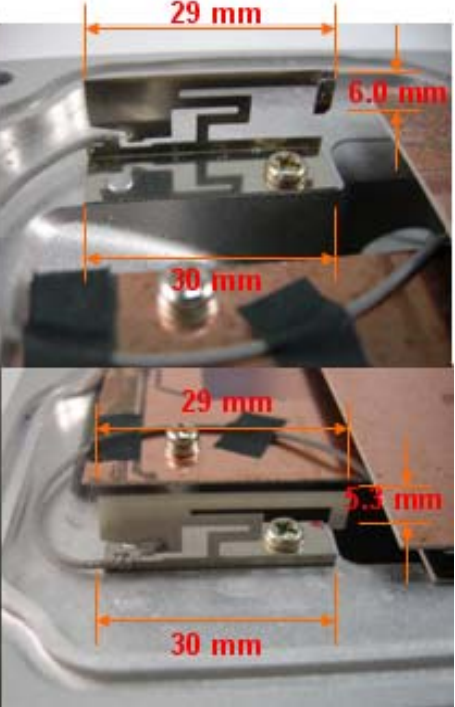
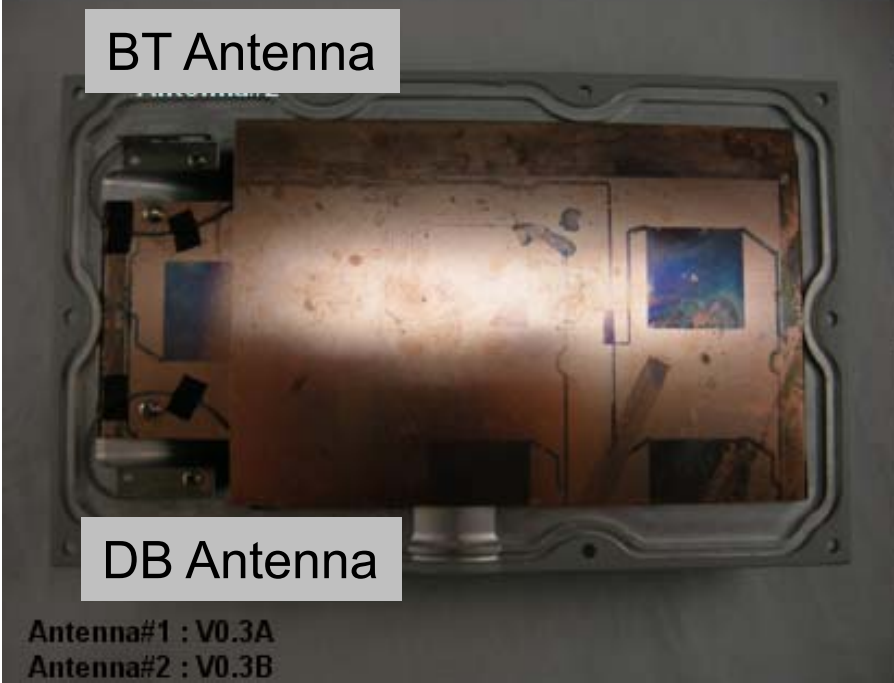
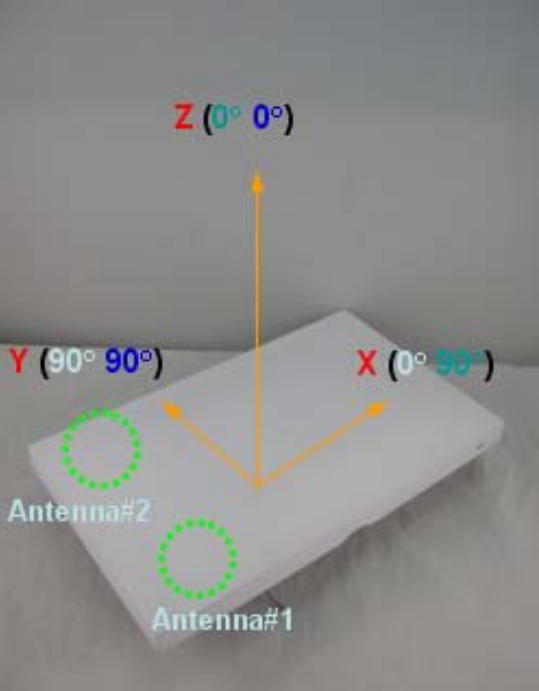


