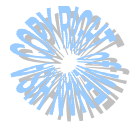


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Wireless LAN Design Department,,
Wistron Corp.

GC435 Bluetooth Antenna test report

2007/3/23



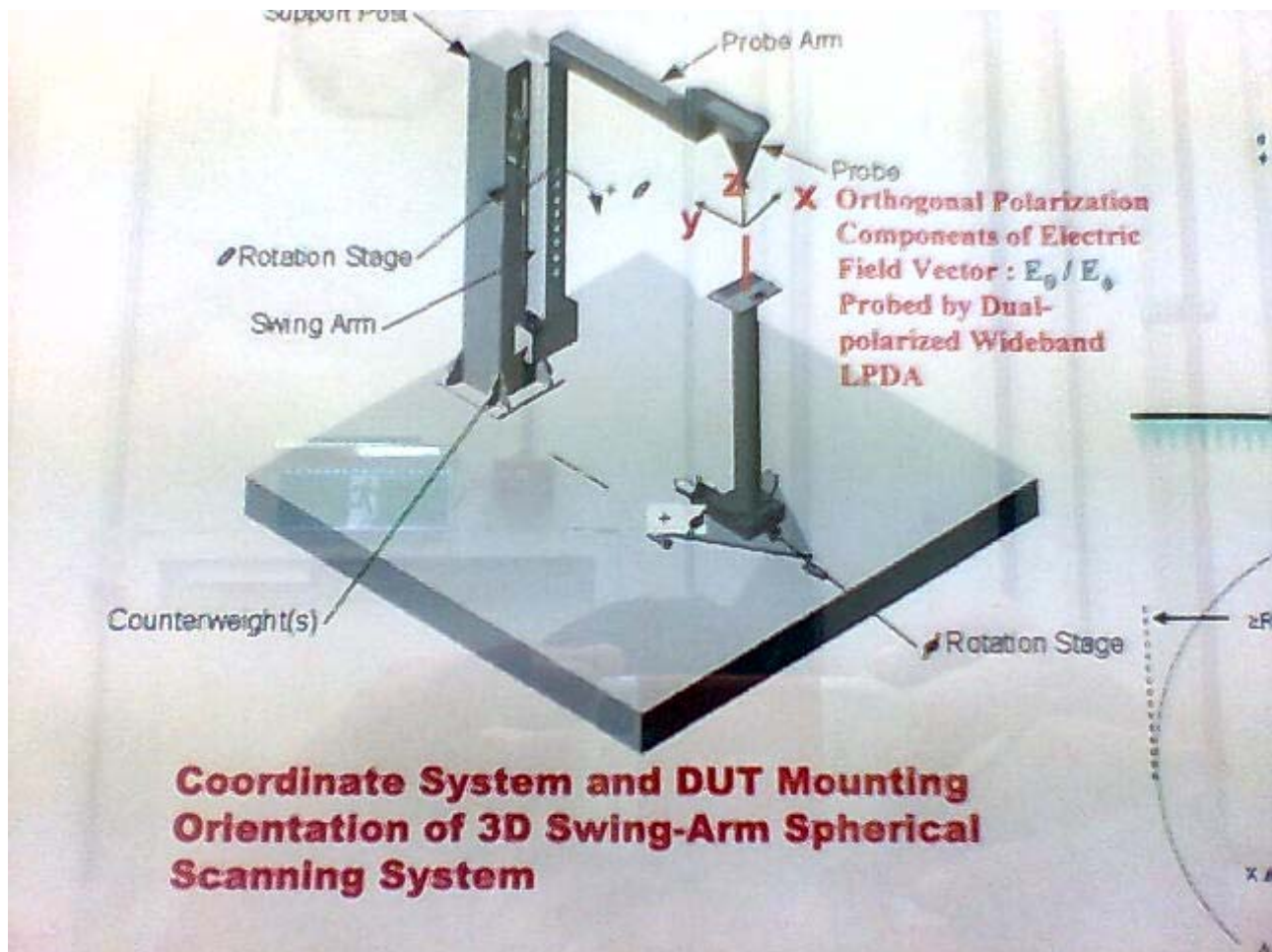
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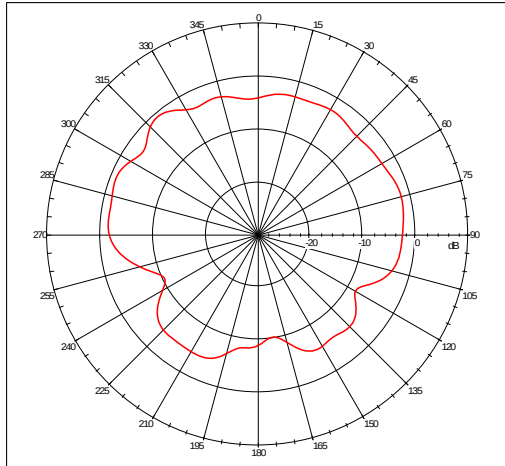
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1. Test purpose:
GC435 Bluetooth antenna pattern measurement.
2. Test setting:

