



Test Report of WLAN Antenna Cable Assembly For Wistron Canary Project

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Prepared: Jimmy Lin	Checked: Allen Lin	Approved: Hans JONG	Date: 10/14/2003
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1. General

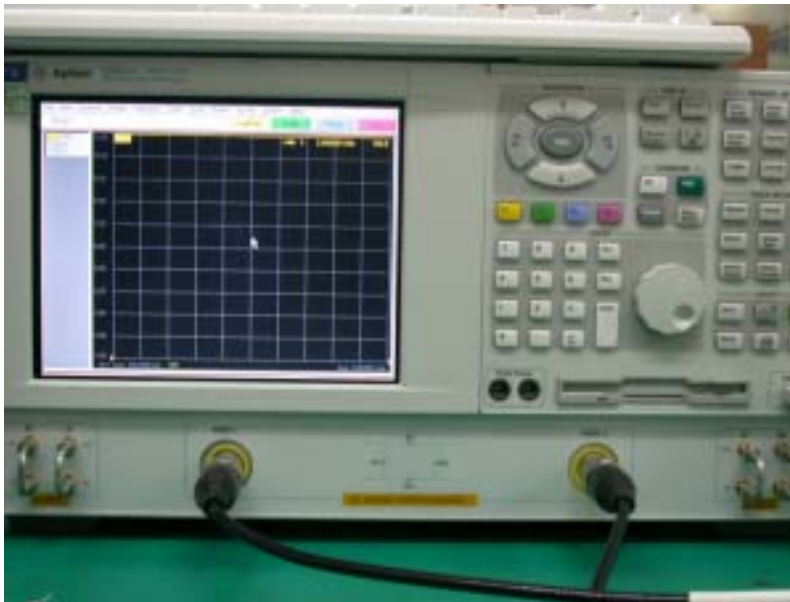
This document is the test result for PIFA . All test result are on the full set.

2. Test condition

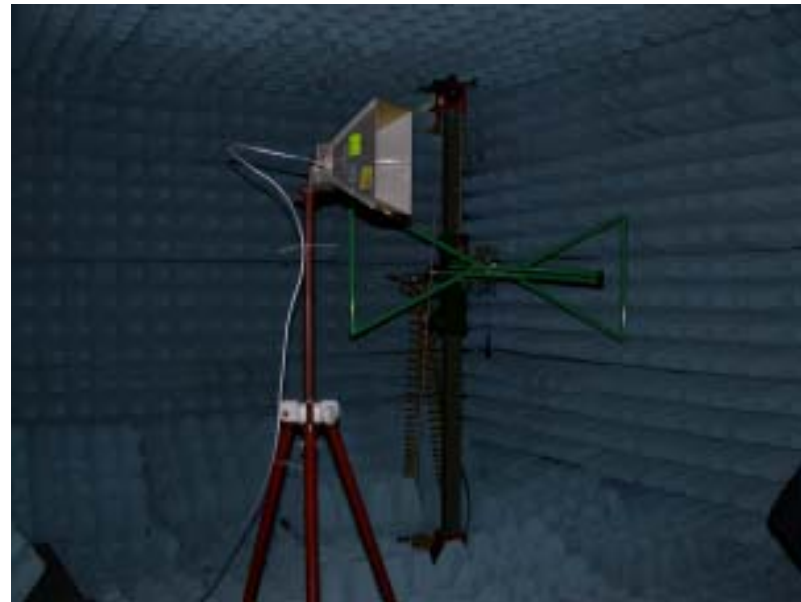
- (1) Temperature : 15 to 35 ° C
- (2) Humidity : : 25% to 85%
- (3) Atmospheric : 86kPa to 106kPa

3. Instrument:

(1). Network Analyzer: Agilent E8357A



(2) Chamber



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4. Describe

4-1 Photo:

