



Quectel

KN35500

Antenna Report

Date: 2026.5.6

Build a Smarter World

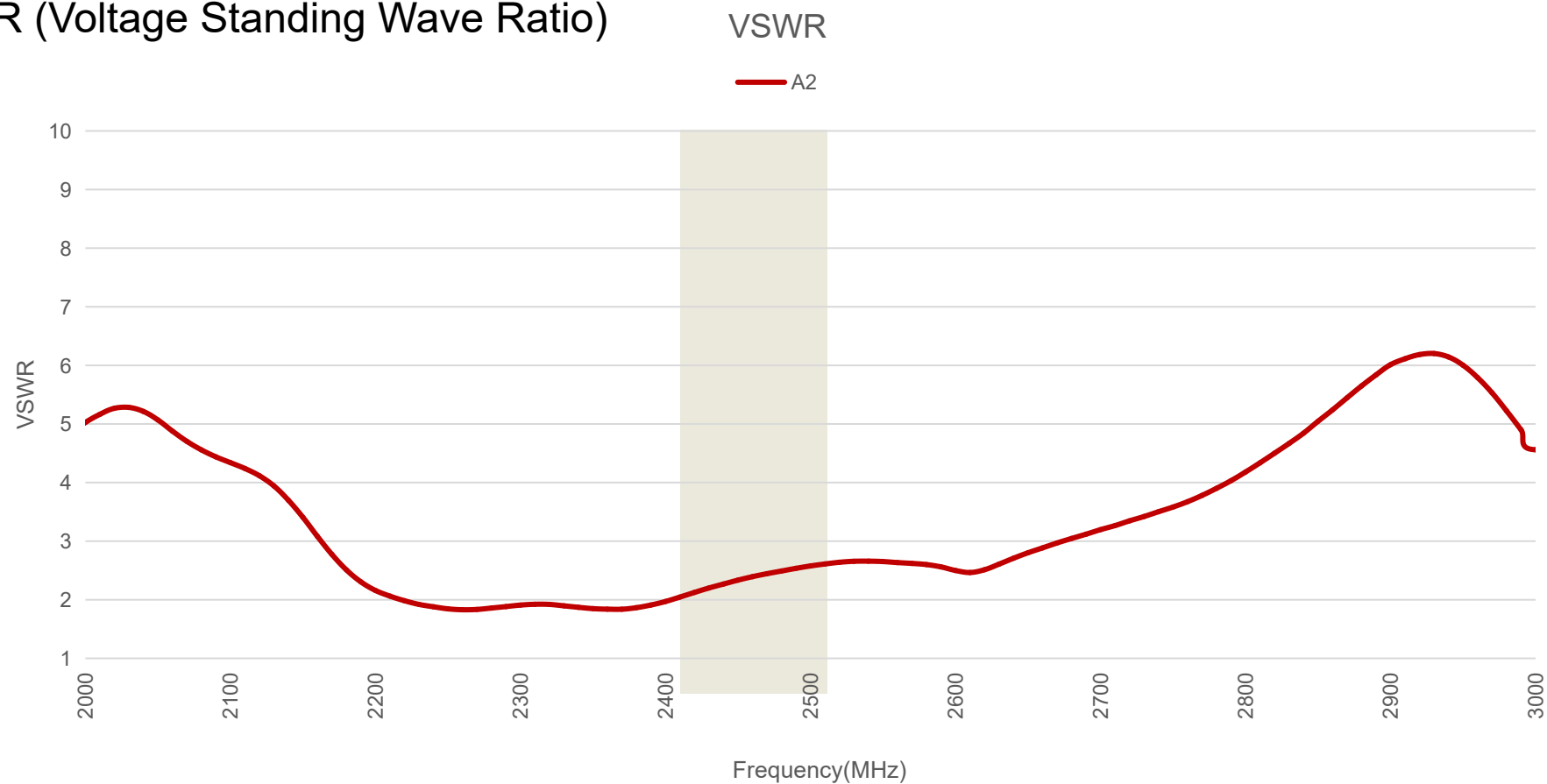
Project Overview



- Device Dimensions: -
- Antenna Quantity: 1
- Network Standard and Frequency Band:
 - ❑ WIFI:2.4GHz
 - ❑ Performance Requirements:
 - ✓ Antenna Efficiency>40%.
- Antenna Type: PCB antenna

