



AN_A7105_03

Preliminary

Application Note AN_A7105_03

2.4 GHz Antenna Radiation Pattern (Test in ADT)



Document Title

Application Note AN_A7105_03

Revision History

<u>Rev.</u>	<u>History</u>	<u>Issue Date</u>	<u>Remark</u>
0.0	Initial issue	August, 2014	Preliminary

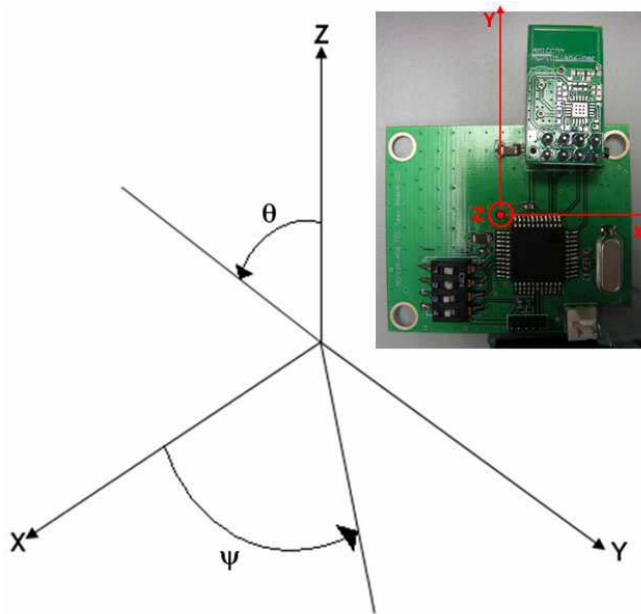


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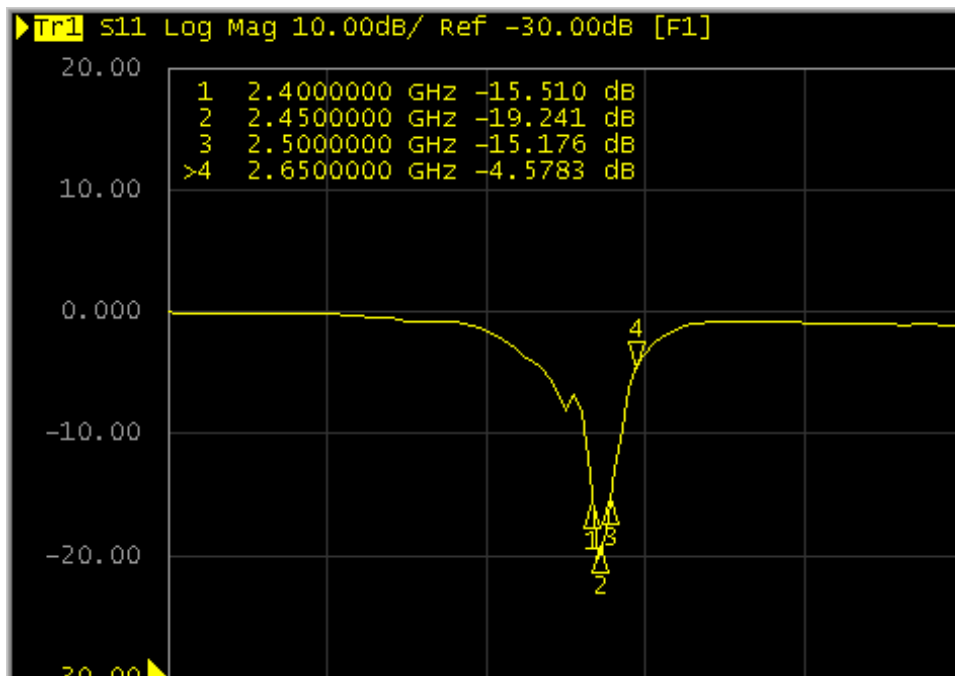
1. MD7105-A06 Antenna	3
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1. MD7105-A06 Antenna