Top Antenna

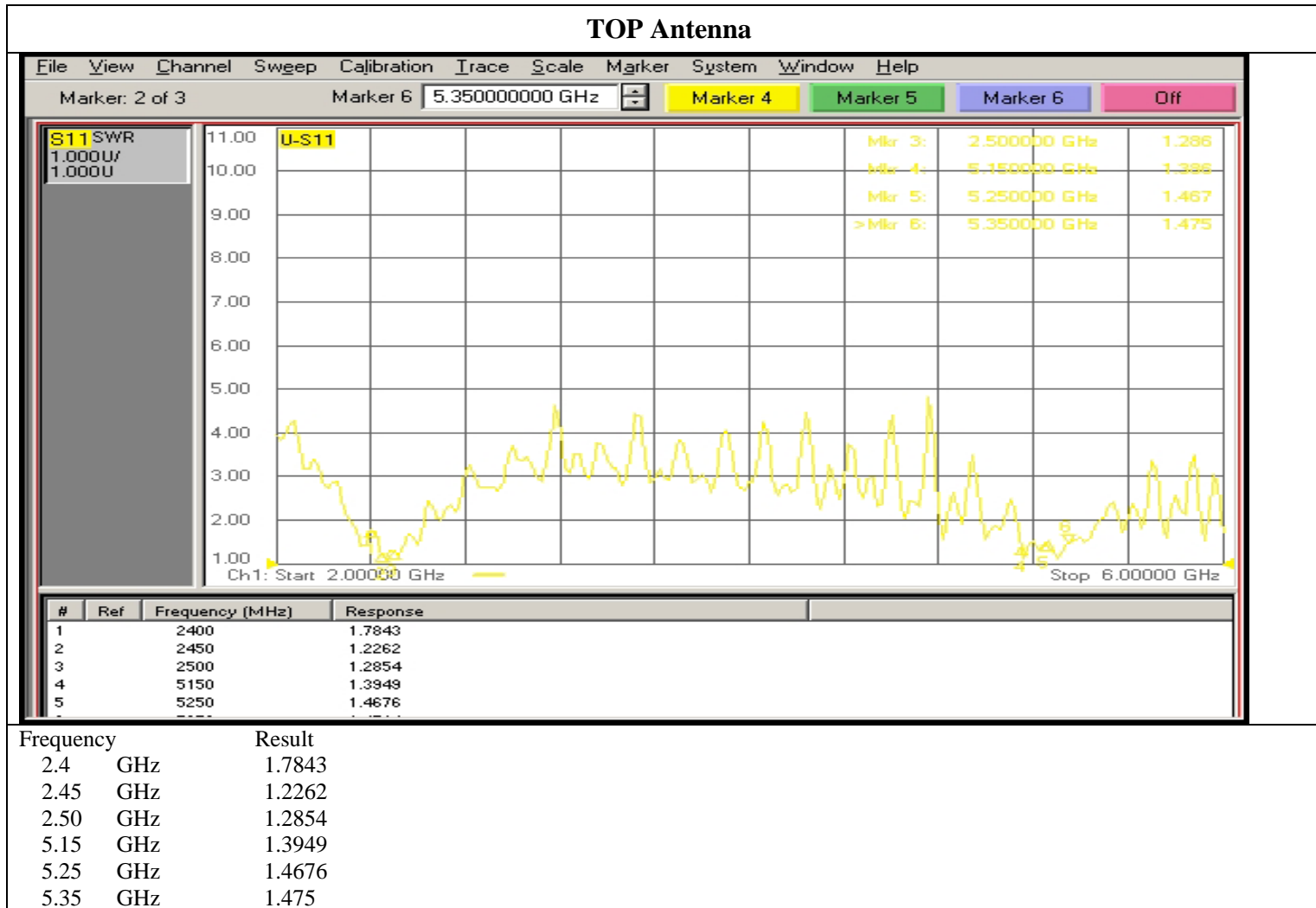


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4-2 Test result:

(a) S-parameter _SWR-Right

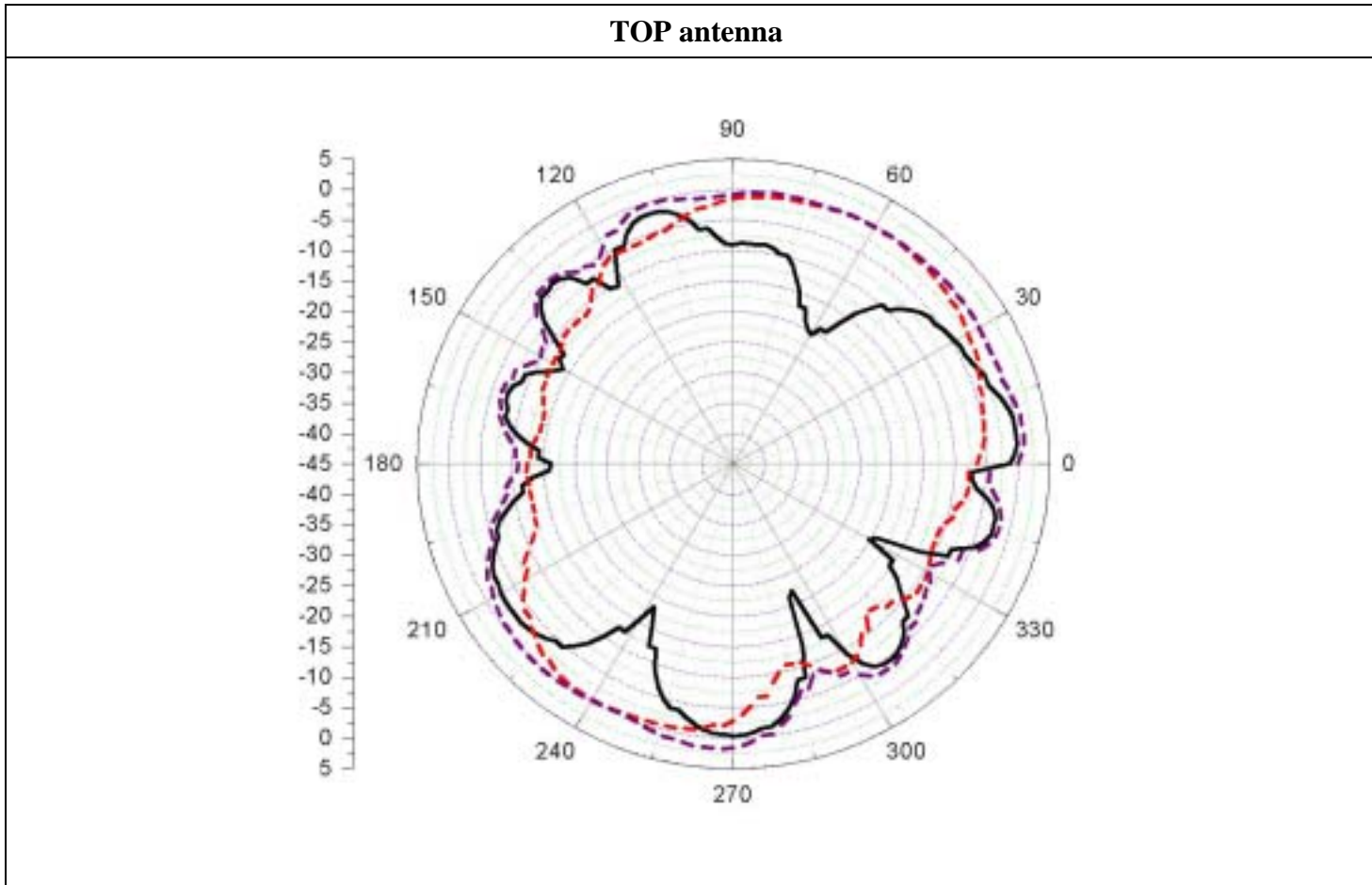


