

Data Sheet

Module name : IA9QH5 S83D-F Module

Project Code : SMMSBRQHC58RH4

Version 0.2

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10. Antenna Application

10.1 Suggested Clear Area

The recommended antenna clearance for embedded PCB antennas are shown below. Note that this clearance should be maintained when mounting the module on a motherboard.

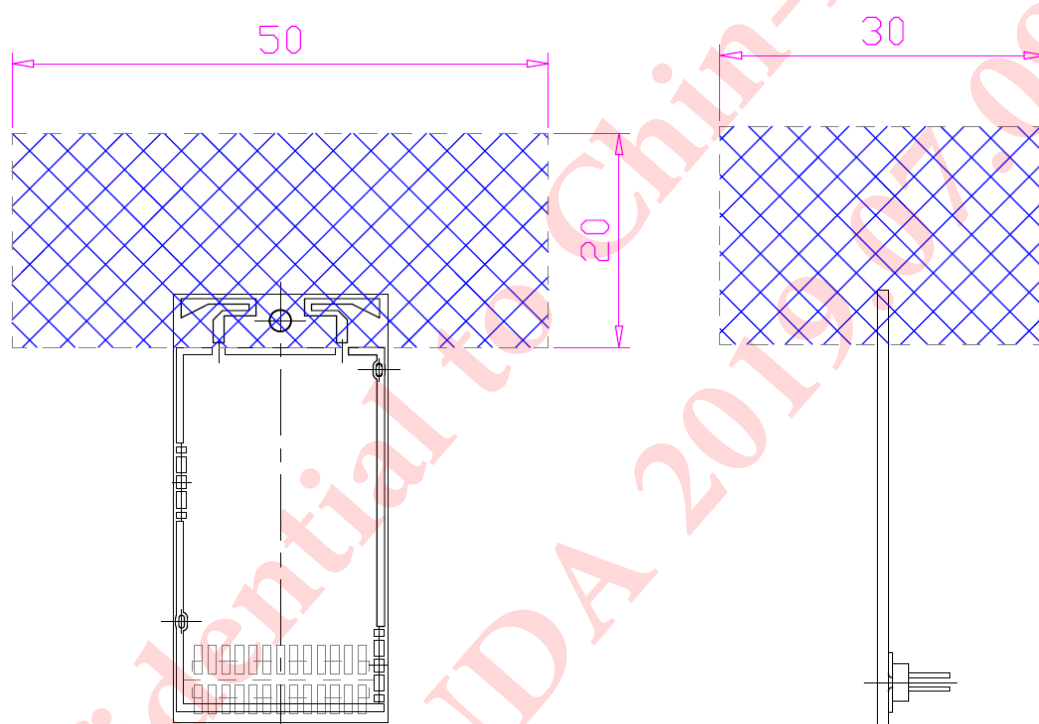
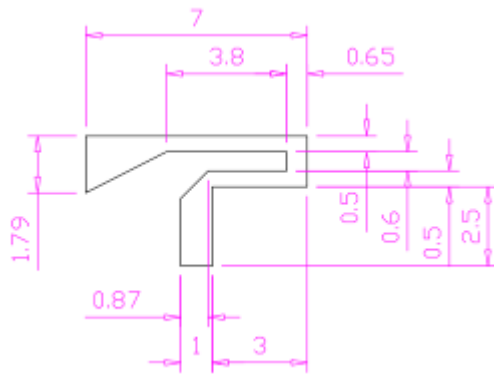