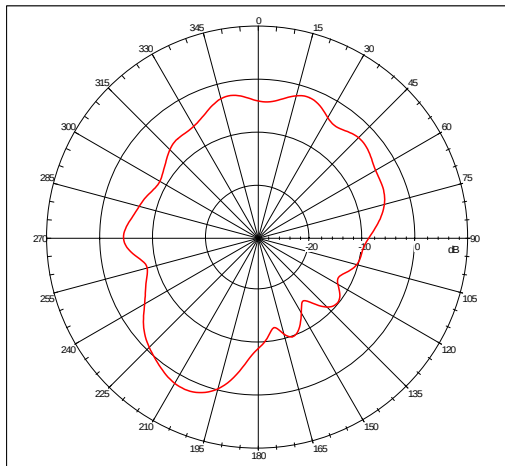


3. Pattern: 3.1 2.4G Hz:

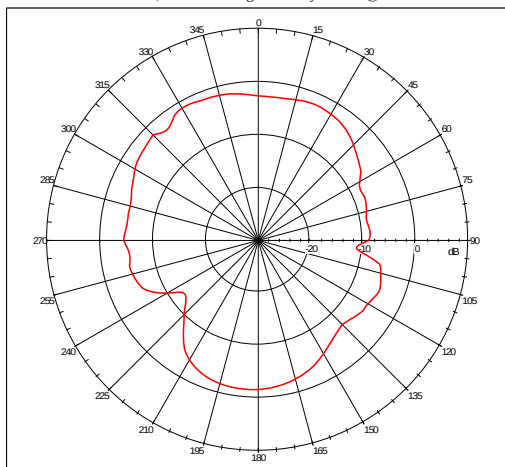
Far-field Power Distribution on X-Z Plane(E-Plane of L3 Pol Sense)
Gain=1.40 dBi; Total Radiating Efficiency: 39.92% @2.40000 GHz



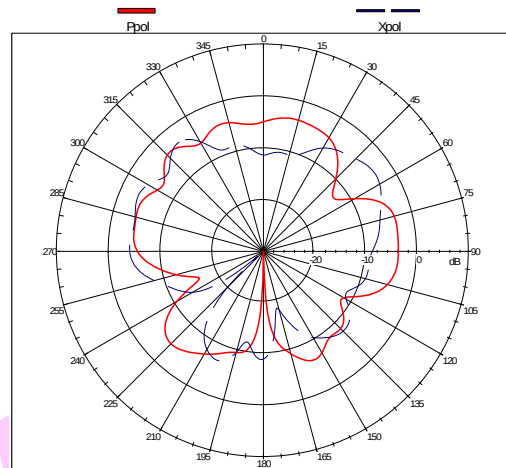
Far-field Power Distribution on Y-Z Plane(H-Plane of L3 Pol Sense)
Gain=1.40 dBi; Total Radiating Efficiency: 39.92% @2.40000 GHz



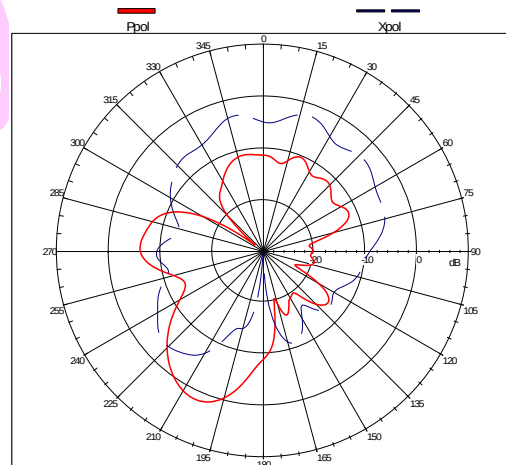
Far-field Power Distribution on X-Y Plane
Gain=1.40 dBi; Total Radiating Efficiency: 39.92% @2.40000 GHz