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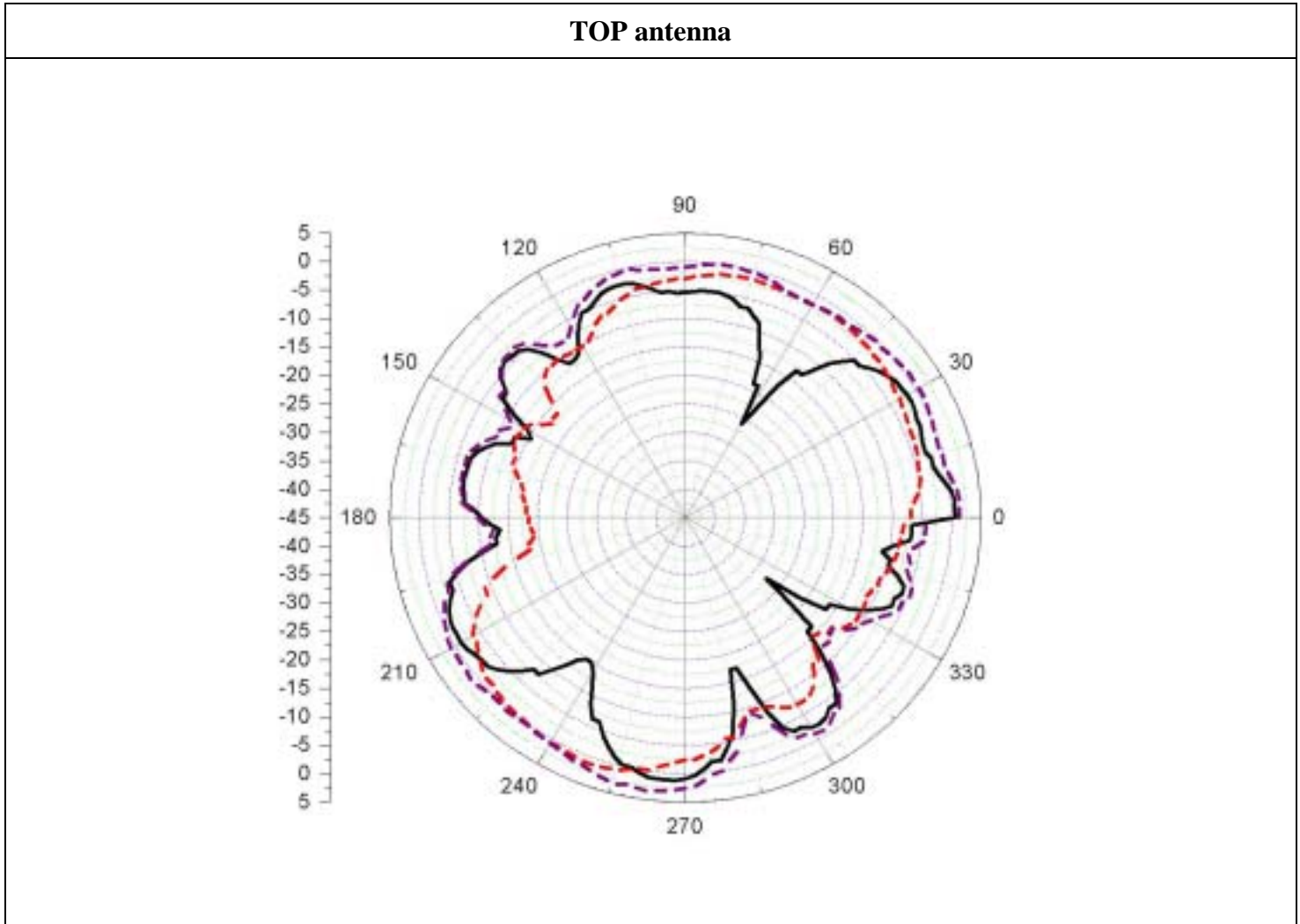


