

GameProofer

Disc Golf Smart Tag

DGT4G Bluetooth Antenna



Integrated PCB Antenna covering 2.4 GHz ISM and GNSS frequencies. This datasheet covers 2.4 GHz ISM band

Measurements 28mm x 11mm, red rectangle

Bluetooth Antenna
Measurement point marked with Red Arrow at the BLE SoC Output



Results are measured at anechoic chamber in R&D laboratory.

ELECTRICAL SPECIFICATION

Frequency Range
2400 MHz – 2482 MHz

Antenna Efficiency
-4.2 dB to -3.0 dB

Peak Gain
0.74 dBi @ 2440 MHz

Feed Impedance
50 Ω

MANUFACTURER:

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33720
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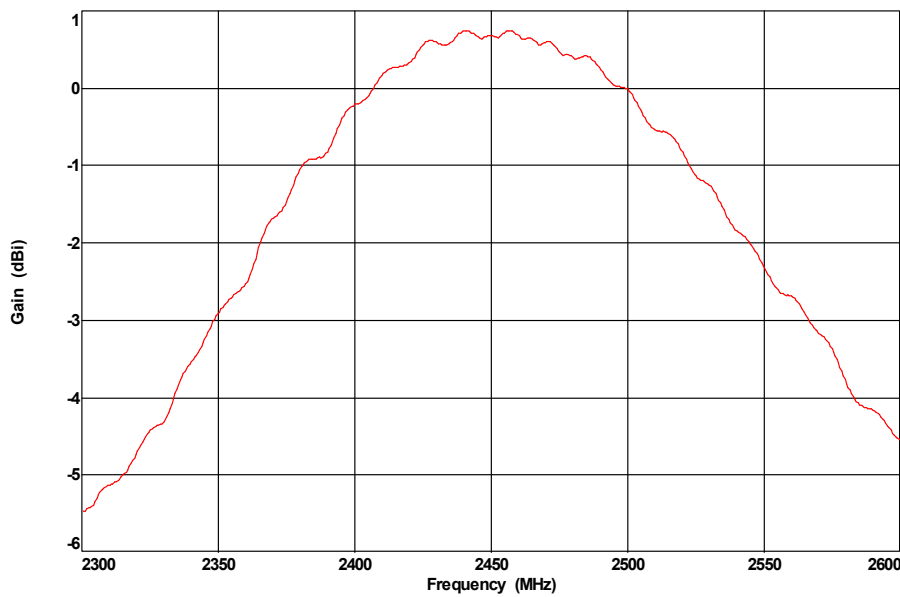
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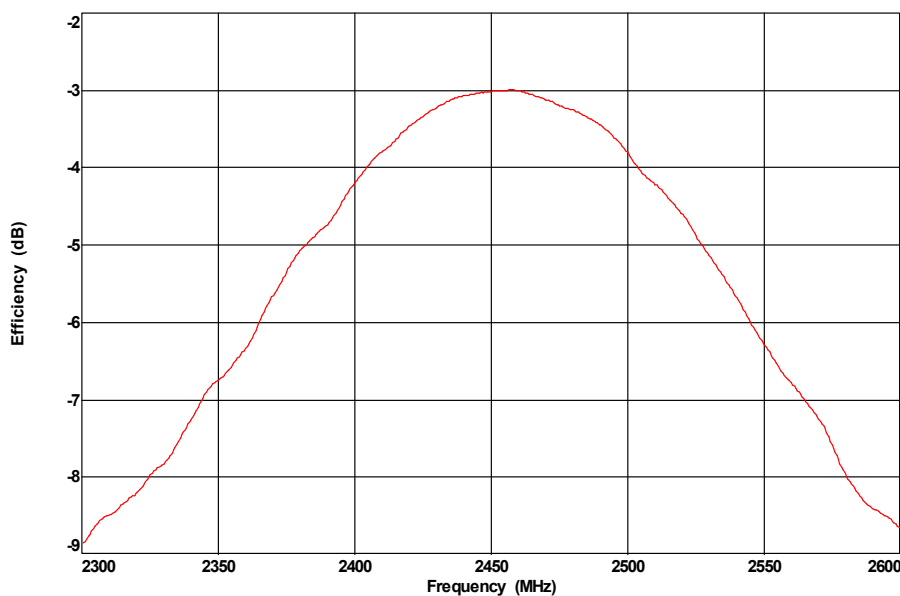


Results are measured at anechoic chamber in R&D laboratory.

