



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: 9/17/2003
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1. General

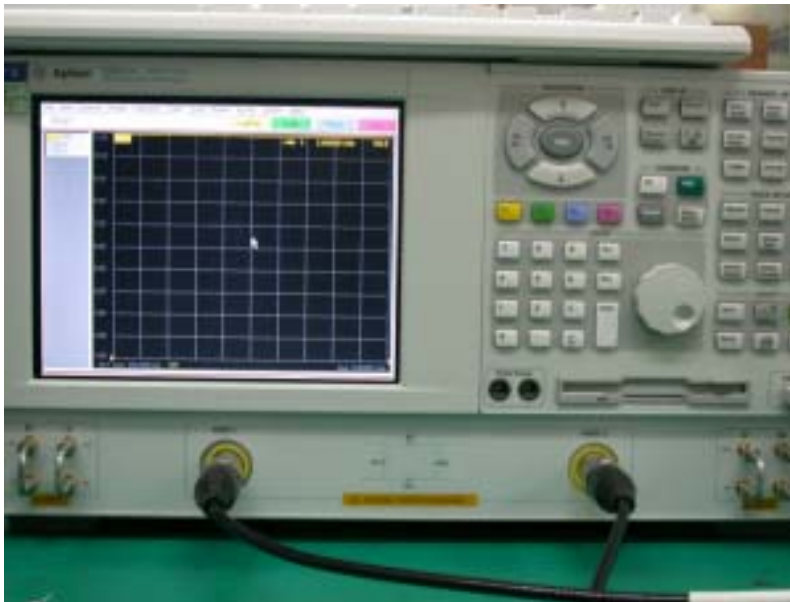
This document is the test result for PIFA . All test result are on the full set.

2. Test condition

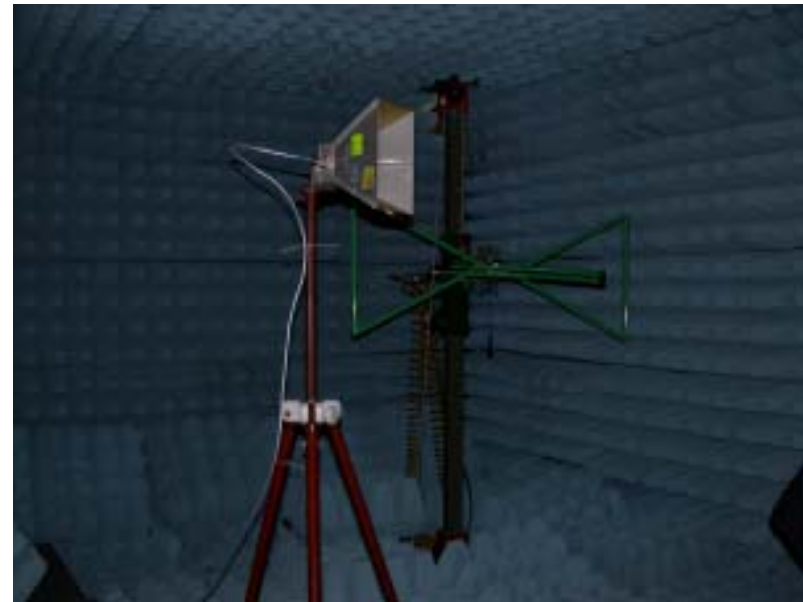
- (1) Temperature : 15 to 35 ° C
- (2) Humidity : : 25% to 85%
- (3) Atmospheric : 86kPa to 106kPa

3. Instrument:

(1). Network Analyzer: Agilent E8357A



(2) Chamber



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4. Describe

4-1 Photo:

B/T Antenna



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4-1 Photo:

Left Antenna



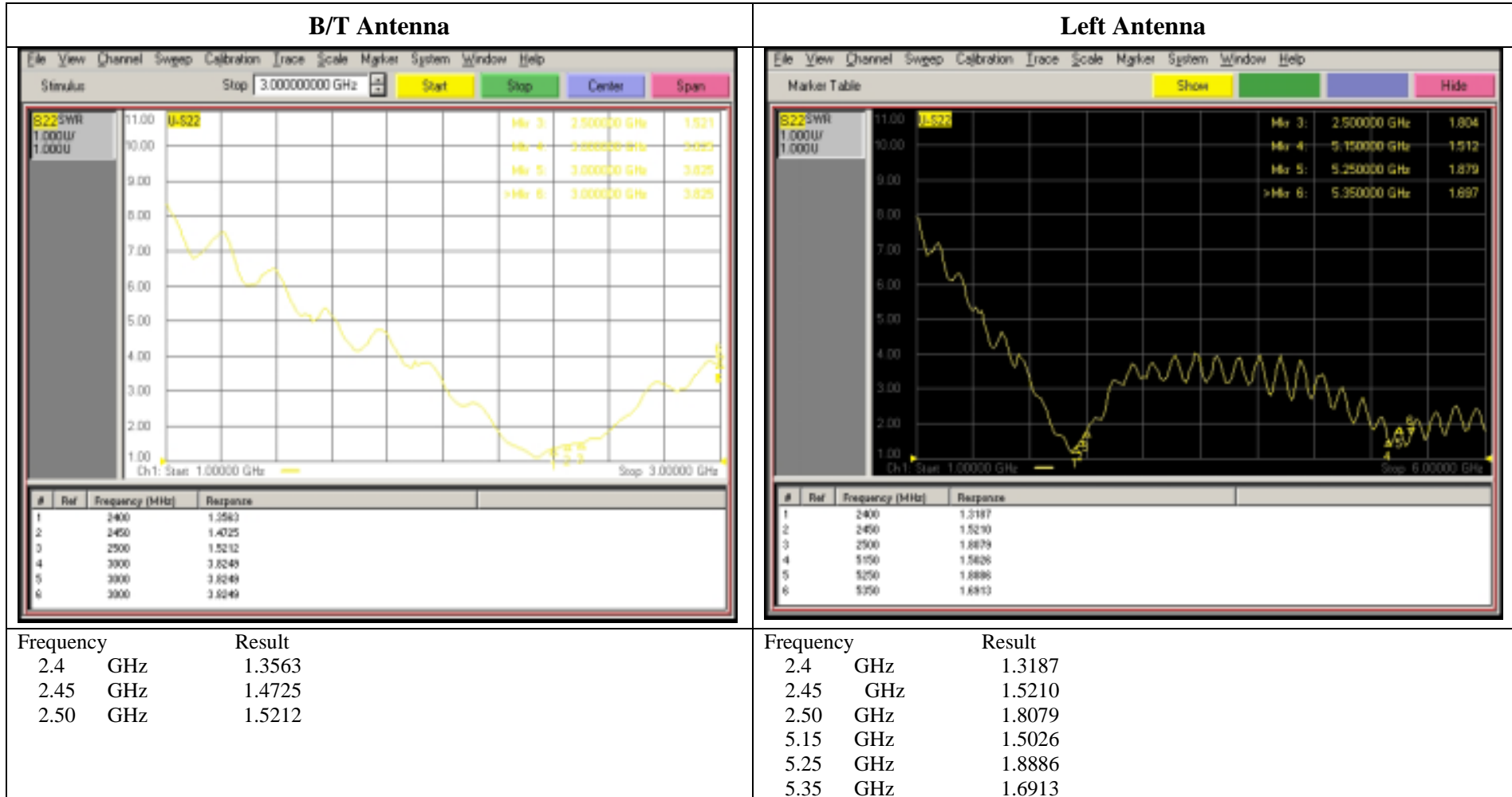
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4-2 Test result:

(a) S-parameter _SWR-Right

(b) S-parameter _SWR-Left

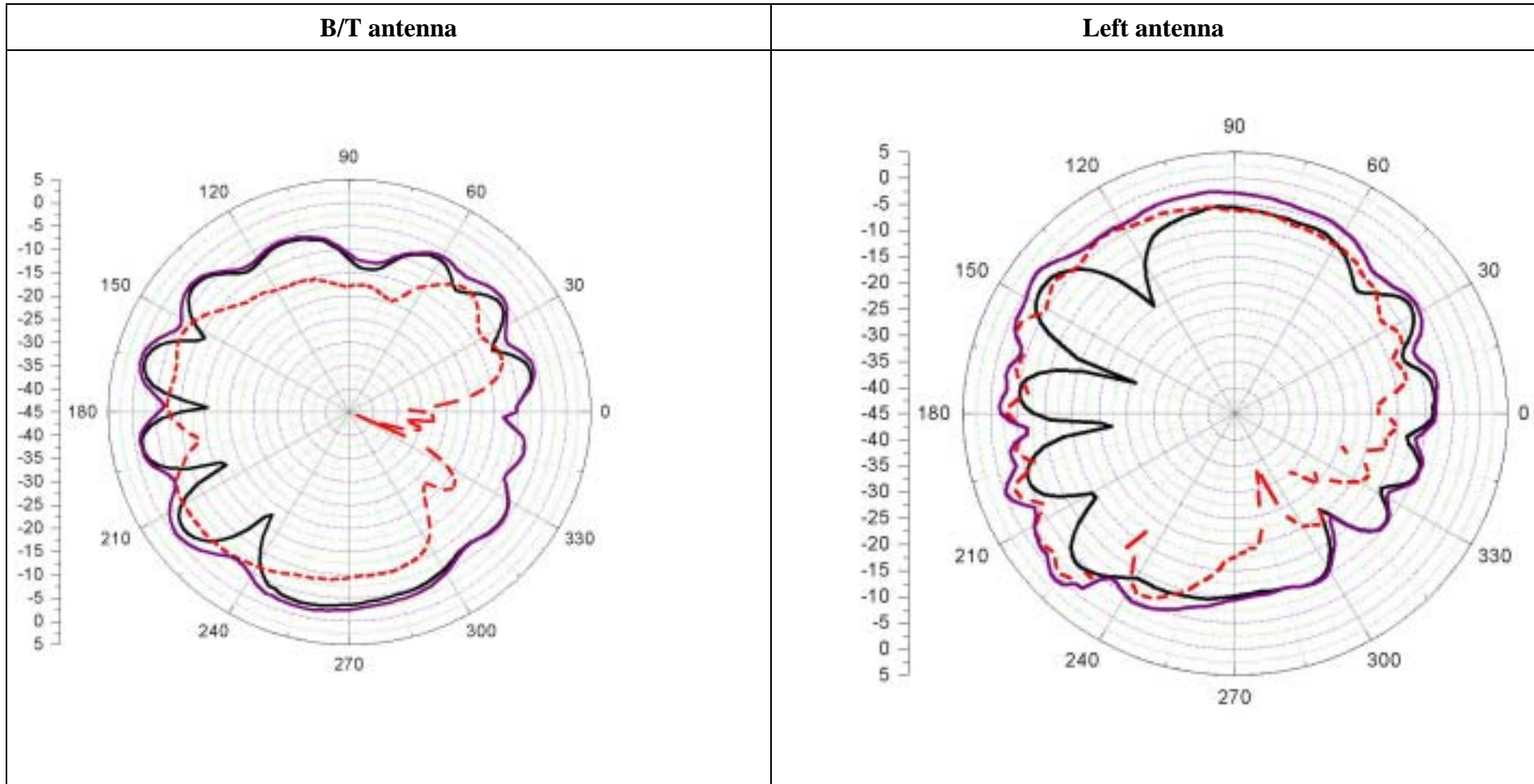


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(b) Radiation Pattern