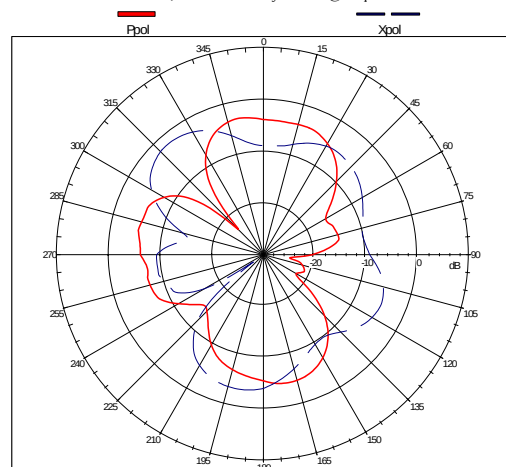
Far-field Pattern @ Phi=0 deg(E-Theta Plane-Cut)
Gain=1.40 dBi; Co-Pol Efficiency: 36.04% @Freq: 2.40000 GHz



Far-field Pattern @ Phi=90 deg(E-Theta Plane-Cut)
Gain=1.40 dBi; Co-Pol Efficiency: 36.04% @Freq: 2.40000 GHz



Far-field Pattern @ Theta=90 deg(E-Phi Plane-Cut)
Gain=1.40 dBi; Co-Pol Efficiency: 36.04% @Freq: 2.40000 GHz



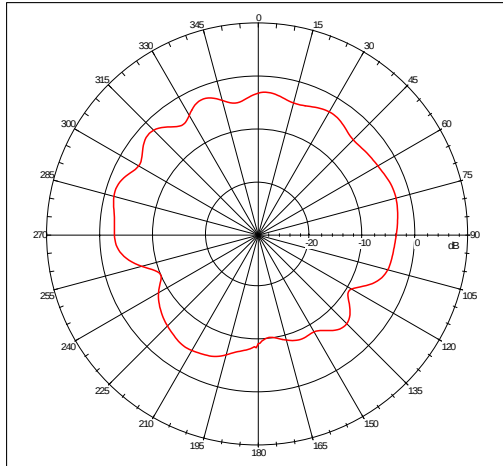
Peak gain	1.40dBi
Efficiency	39.92%

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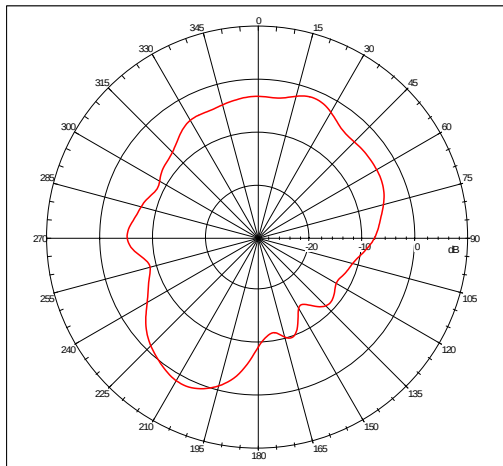
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3.2 2.45G Hz

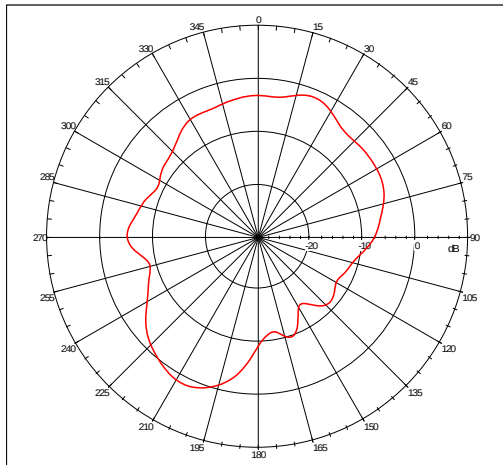
Far-field Power Distribution on X-Z Plane(E-Plane of L3 Pol Sense)
Gain=0.77 dBi; Total Radiating Efficiency: 35.40% @2.45000 GHz



