

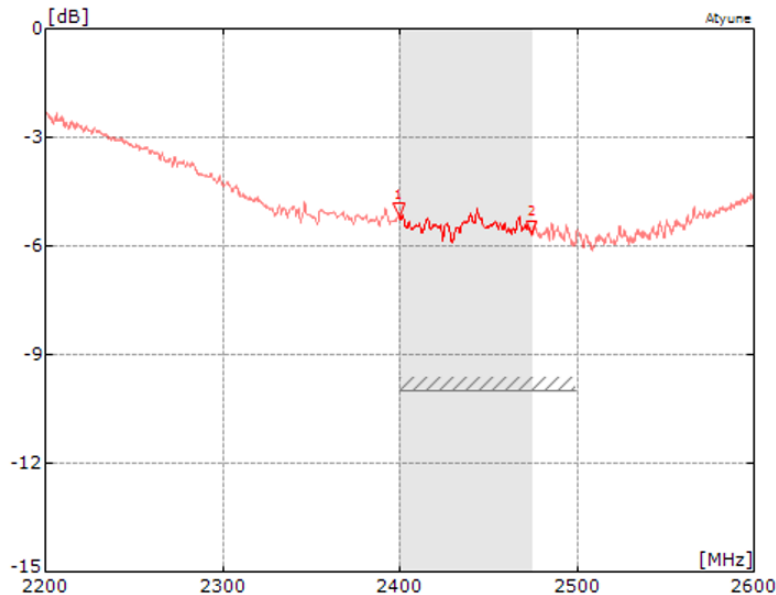
FMC13A Bluetooth antenna test report

- **Frequency bands:** 2402-2480 MHz
- **Internal Metal antenna.**
- **Impedance:** 50 Ohm.
- **Applications:** Bluetooth
- **Polarization mode:** Linear.
- **Radiation pattern:** Omni-directional.

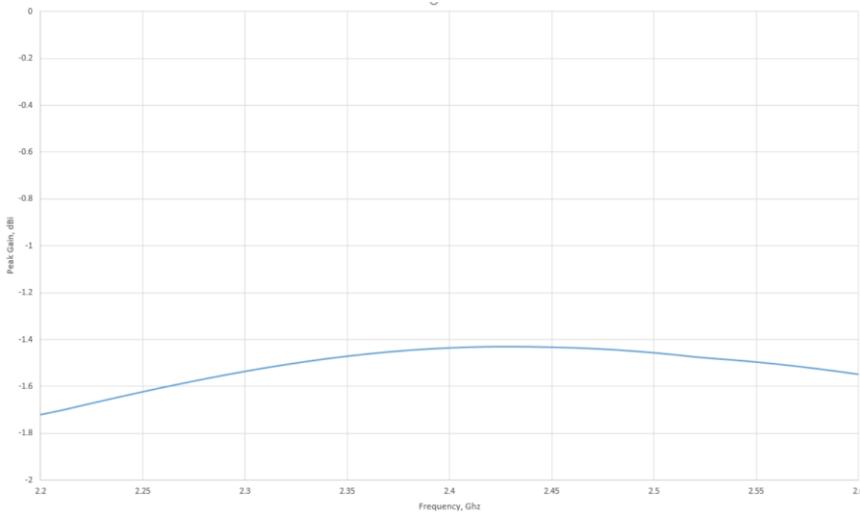
Specifications:

Frequency Range, MHz	Peak gain, dBi	Max VSWR (in BW)
2402 MHz	-1.43	≤ 3.5
2450 MHz	-1.43	≤ 3.5
2480 MHz	-1.43	≤ 3.5

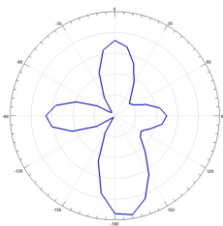
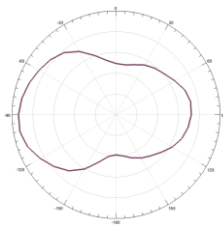
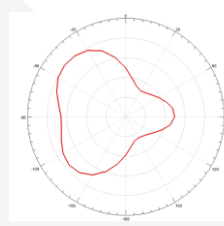
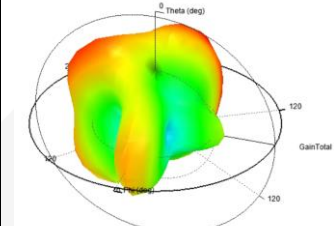
Return loss:



GAIN:



Directional patterns

Frequenc y	XY(Theta=90)	XZ (phi=0)	YZ(Phi=90)	3D
2450 MHz				

Testing equipment used:

Network analyzer	R&S ZVL 6GHz
Spectrum analyzer	R&S FSU8
Frequency generator	Agilent E4438C
Antenna radiation tester	OTA testing system