Gluhwein Build-in Antenna Test Report



1. Antenna Definition and Scanning Orientation	P.2
2. Antenna Performance Summary BT Antenna Efficiency, Average Gain, Peak Gain VSWR Radiation Pattern	P.3 P.4
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4. Isolation between antenna	P.7

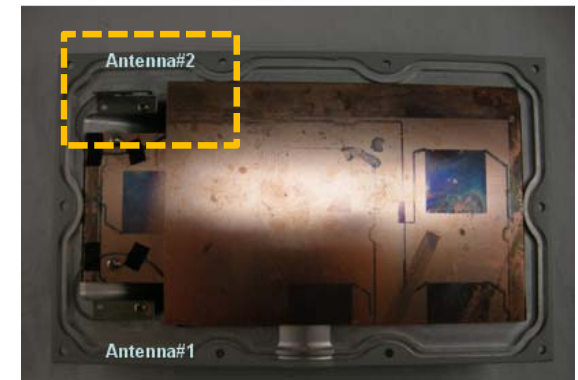
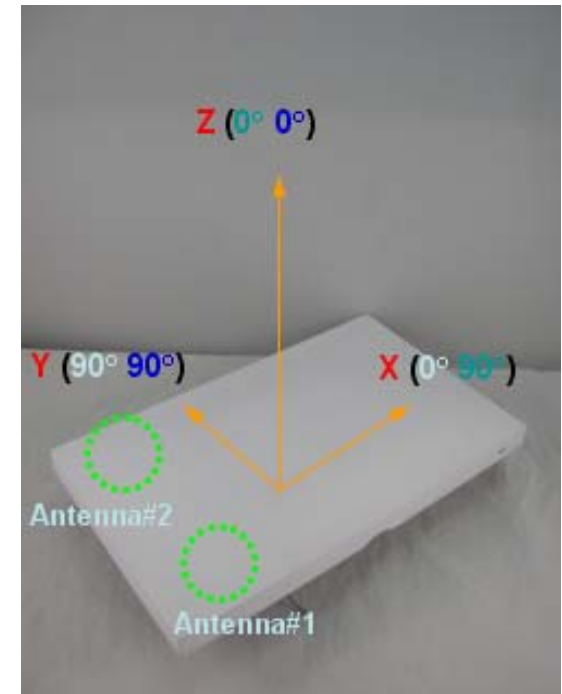
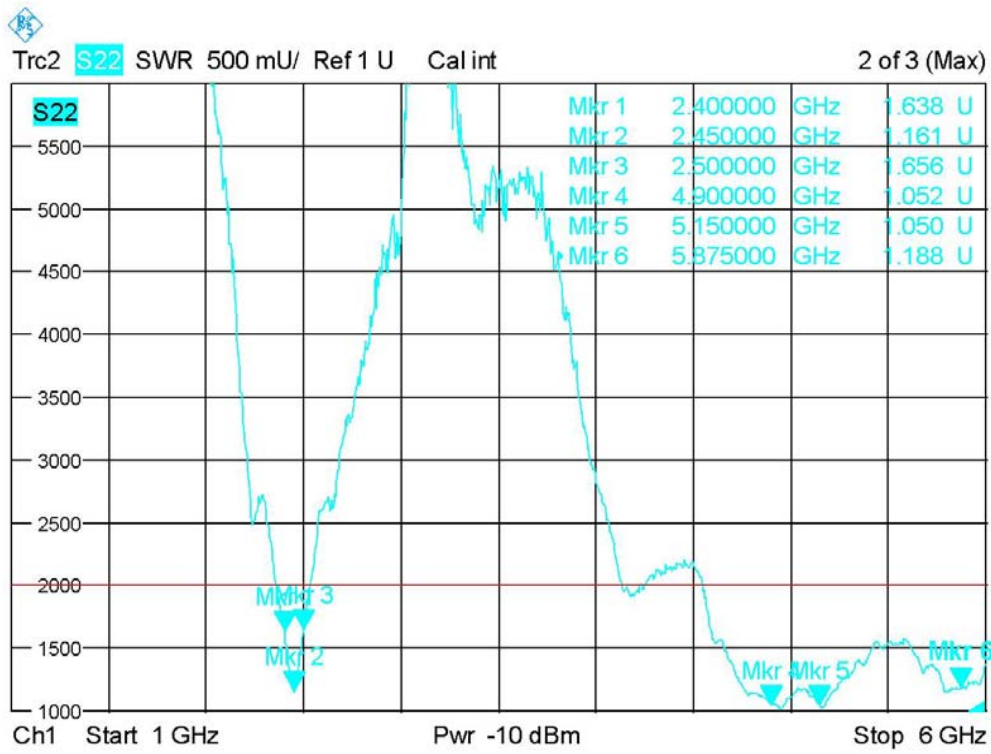
Antenna Definition and Scanning Orientation