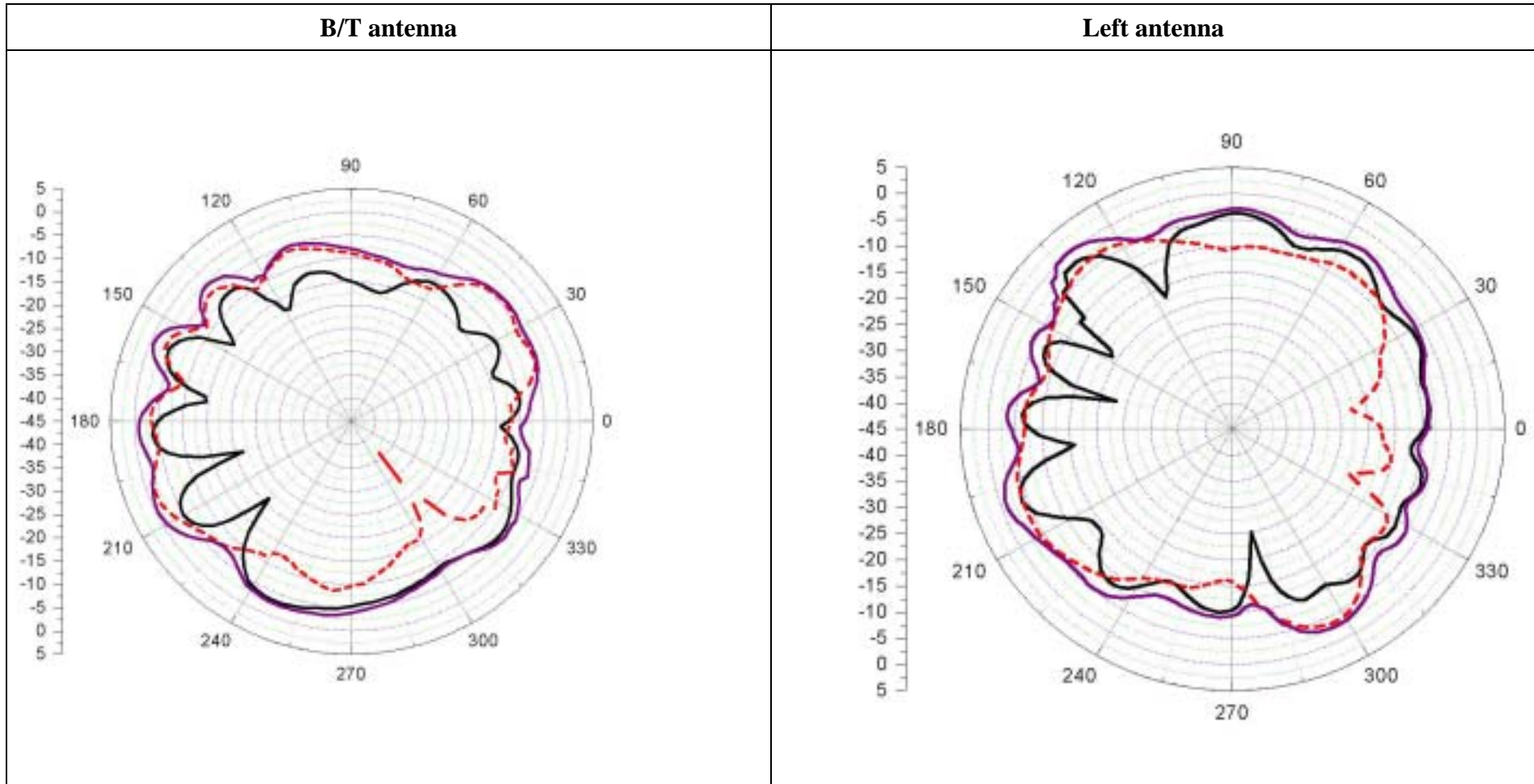
2.4 GHz ——— H-Plane E-Plane H+V-Plane



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2.45 GHz — H-Plane E-Plane H+V-Plane