Fig 10.1 Antenna Clearance Recommendations from Top and Side View

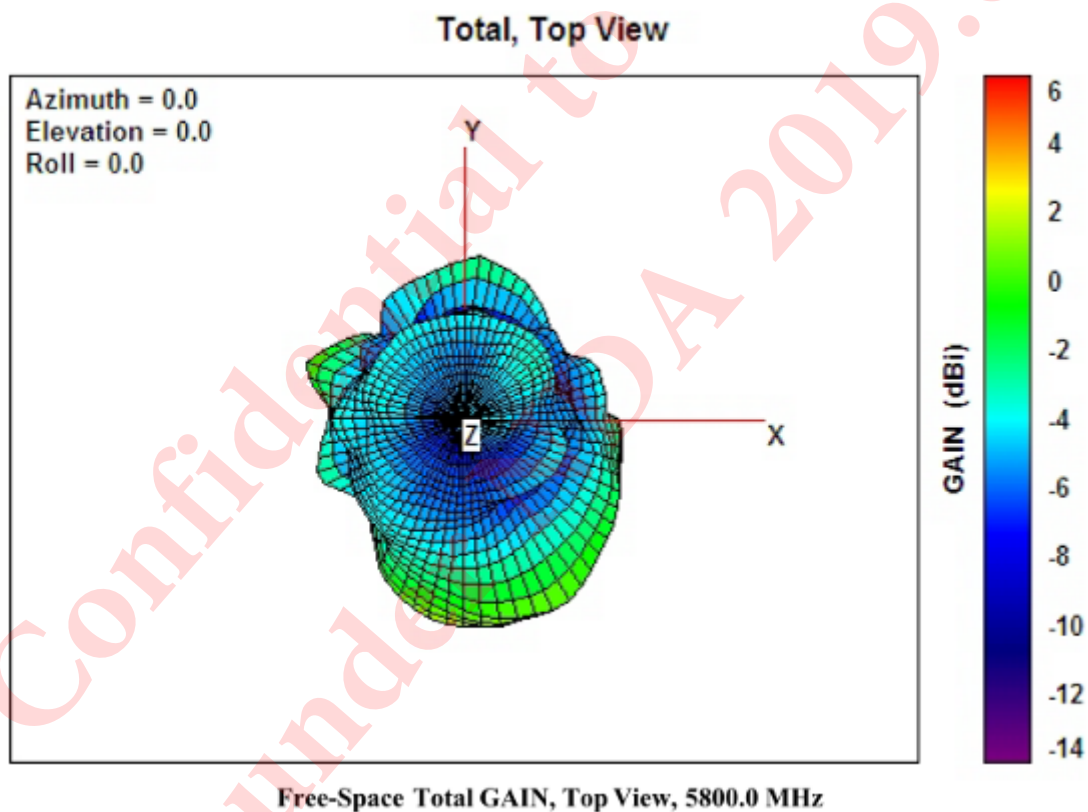
Do not place any copper, metal or even PCB in the area marked with cross lines.