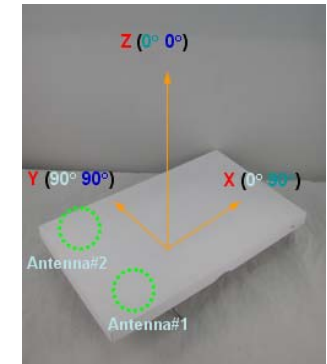
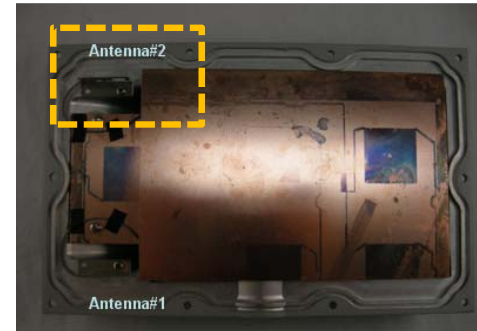
Antenna Performance Summary-BT Antenna

Cisco P/N: 460-33070

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2400	61%	-2.1	3.4
2450	71%	-1.5	4.1
2500	68%	-1.7	4.2

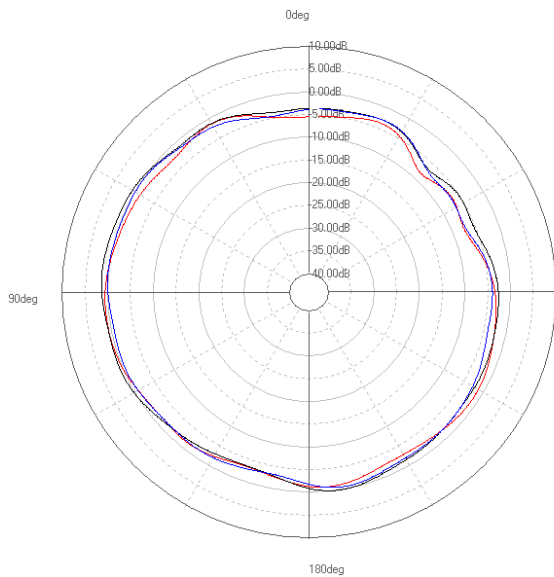


Radiation Pattern

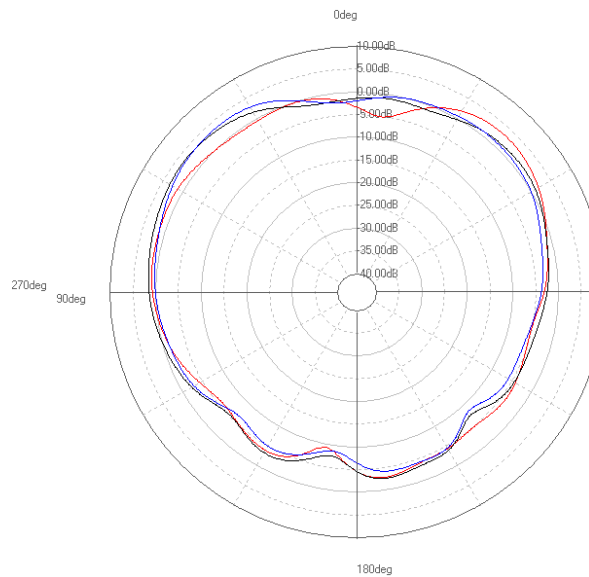


Legend
 — 2400(MHz)
 — 2450(MHz)
 — 2500(MHz)