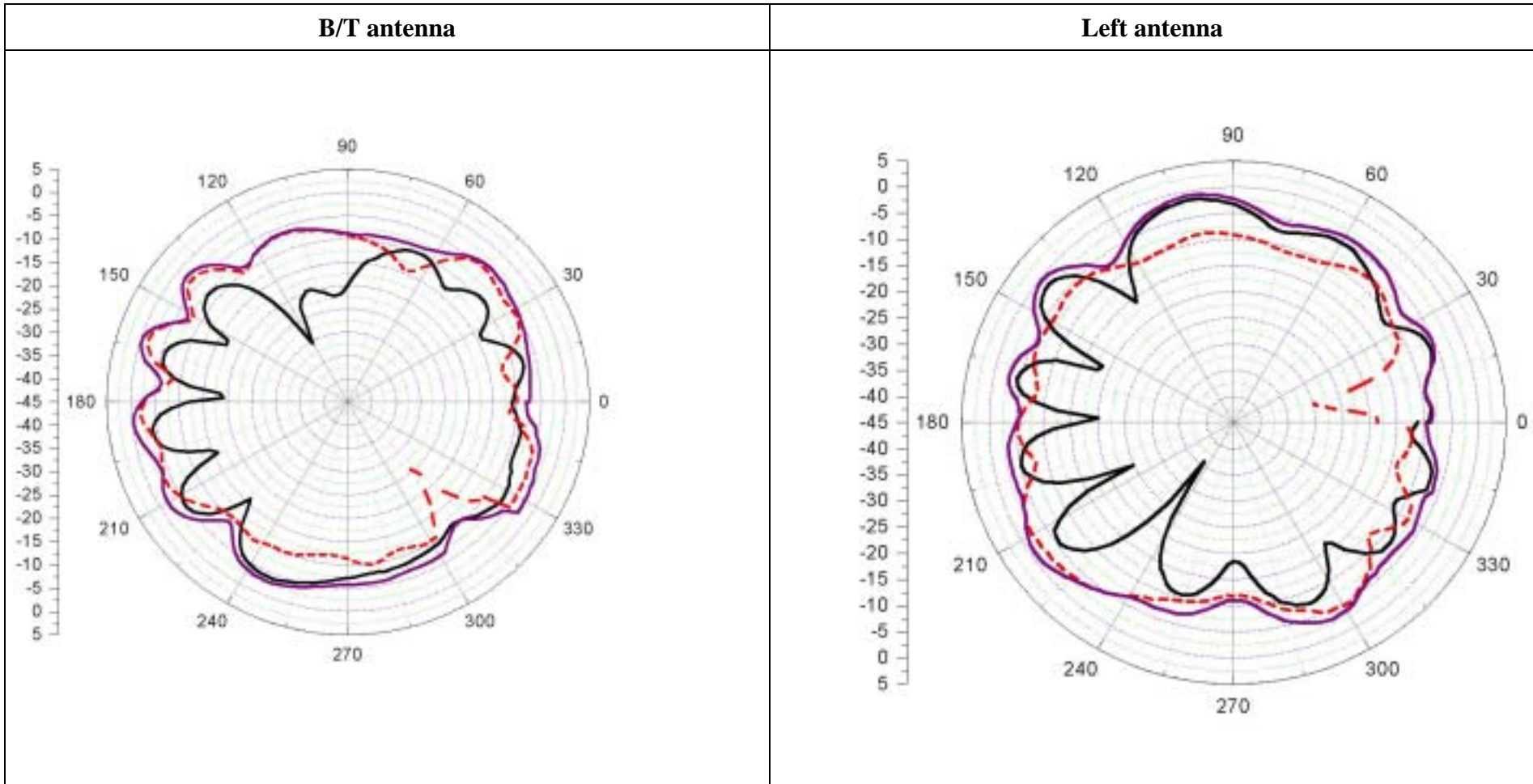


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2.5 GHz