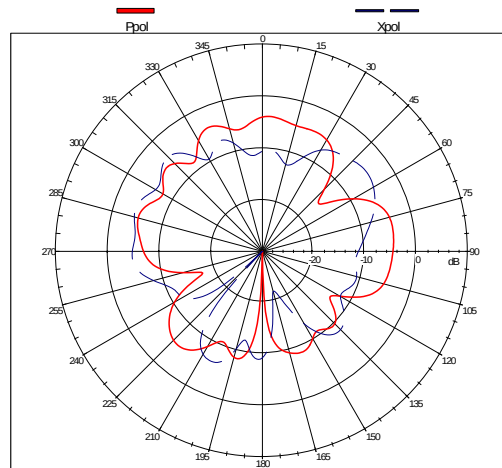
Far-field Power Distribution on Y-Z Plane(H-Plane of L3 Pol Sense)
Gain=0.77 dBi; Total Radiating Efficiency: 35.40% @2.45000 GHz



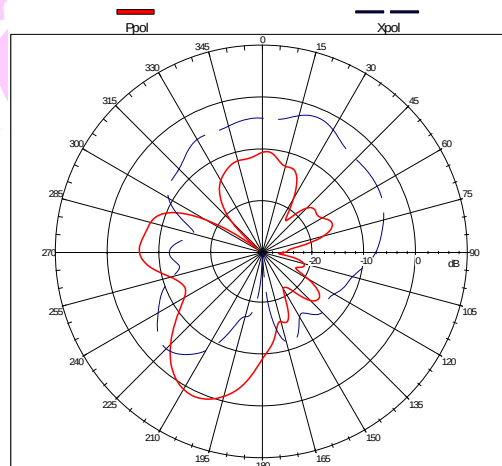
Far-field Power Distribution on Y-Z Plane(H-Plane of L3 Pol Sense)
Gain=0.77 dBi; Total Radiating Efficiency: 35.40% @2.45000 GHz



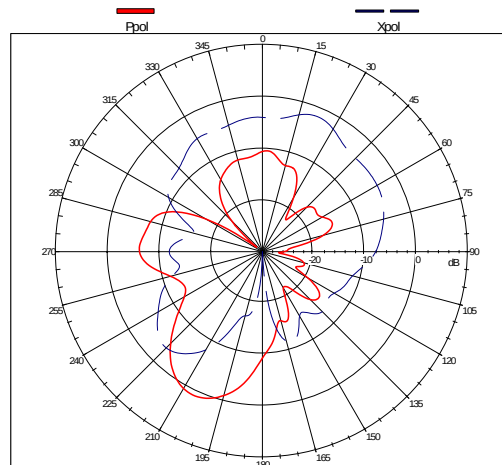
Far-field Pattern @ Phi=0 deg(E-Theta Plane-Cut)
Gain=0.77 dBi; Co-Pol Efficiency: 29.86% @Freq: 2.45000 GHz



Far-field Pattern @ Phi=90 deg(E-Theta Plane-Cut)
Gain=0.77 dBi; Co-Pol Efficiency: 29.86% @Freq: 2.45000 GHz



Far-field Pattern @ Phi=90 deg(E-Theta Plane-Cut)
Gain=0.77 dBi; Co-Pol Efficiency: 29.86% @Freq: 2.45000 GHz



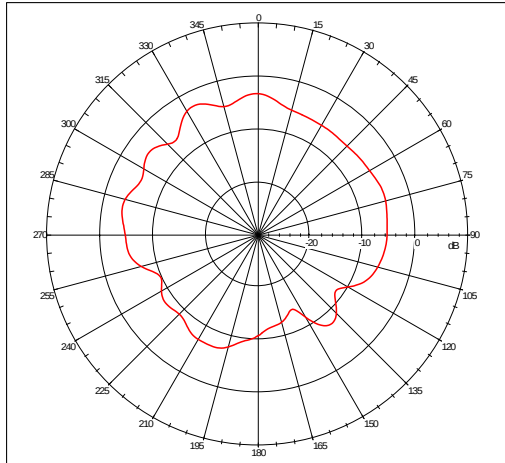
Peak gain	0.77dBi
Efficiency	35.40%

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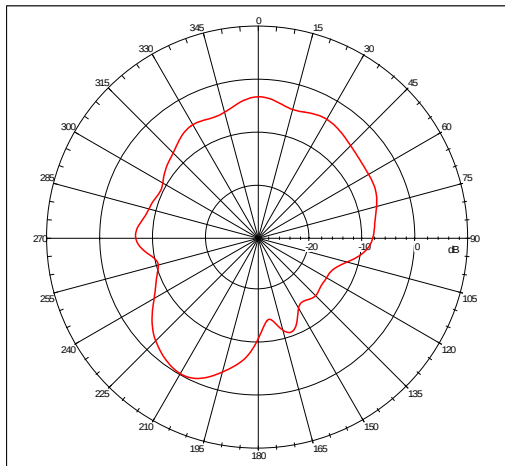
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3.3 2.5G Hz