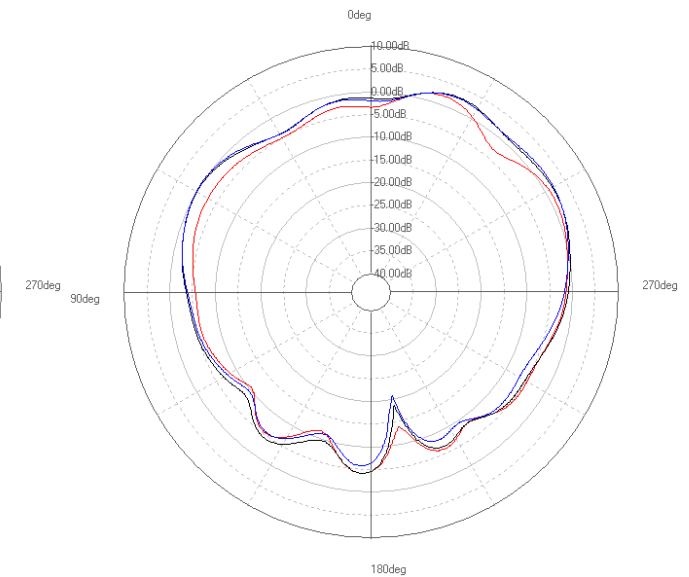
XY-plane



YZ-plane



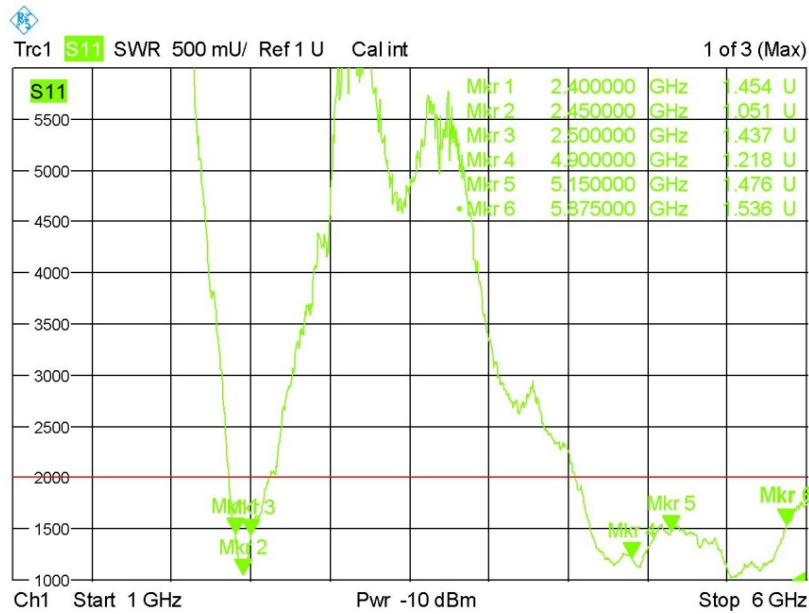
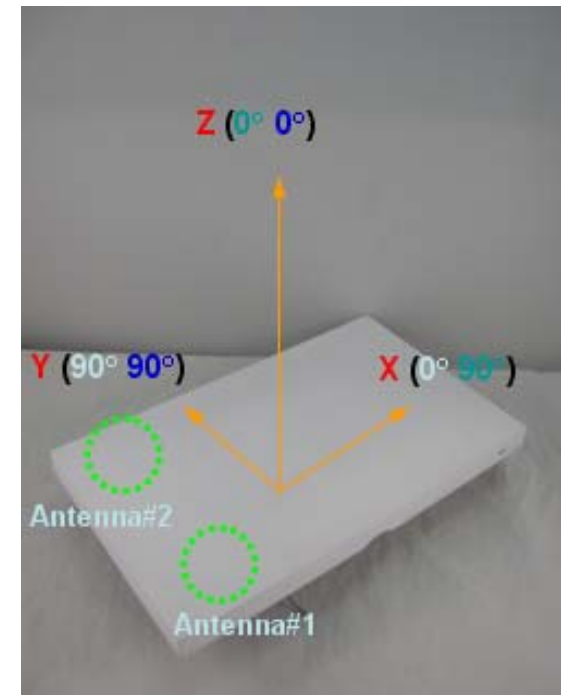
ZX-plane