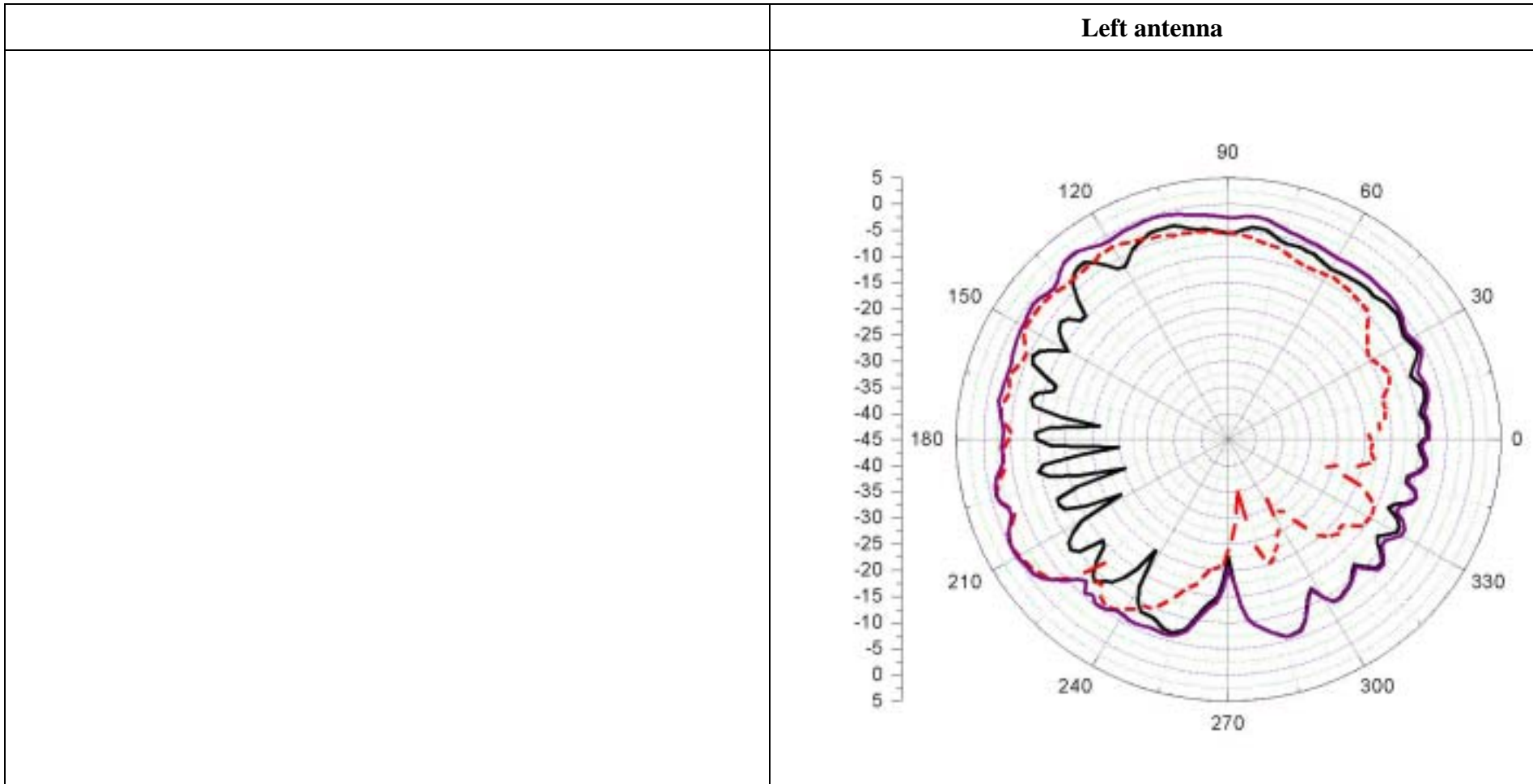
— H-Plane - - - - - E-Plane ······ H+V-Plane