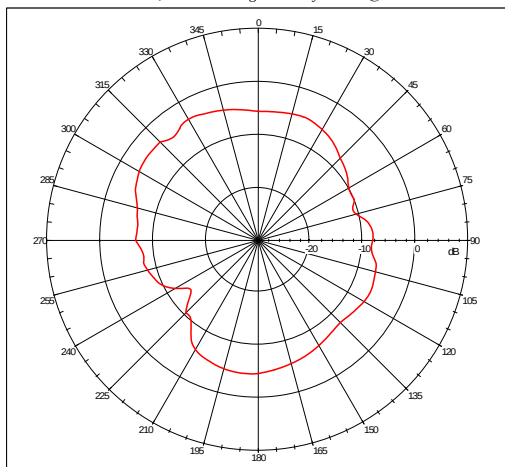
Far-field Power Distribution on X-Z Plane(E-Plane of L3 Pol Sense)
Gain=-1.02 dBi; Total Radiating Efficiency: 24.50% @2.50000 GHz



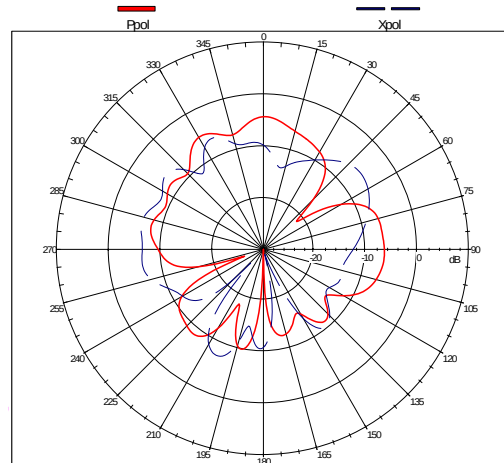
Far-field Power Distribution on Y-Z Plane(H-Plane of L3 Pol Sense)
Gain=-1.02 dBi; Total Radiating Efficiency: 24.50% @2.50000 GHz



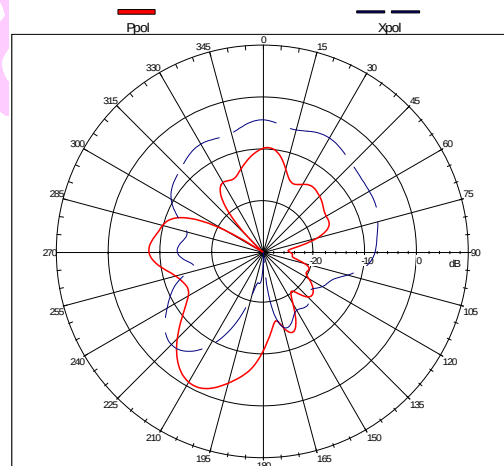
Far-field Power Distribution on X-Y Plane
Gain=-1.02 dBi; Total Radiating Efficiency: 24.50% @2.50000 GHz



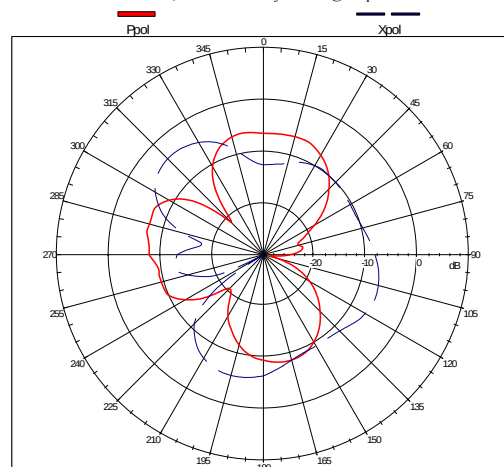
Far-field Pattern @ Phi=0 deg(E-Theta Plane-Cut)
Gain=-1.02 dBi; Co-Pol Efficiency: 21.40% @Freq: 2.50000 GHz



Far-field Pattern @ Phi=90 deg(E-Theta Plane-Cut)
Gain=-1.02 dBi; Co-Pol Efficiency: 21.40% @Freq: 2.50000 GHz



Far-field Pattern @ Theta=90 deg(E-Phi Plane-Cut)
Gain=-1.02 dBi; Co-Pol Efficiency: 21.40% @Freq: 2.50000 GHz



Peak gain	-1.02dBi
Efficiency	24.50%