Unit : mm

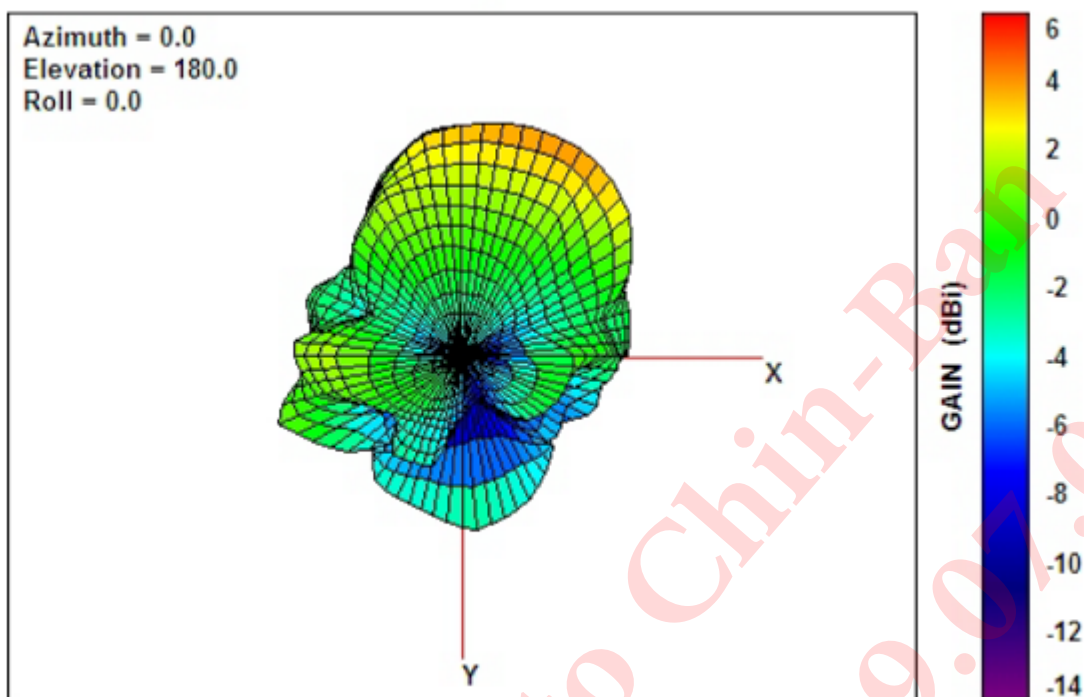
10.2 Antenna Drawing



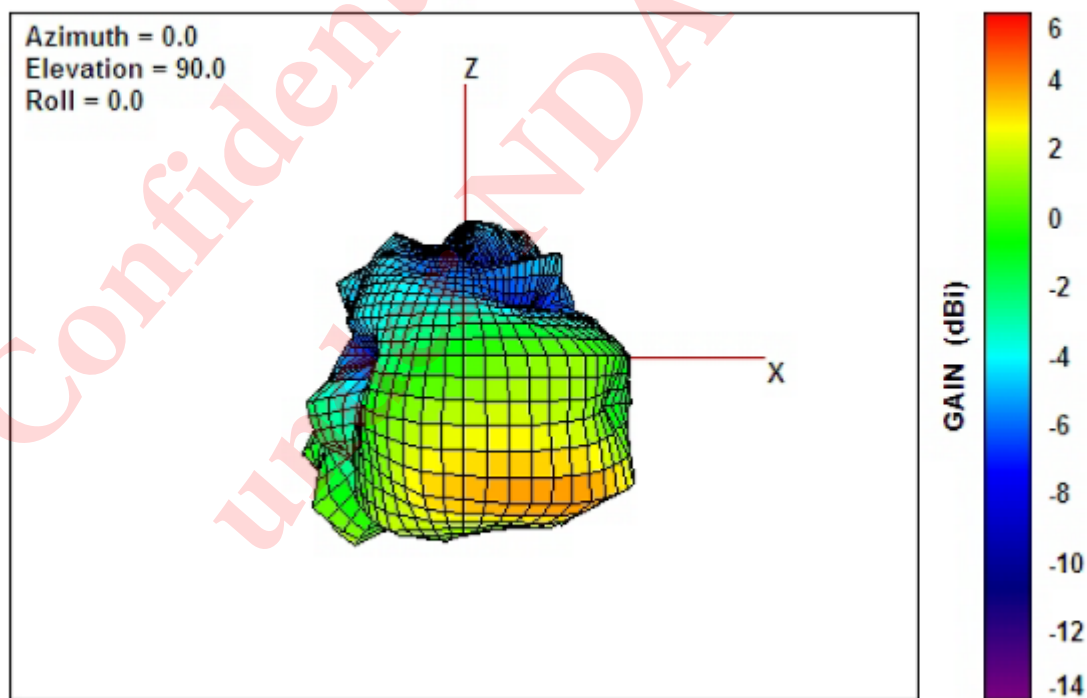
10.3 Antenna Pattern



