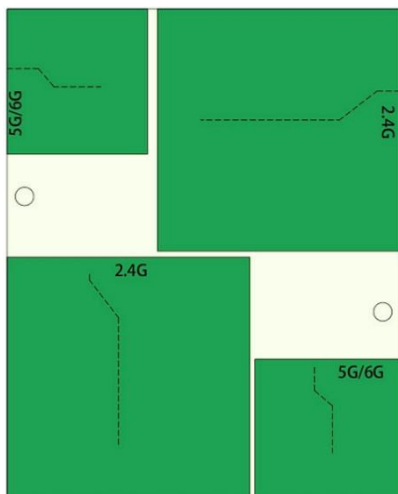


Flat Antenna for 2x2 MIMO on 2.4GHz and 5-7GHz



Model: Flatant-2x2-dual band-5dBi

KEY FEATURES

- Flat structure
- 4x antenna elements

APPLICATIONS

- Indoor high diversity MIMO communications
- Point-to-MultiPoint (PtMP) AP
- Indoor Mesh AP

Antenna Specifications

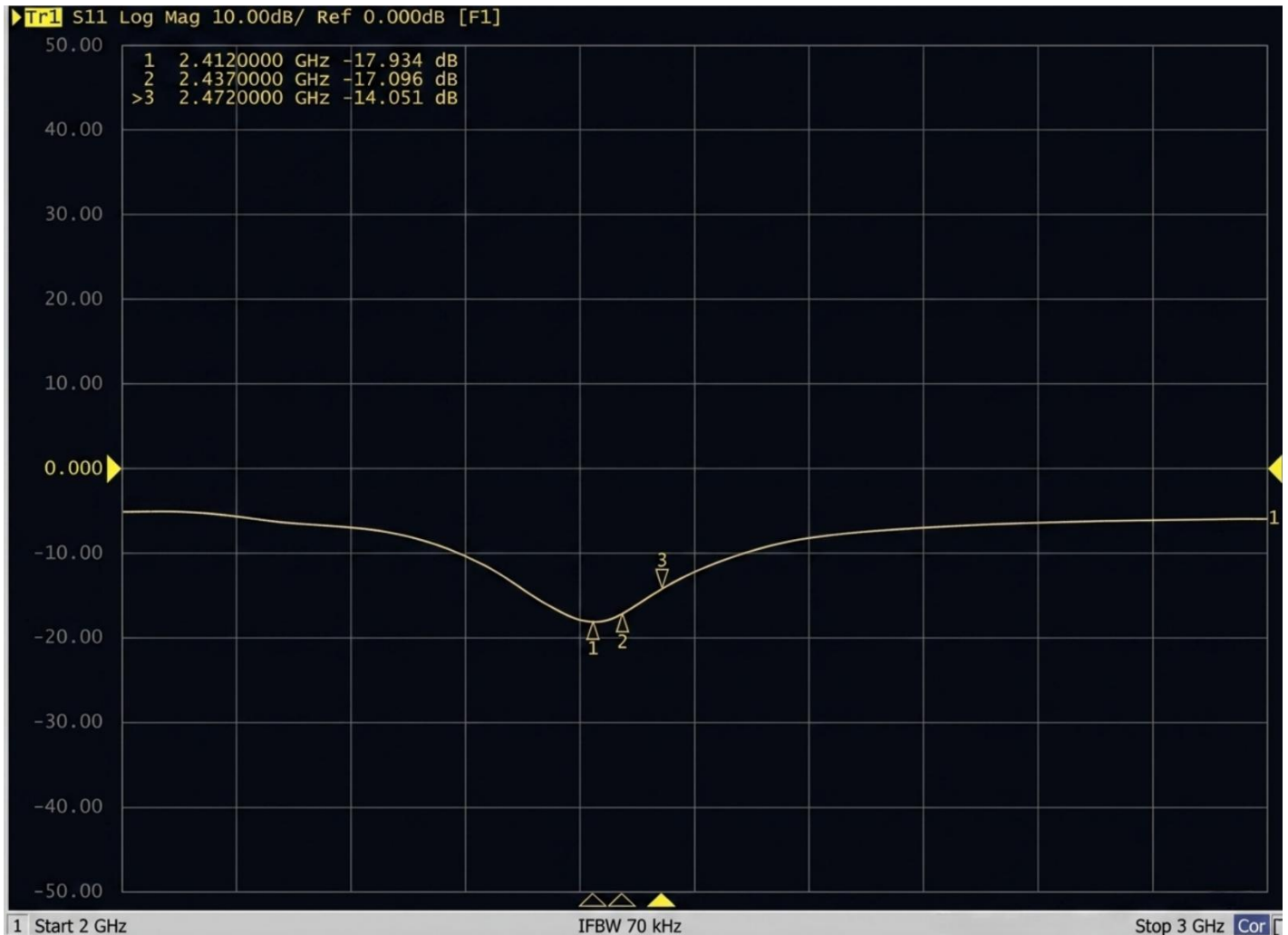
Antenna Elements	2 elements for 2.4 GHz band and 2 elements for 5-7 GHz band
Size	85 mm x 74 mm
Connectors	4x U.FL antenna connectors
Frequency Range	2.412~ 2.472 GHz, 5.180 ~ 7.115 GHz
Gain	5 dBi for 2.4 GHz band and 5 dBi for 5-7 GHz band
Radiation	Wide angle directional front firing
Polarization	Separate vertical and horizontal polarization elements for enhanced MIMO throughput
Isolation	> 20 dB for 2.4 GHz band and > 30 dB for 5-7 GHz band
VSWR	2.4GHz < 2.0:1 5.1GHz-6.8GHz < 2.0:1 6.8GHz-7.1GHz <2.5:1
Input Impedence	50 ohm