(b) Radiation Pattern

2.4 GHz ——— H-Plane E-Plane H+V-Plane



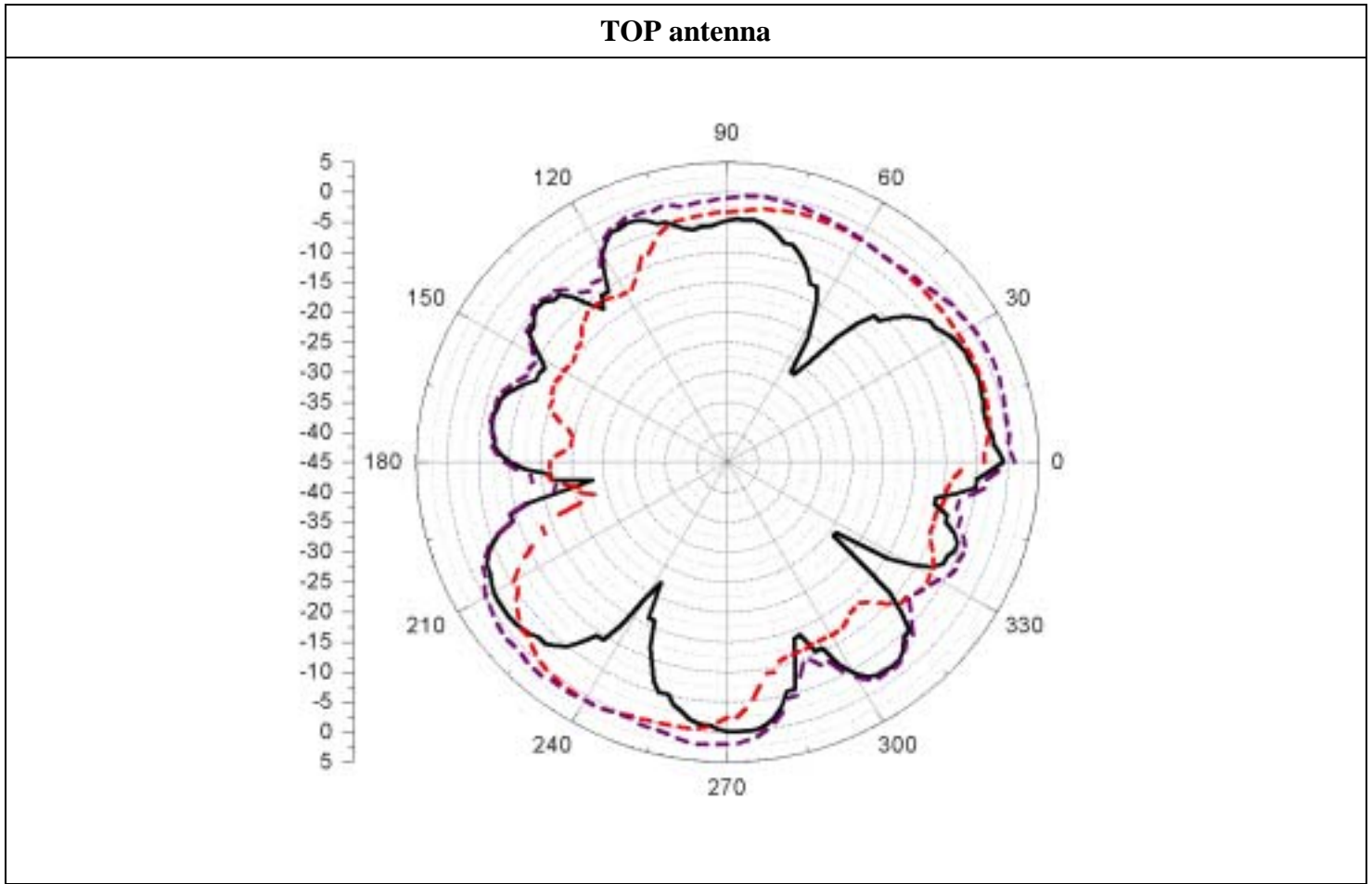