1.1 MD7105-A06 Antenna Picture

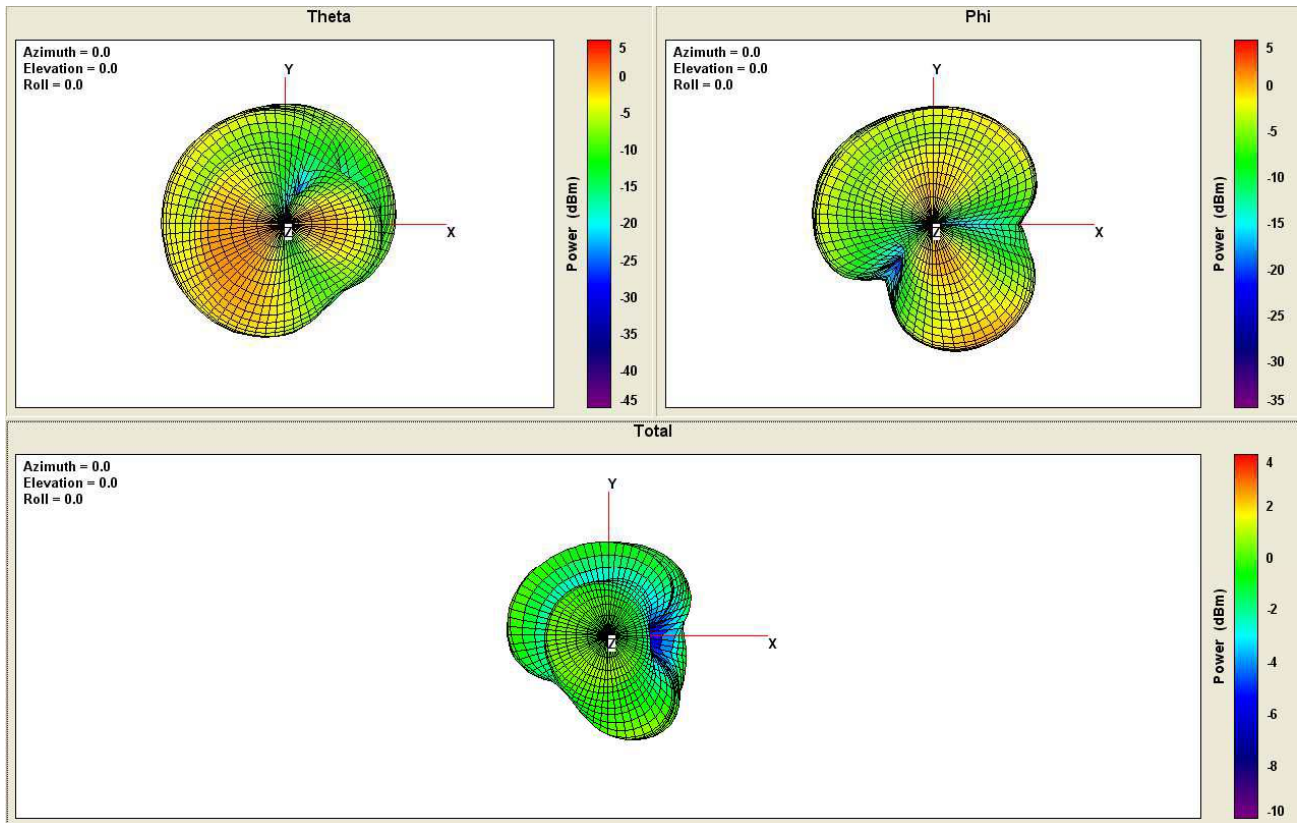


1.2 Antenna S11

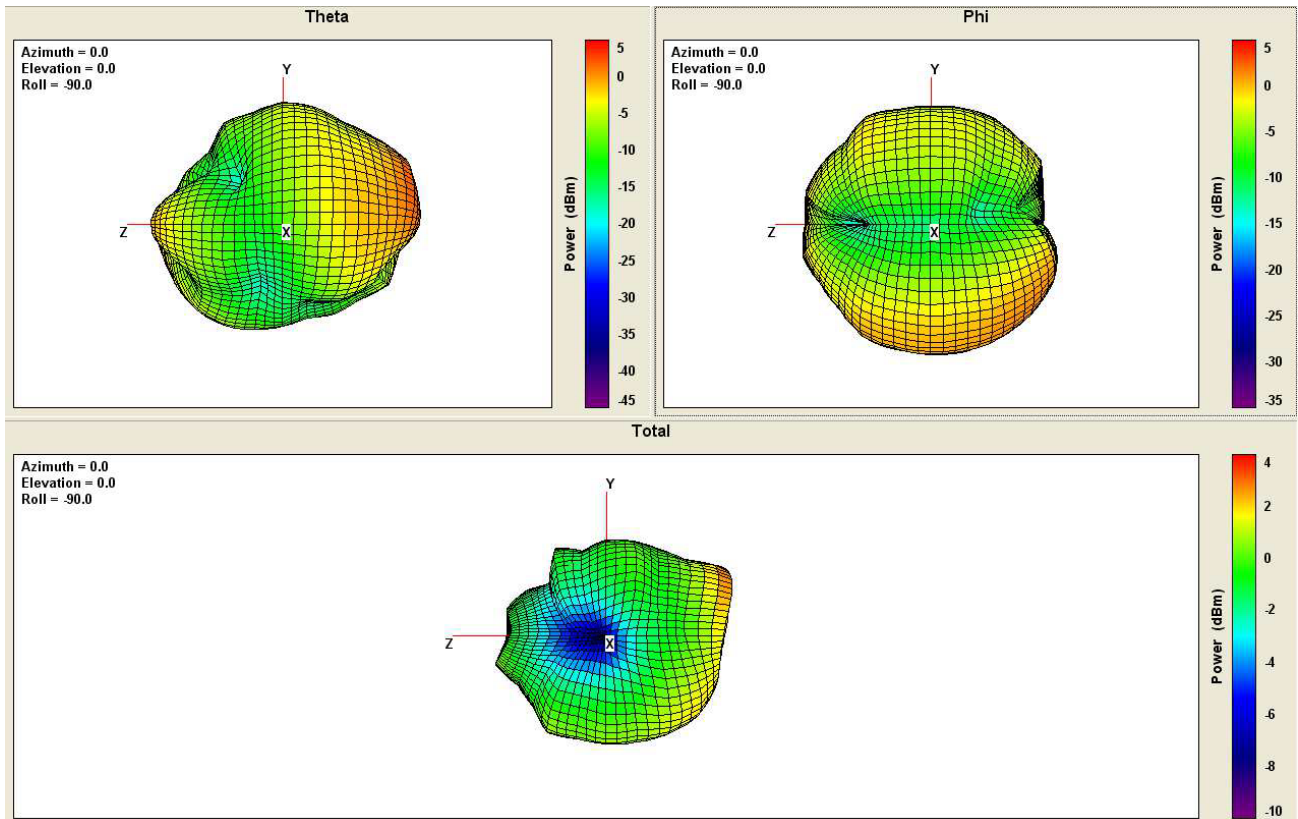


1.3 Antenna Pattern (3-D)

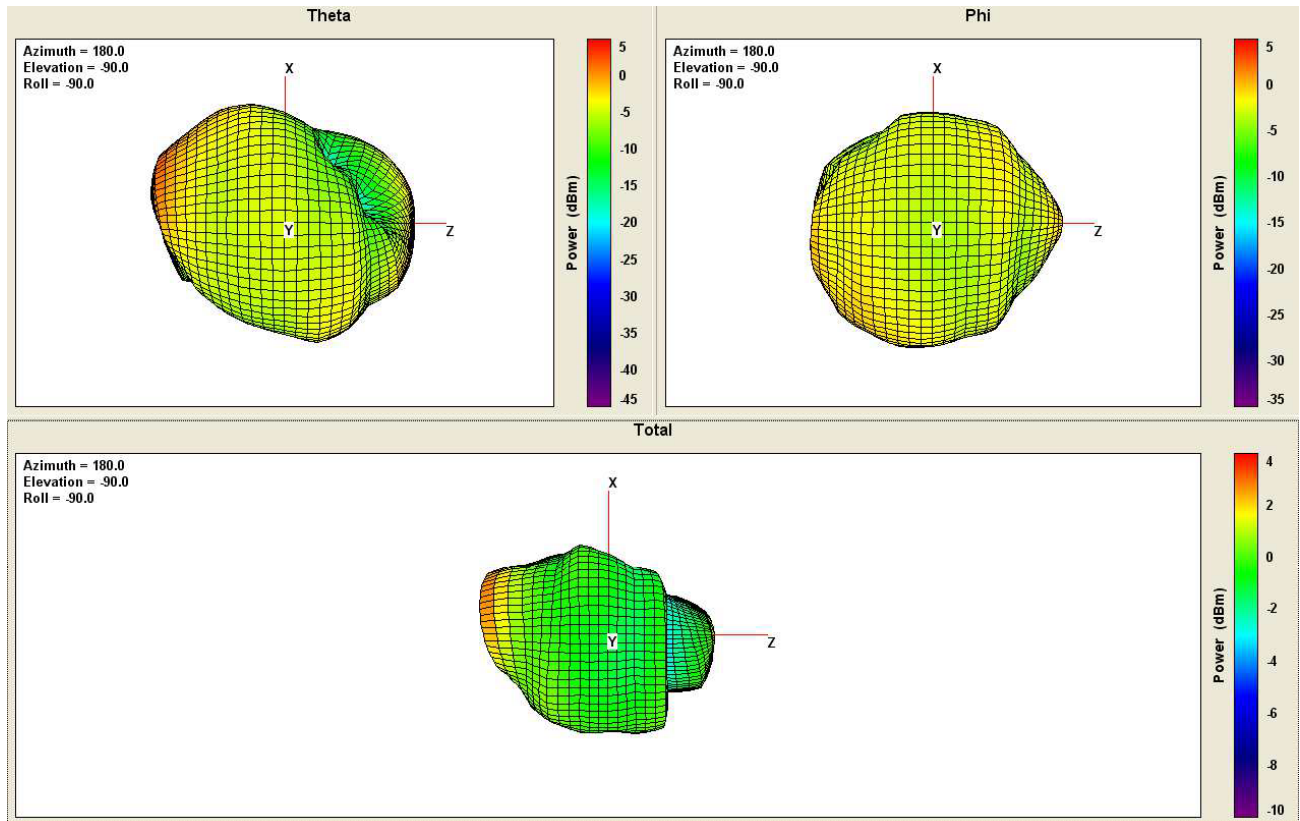