Ordering Information

Item Code	Antenna
FLATANT-5DBI-2X2-4UFL	Flatant-2x2-dualband-5dBi with 4pcs U.FL cable

Antenna S-Parameters

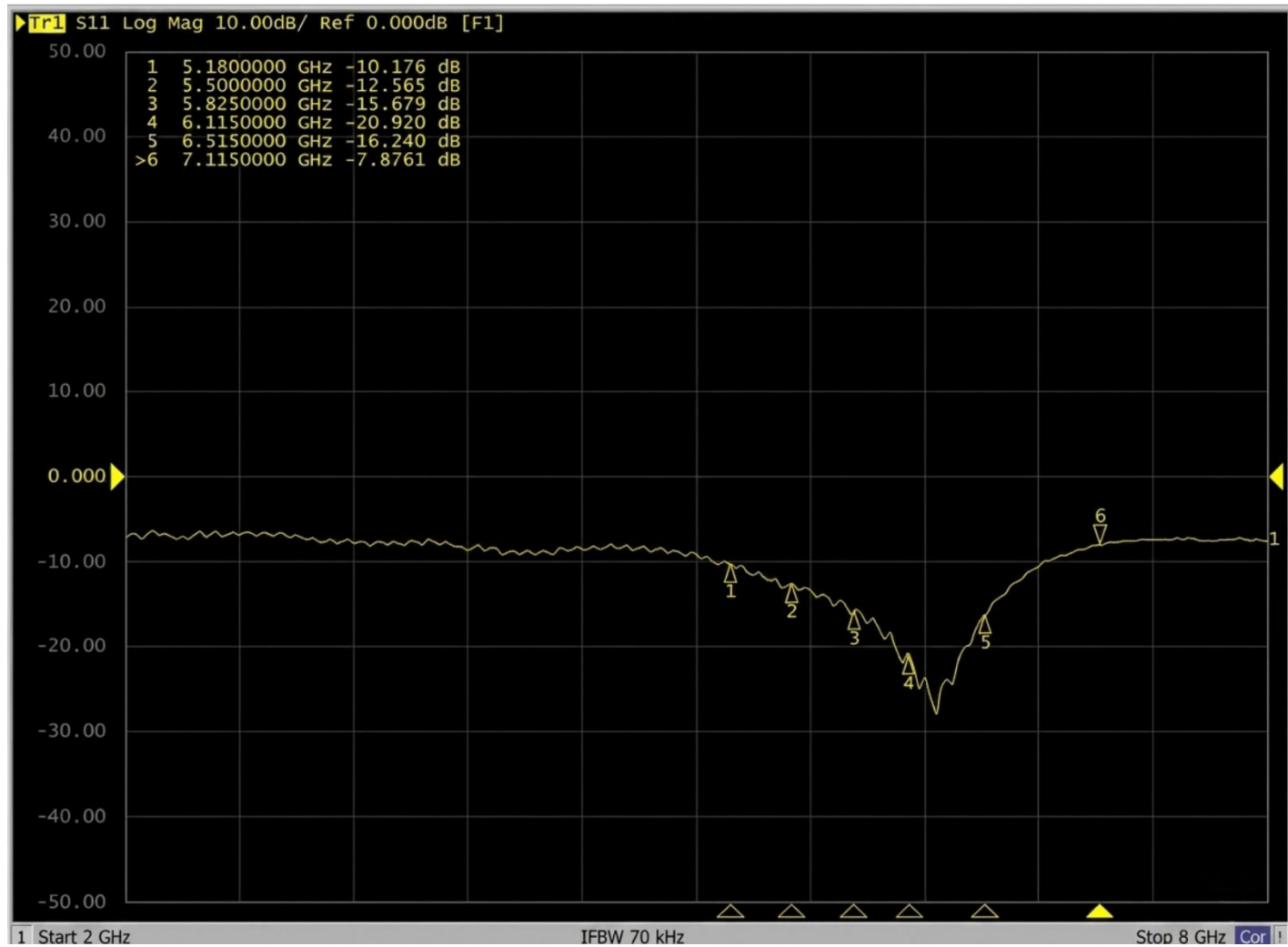
Reflection Coefficient S11 at 2.4GHz



* Note: The measured peak gain (total field) includes the cable loss. The cable loss is about 0.6dB at 2.4GHz and 1.5dB at 