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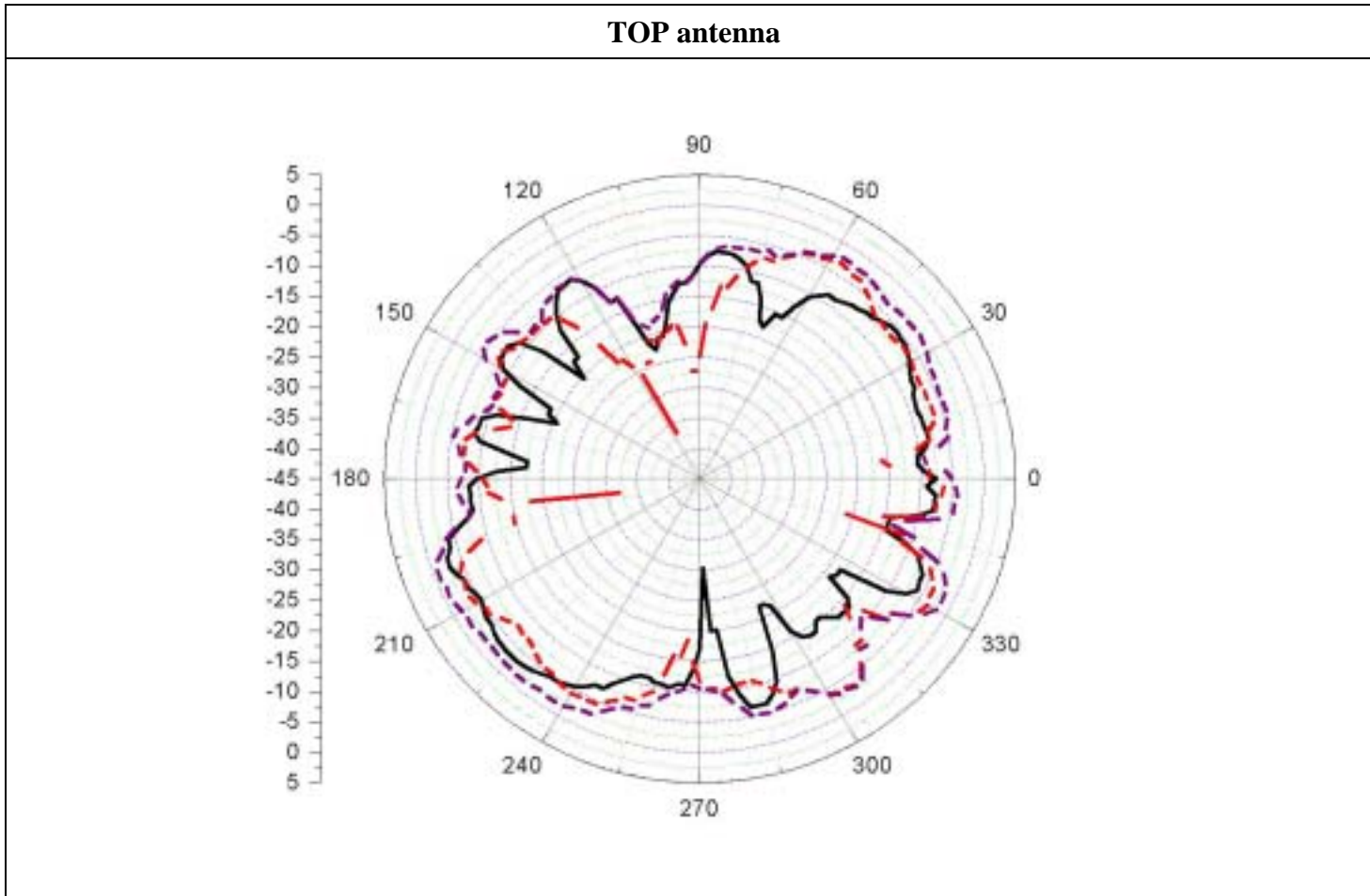
2.5 GHz ——— H-Plane E-Plane H+V-Plane