Realized Antenna Gain



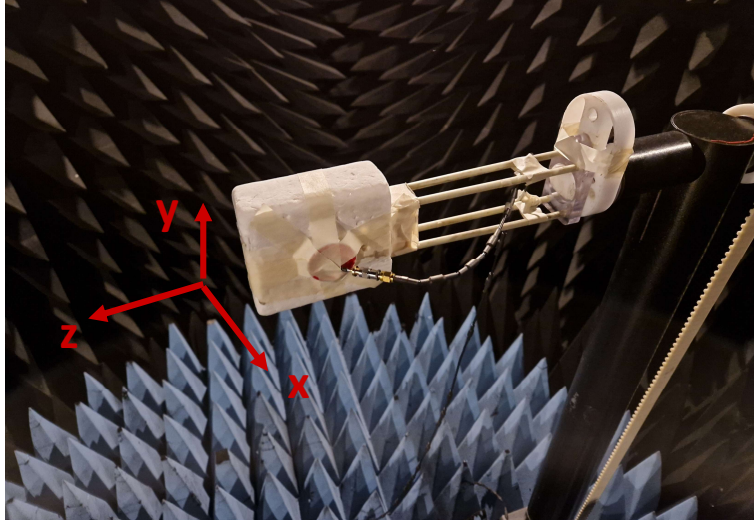
Total Antenna Efficiency



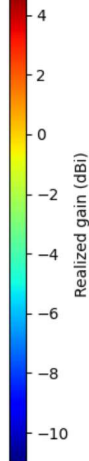
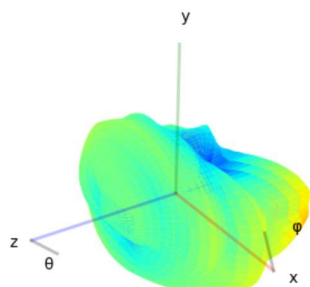
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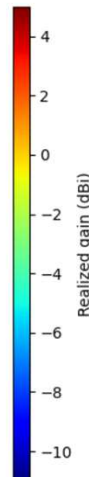
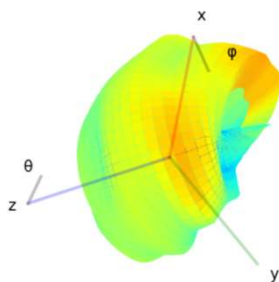
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2.44 GHz $G_{max}=0.74$ dBi $G_{min}=-10.68$ dBi



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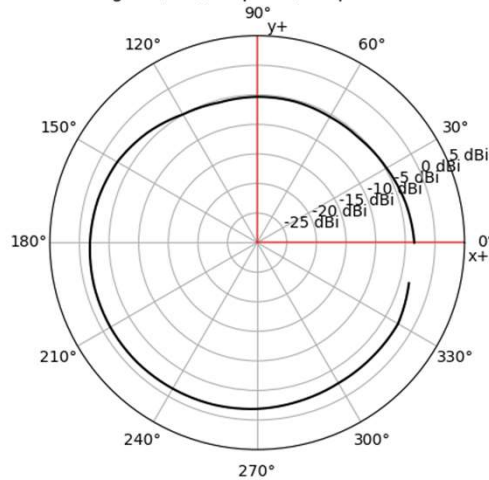
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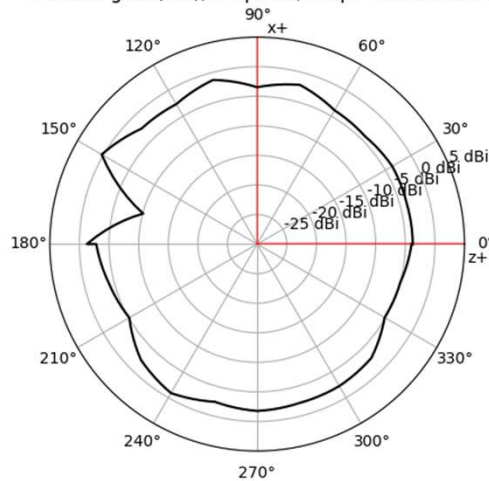
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Results are measured at anechoic chamber in R&D laboratory.

Realized gain (dBi), XY-plane, freq. = 2440.0 MHz



Realized gain (dBi), XZ-plane, freq. = 2440.0 MHz



Realized gain (dBi), YZ-plane, freq. = 2440.0 MHz