5GHz. The actual gain is higher than shown in the graphs.

Antenna S-Parameters

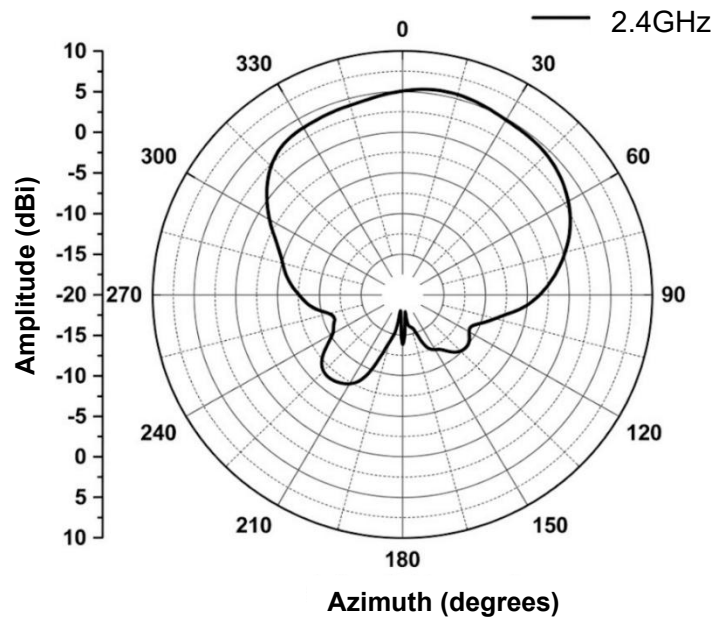
Reflection Coefficient S11 at 5-7GHz



* Note: The measured peak gain (total field) includes the cable loss. The cable loss is about 0.6dB at 2.4GHz and 1.5dB at 5GHz. The actual gain is higher than shown in the graphs.