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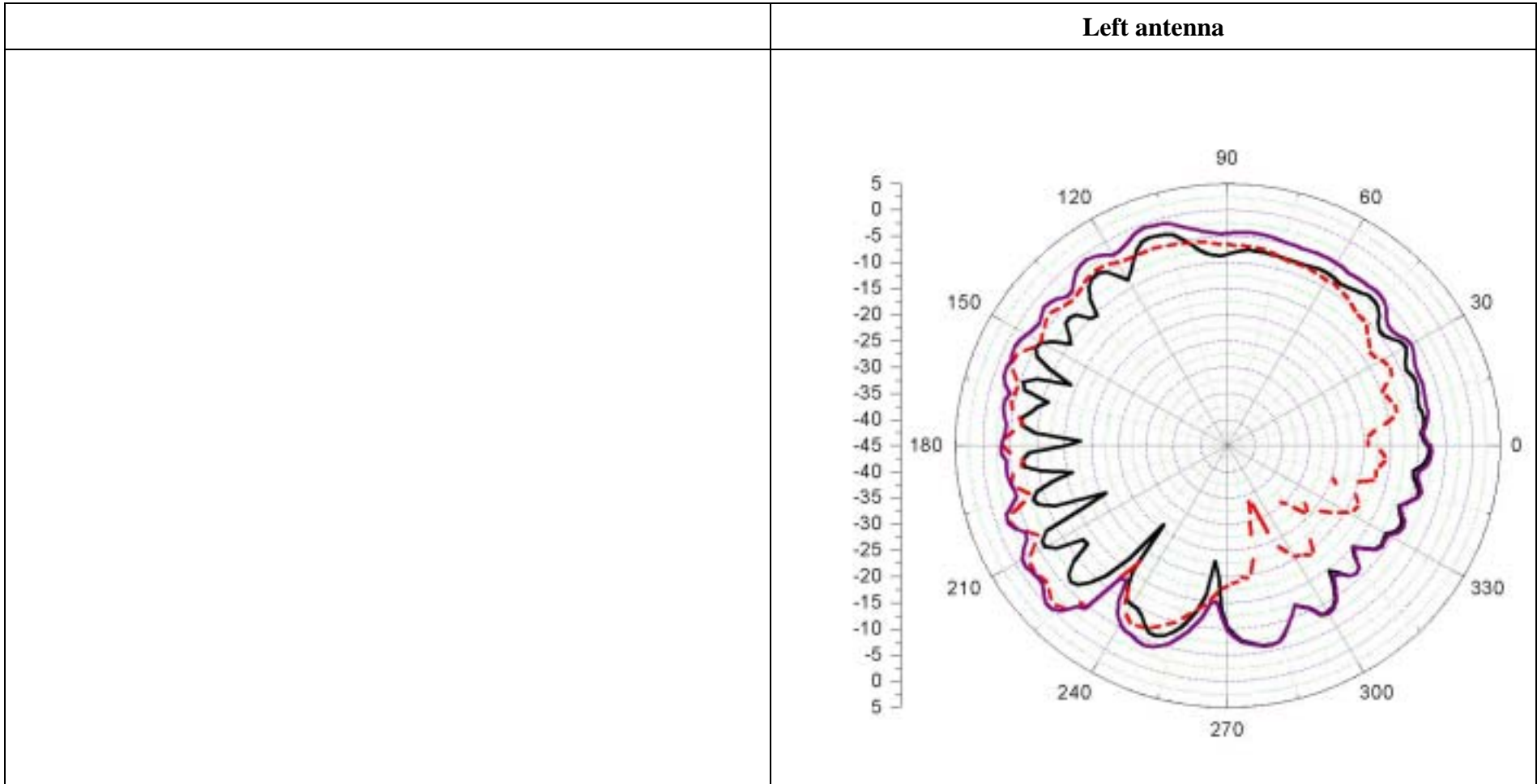
5.15 GHz ——— H-Plane E-Plane H+V-Plane



