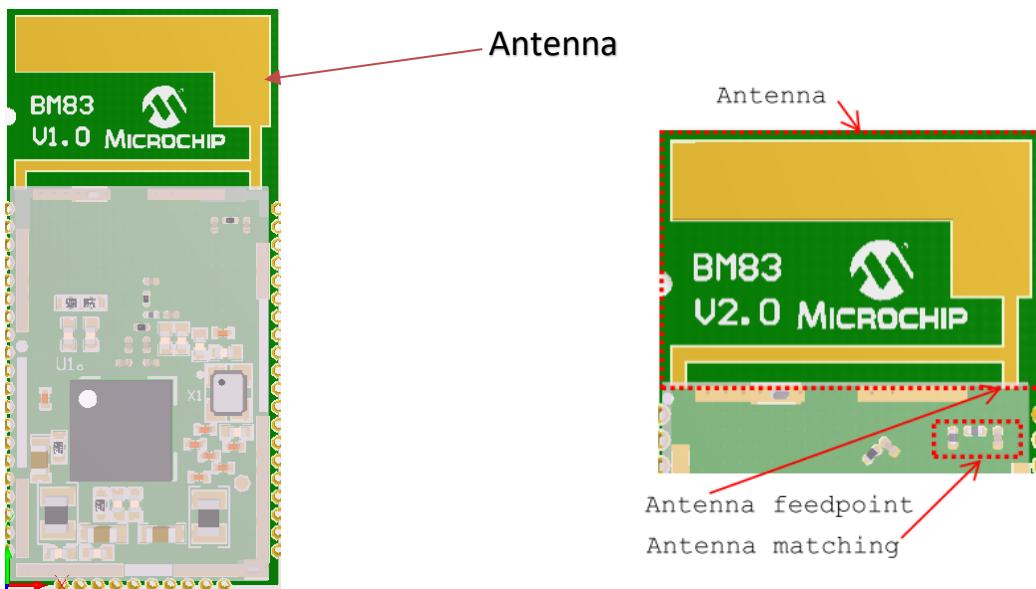




BM83 PCB Antenna

1.1. PCB view of the Module-

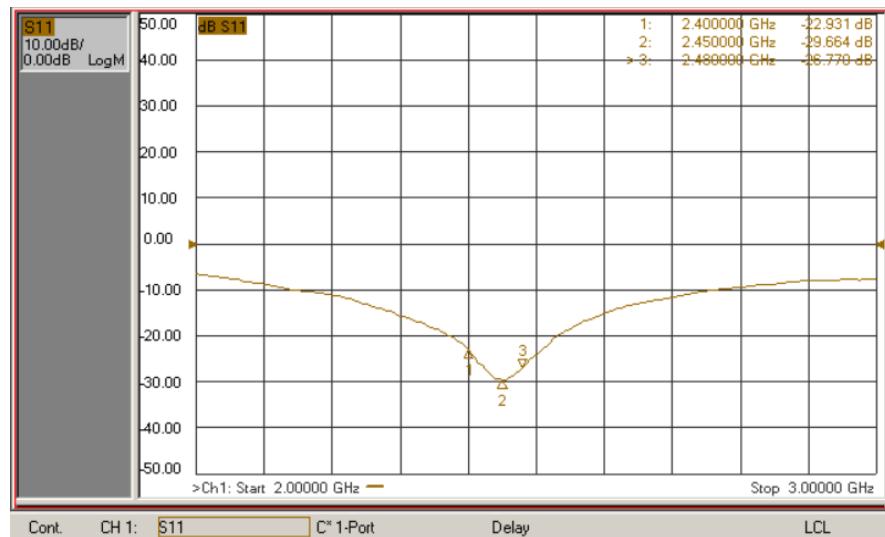


1.2. Antenna characteristics

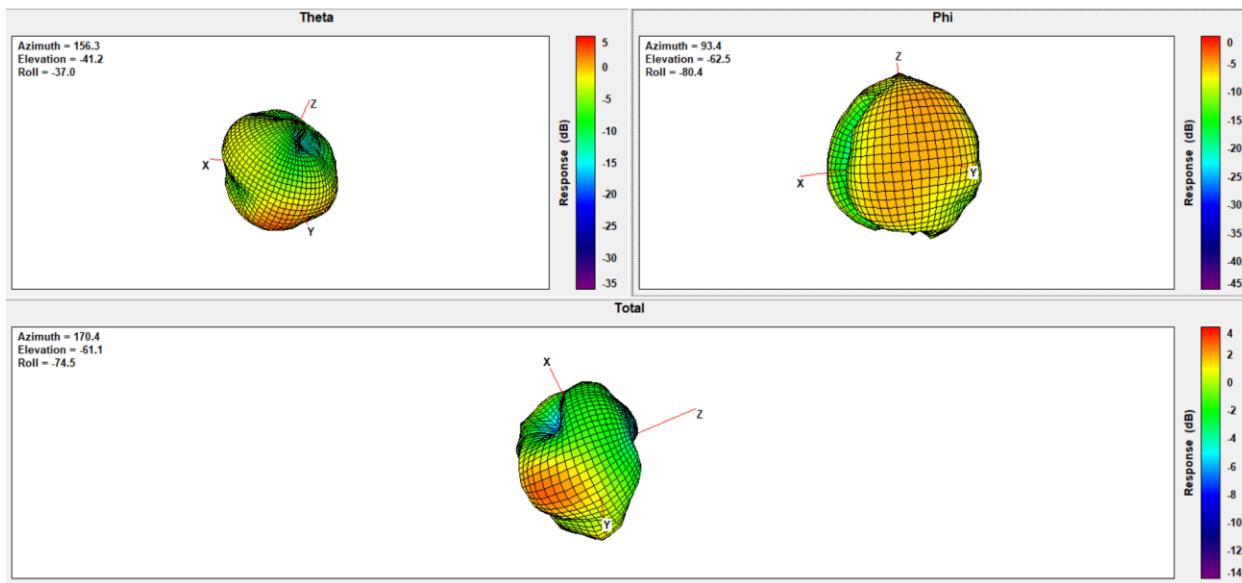
- The module uses an on-board PCB antenna with 3.5 dBi gain, 80% average efficiency when mounted on evaluation board.

Antenna Gain	3.5dBi
Measurement frequency	2.442GHz
Efficiency (avg)	80%
Operating band	2.4GHz – 2.5GHz