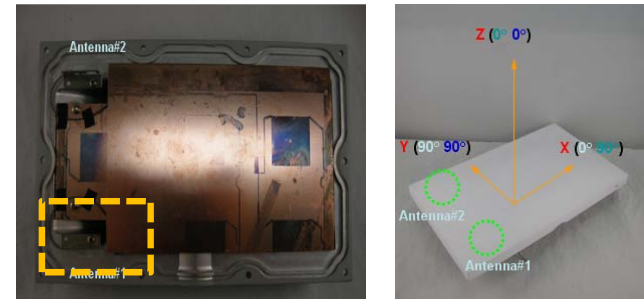
Antenna Performance Summary-DB Scanning Antenna

Cisco P/N: 460-33060

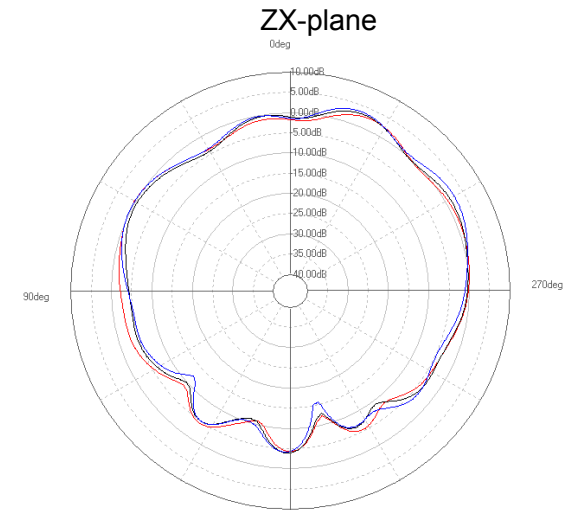
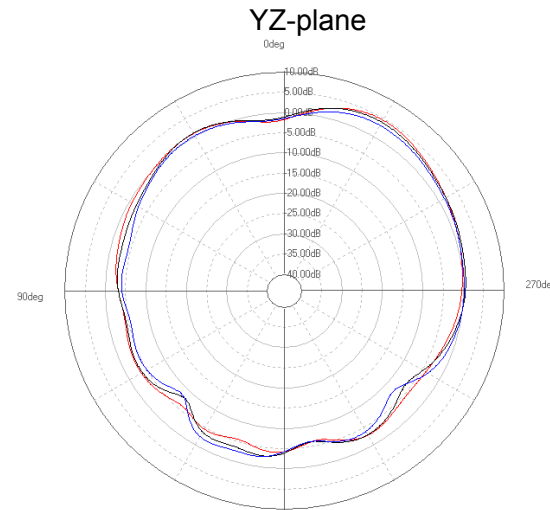
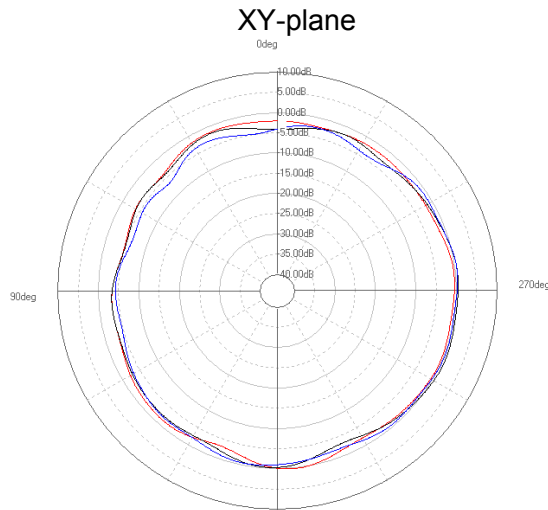
Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2400	75%	-1.3	5.4
2450	73%	-1.4	5.7
2500	69%	-1.6	4.7
4900	70%	-1.5	6.0
5150	69%	-1.6	6.1
5350	69%	-1.6	5.7
5475	73%	-1.4	6.2
5725	67%	-1.7	5.8
5875	64%	-1.9	6.5