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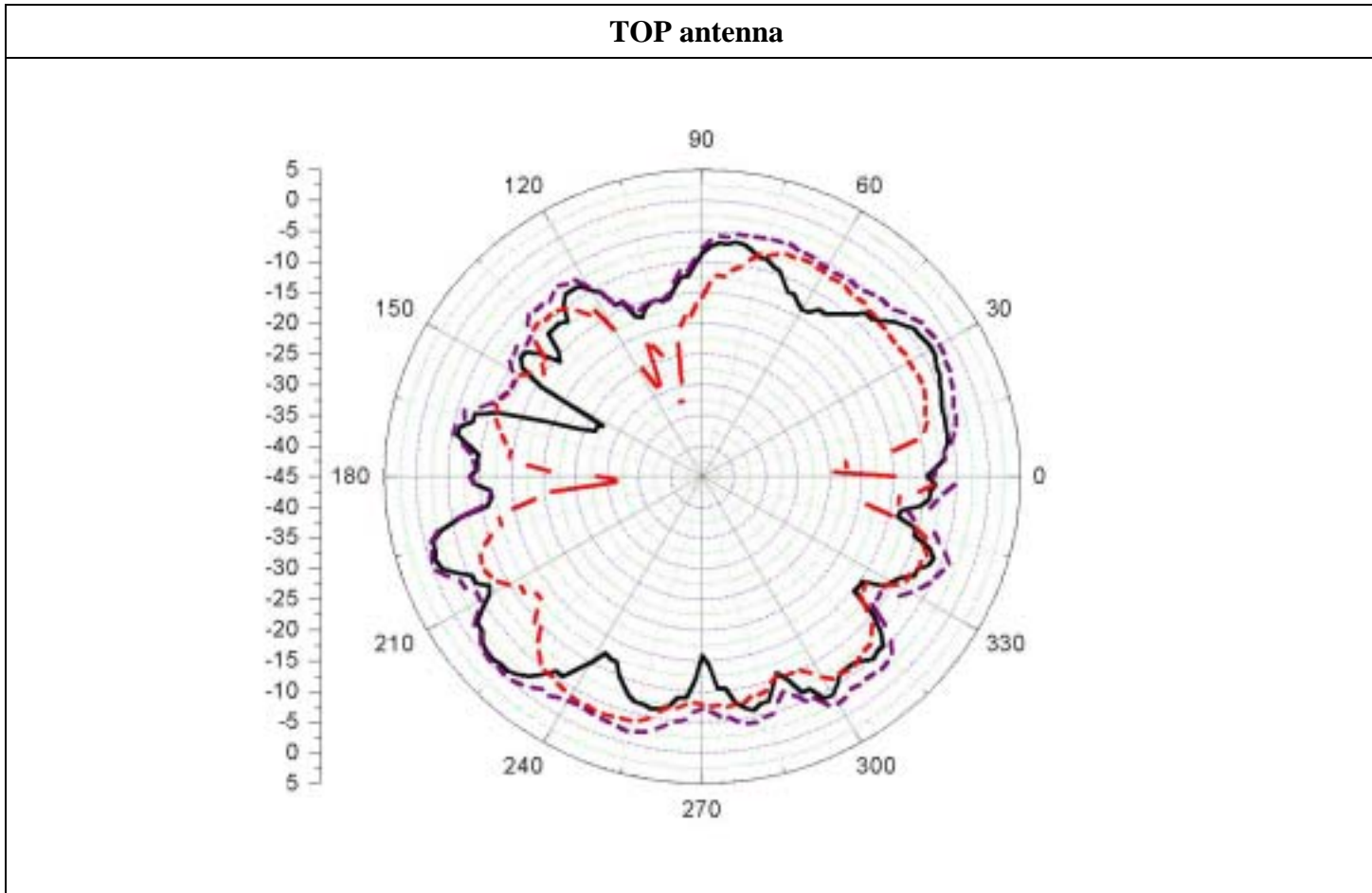
5.15 GHz ——— H-Plane E-Plane H+V-Plane