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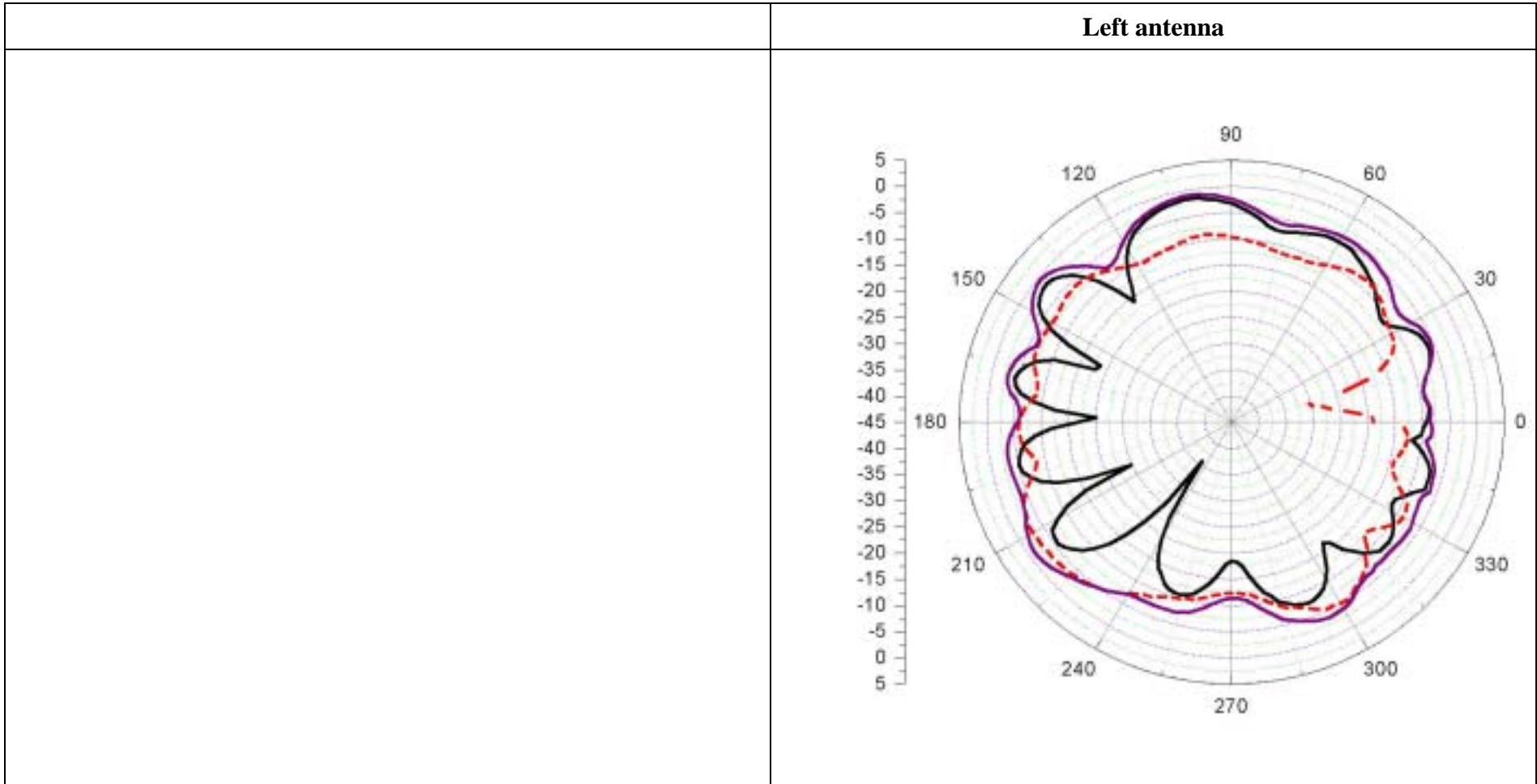
5.25GHz ——— H-Plane E-Plane H+V-Plane



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



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Test result: B/T antenna

Result Frequency	Peak Gain (dBi)	Average Gain (dBi)
2.4 GHz	-0.33324	-4.21538
2.45 GHz	-0.37504	-4.38638
2.50 GHz	-0.26771	-4.50537

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Test result: Left antenna

Result Frequency	Peak Gain (dBi)	Average Gain (dBi)
2.4 GHz	0.909921	-4.07317
2.45 GHz	0.234741	-4.62415
2.50 GHz	-0.49551	-4.15101
5.15 GHz	0.598915	-3.76601
5.25 GHz	-0.08371	-4.41561
5.35 GHz	-0.63604	-4.38051

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