1.3.1 XY plane



1.3.2 YZ plane



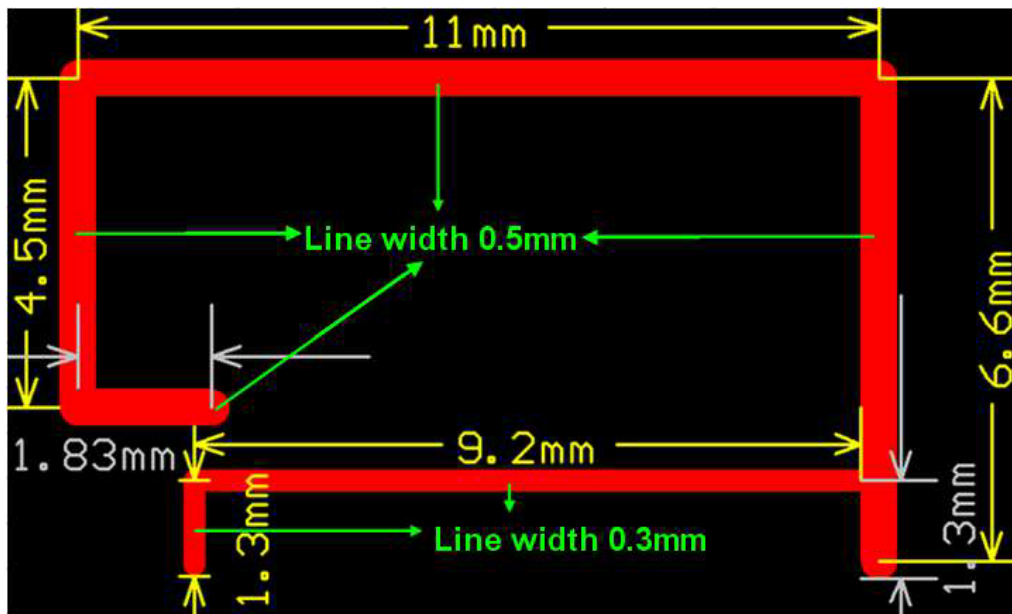
1.3.3 XZ plane



1.4 Antenna Efficiency

Frequency (MHz)	2400	2450	2500
Ant. Port Input Pwr. (dBm)	0	0	0
Efficiency (%)	80.3991	78.6404	74.5342
Average Gain (dB)	-0.947487	-1.04354	-1.27644

1.5 Antenna Dimension



Antenna Type: PCB Antenna

Frequency (MHz)	2400	2450	2500
Point Values			
Peak Gain (dBi)	3.12352	3.13717	3.27138