Return Loss

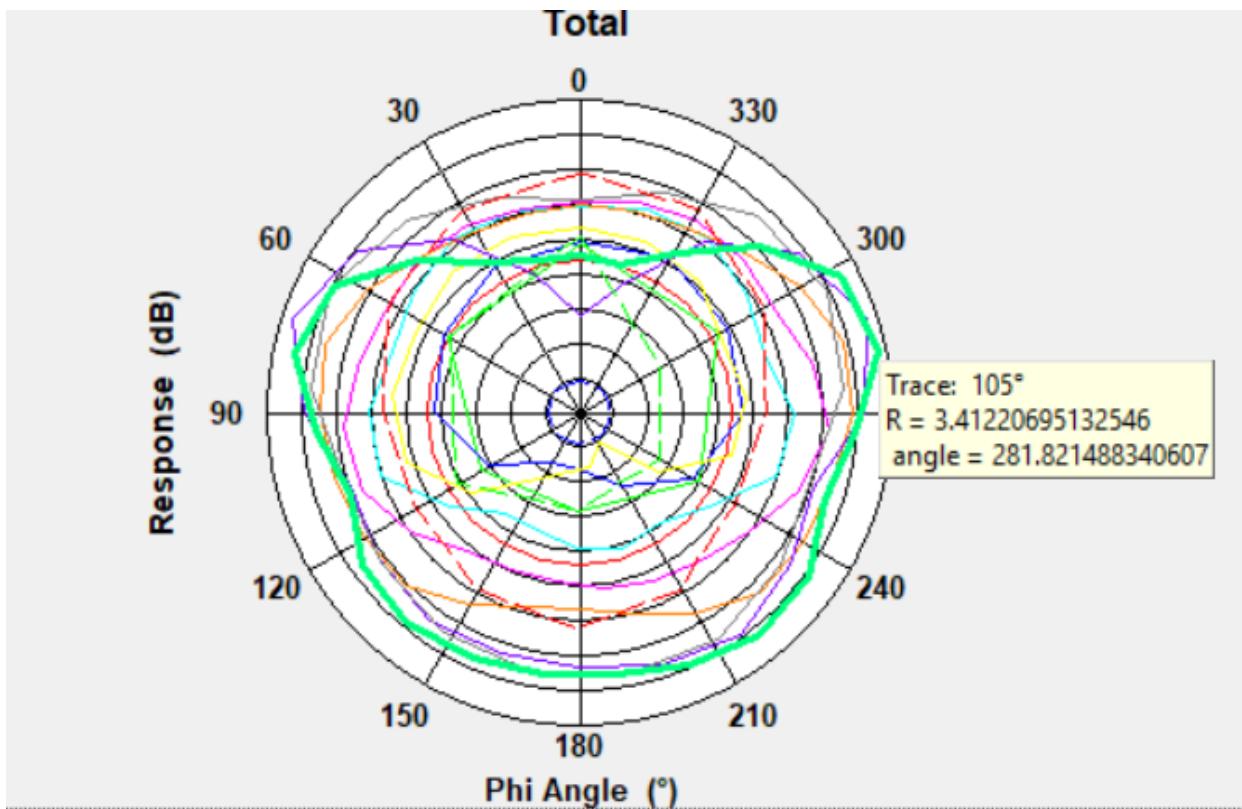


3D radiation pattern

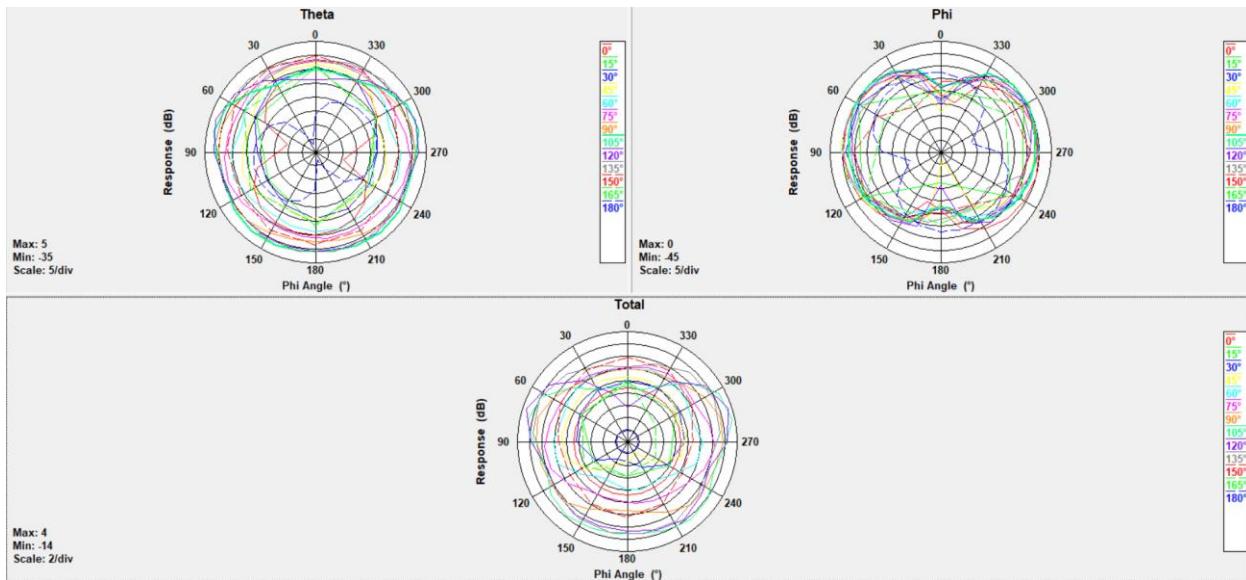


Gain Measurement

Peak Gain = 3.5dBi at $\phi = 282^\circ$



Polar Plot



Maximum gain (Θ, ϕ)

