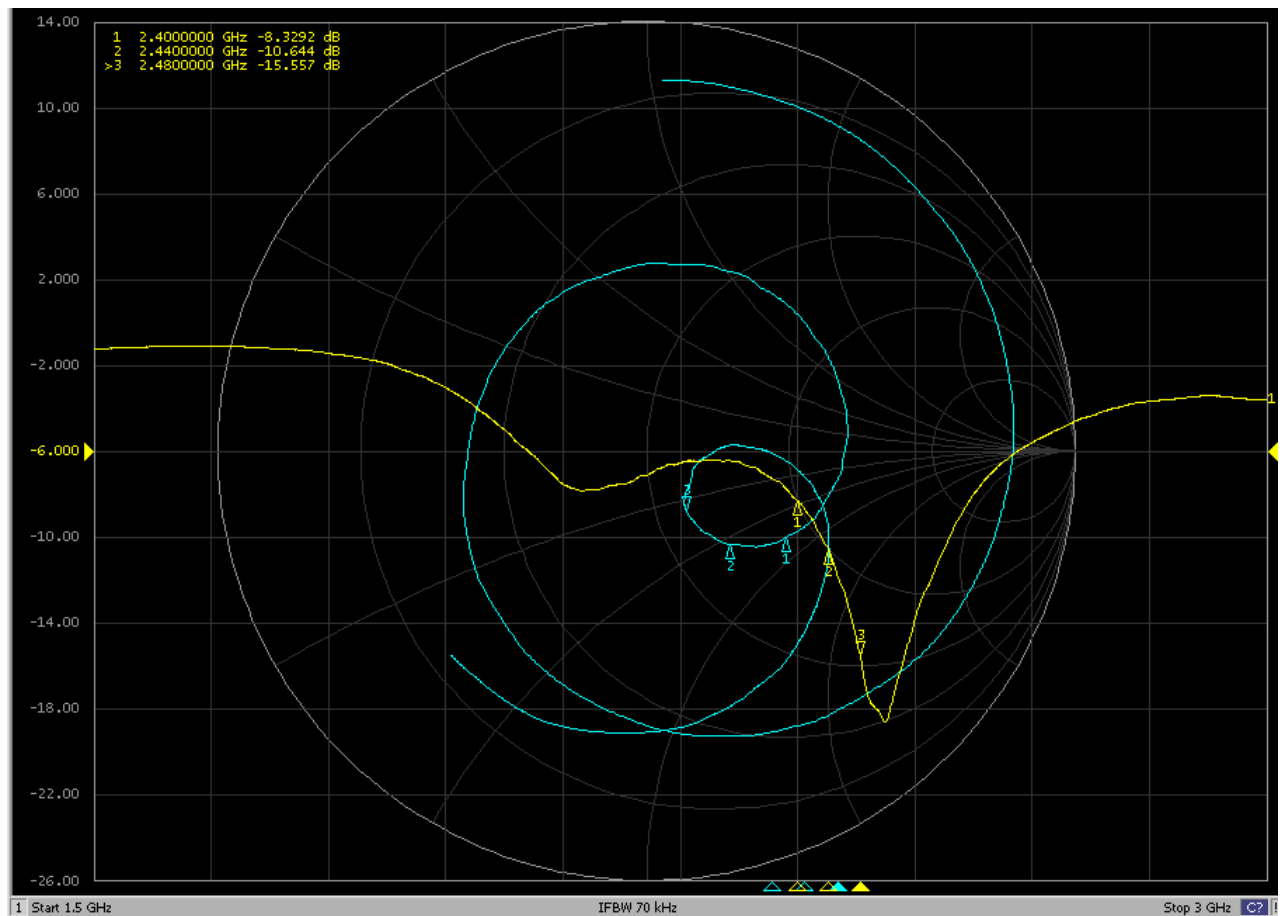
Measurements show that the external dipole antenna is operating as intended. The bandwidth 2400-2480MHz is well covered and matched by the external dipole antenna.

3 Measurements

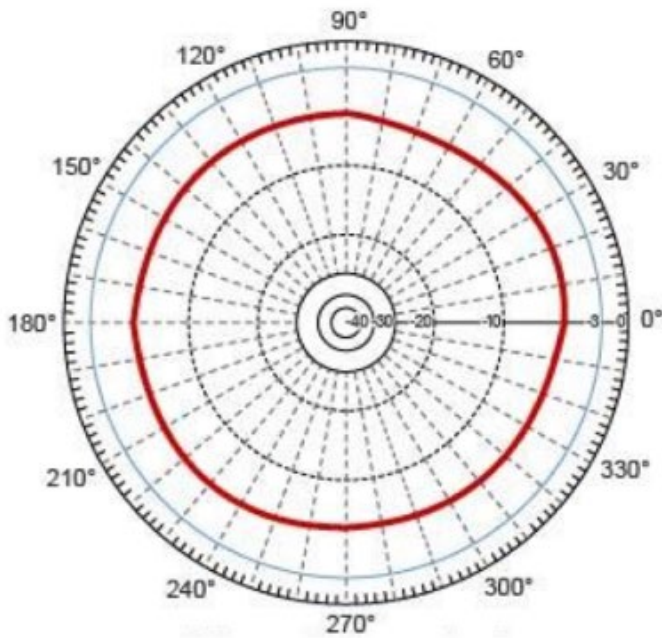
The measurements have been done in complete mechanics.

3.1 External Dipole Antenna

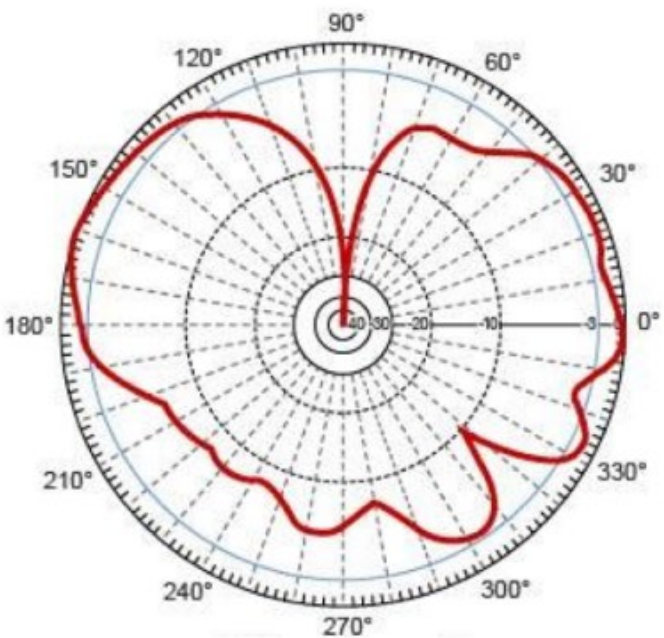
Measurements in NVA show that the antenna resonance is tuned and matched for the operational frequencies. External dipole antenna bandwidth @-6dB is 642MHz.



3.2 RF Antenna Pattern



Horizontal



Vertical