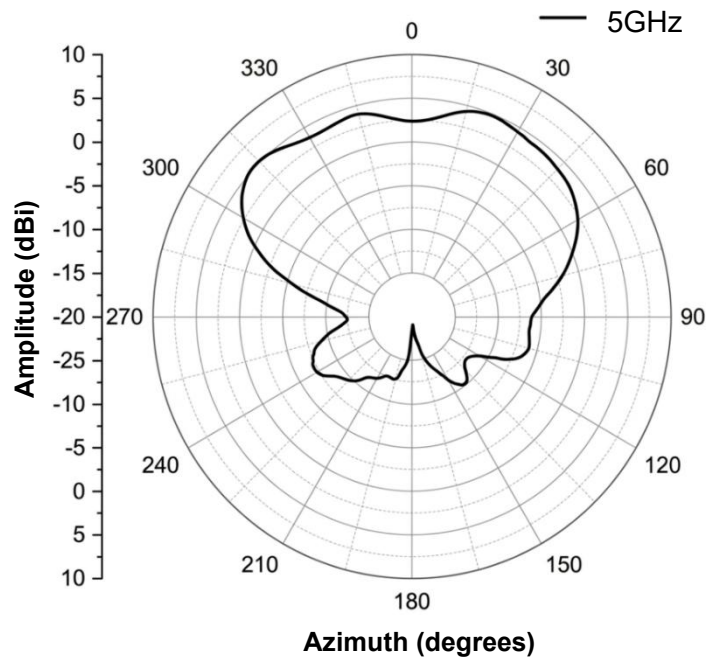
Gain at 2.4 GHz

Polar Plots of the Gain of Each Element at 2.4GHz



Gain at 5 GHz

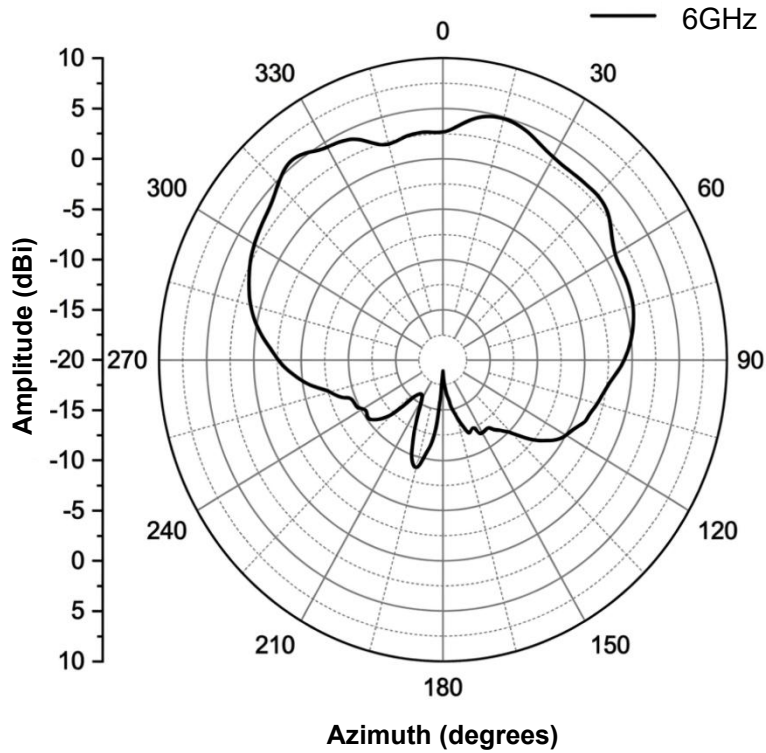
Polar Plots of the Gain of Each Element at 5GHz



* Note: The measured peak gain (total field) includes the cable loss. The cable loss is about 0.6dB at 2.4GHz and 1.5dB at 5-7GHz. The actual gain is higher than shown in the graphs

Gain at 6 GHz

Polar Plots of the Gain of Each Element at 6GHz



* Note: The measured peak gain (total field) includes the cable loss. The cable loss is about 0.6dB at 2.4GHz and 1.5dB at 5-7GHz.
The actual gain is higher than shown in the graphs