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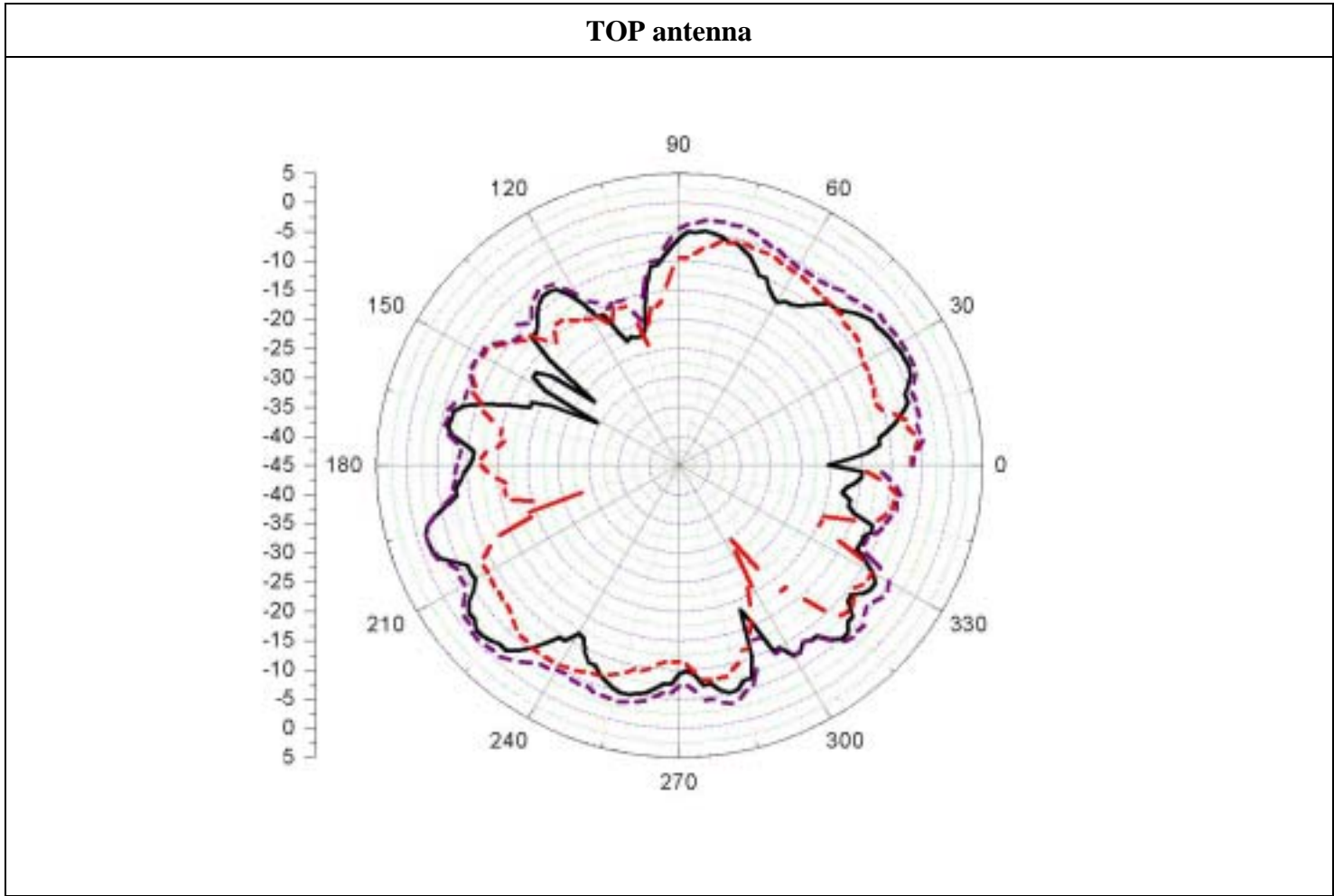
5.25GHz ——— H-Plane E-Plane H+V-Plane



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5.35 GHz ——— H-Plane E-Plane H+V-Plane



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Test result: TOP antenna

Result Frequency	Peak Gain (dBi)	Average Gain (dBi)
2.4 GHz	1.735536	-1.73271
2.45 GHz	2.421558	-1.41733
2.50 GHz	2.404904	-1.70576
5.15 GHz	-0.69038	-4.06723
5.25 GHz	-0.09167	-4.15197
5.35 GHz	-0.21346	-4.04084

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