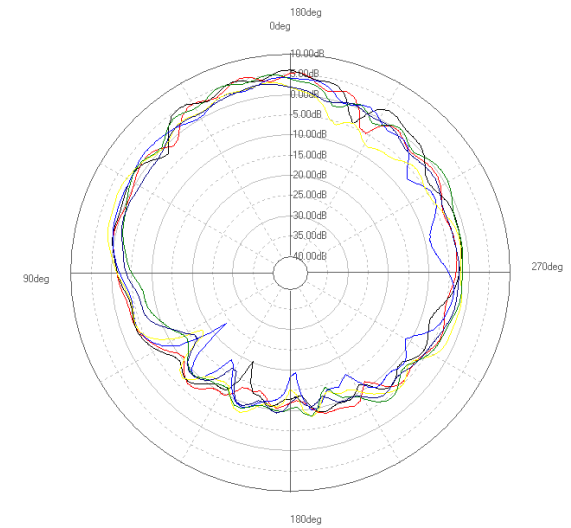
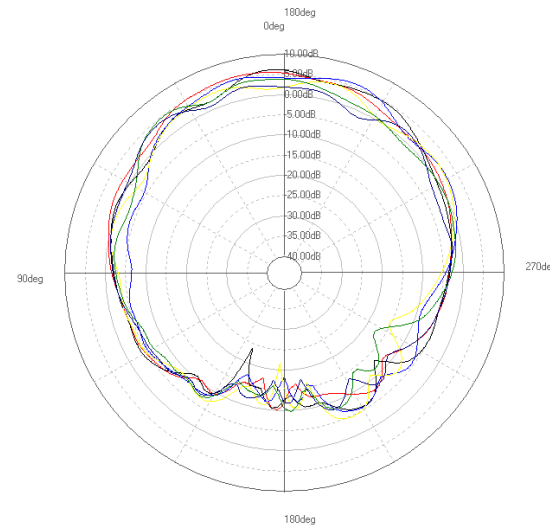
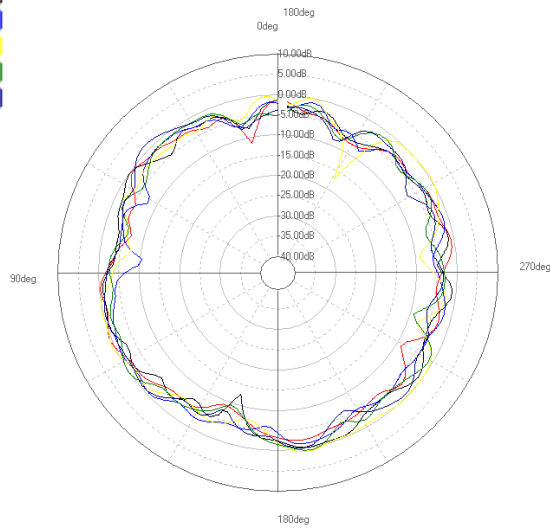
Radiation Pattern



Legend
 — 2400(MHz)
 — 2450(MHz)
 — 2500(MHz)



Legend
 — 4900(MHz)
 — 5150(MHz)
 — 5350(MHz)
 — 5475(MHz)
 — 5725(MHz)
 — 5875(MHz)



Isolation

Specification:
Isolation >20dB →Pass



Trc3 **S12** dB Mag 10 dB / Ref0 dB Cal int 3 of 3 (Max)