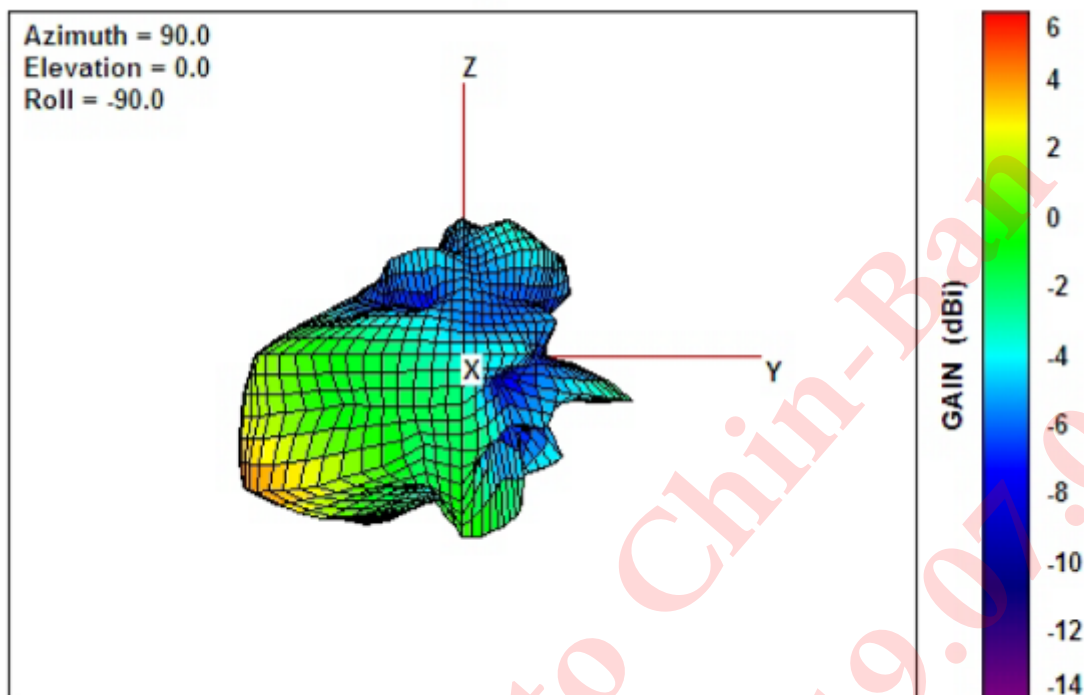
Total, Bottom View



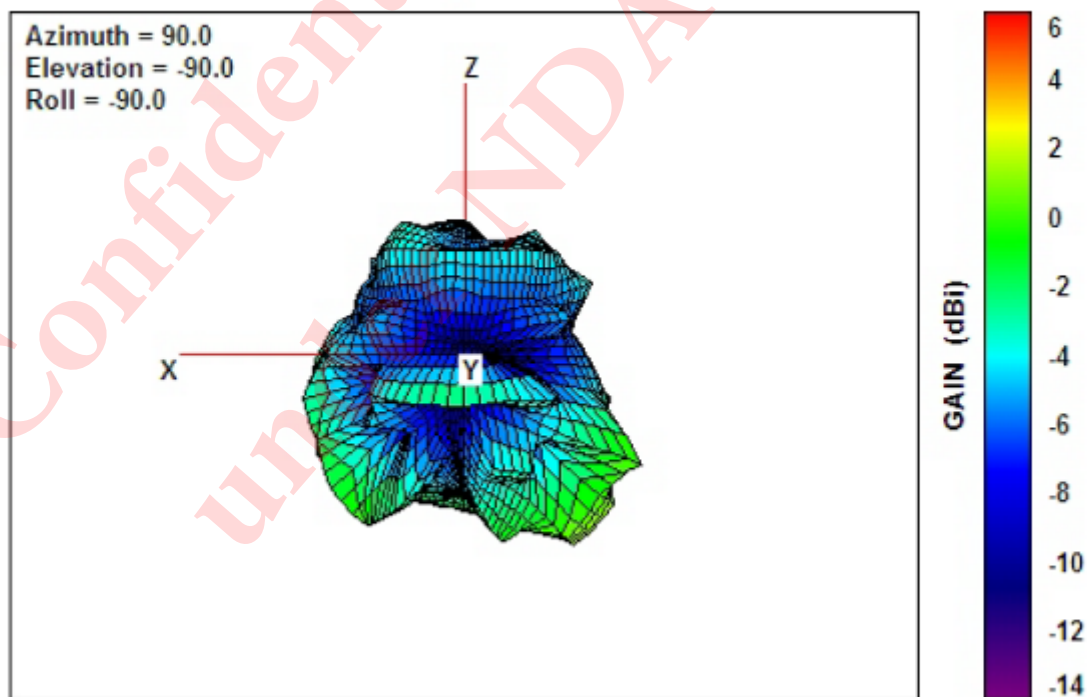
Total, Back Face View

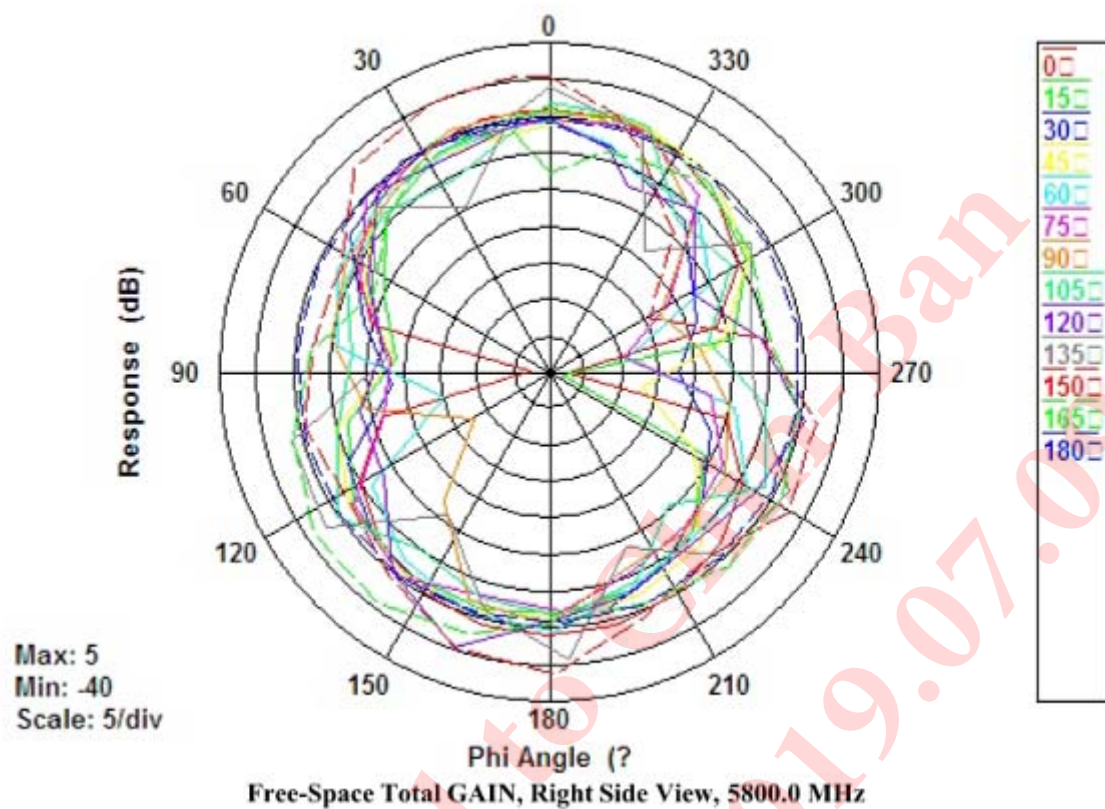


Total, Left Side View



Total, Front Face View





Max Antenna Gain : 2.85 dBi