Passive Test

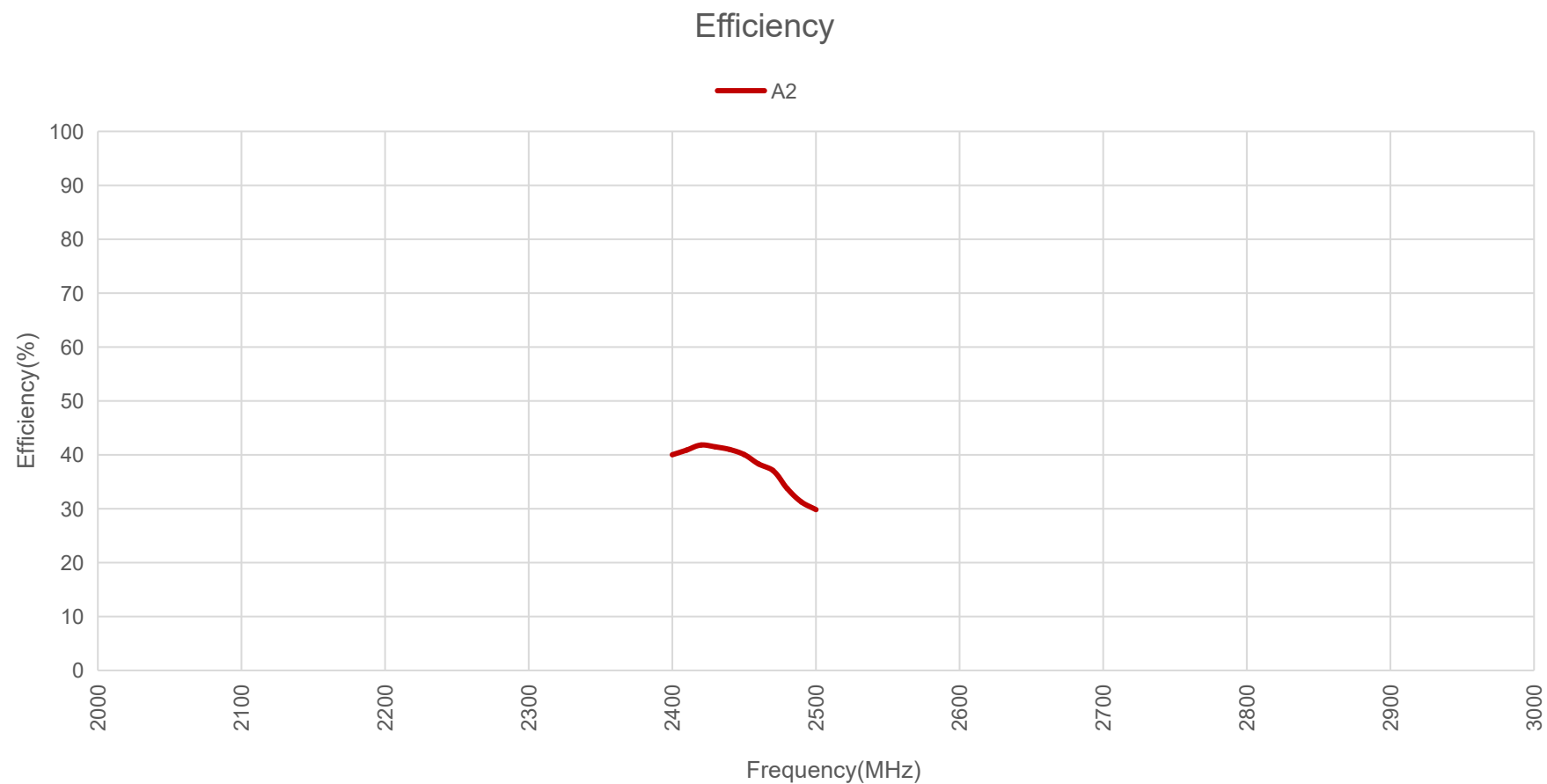
- VSWR (Voltage Standing Wave Ratio)



VSWR (Voltage Standing Wave Ratio):

2400–2500MHz < 2.6;

- Efficiency



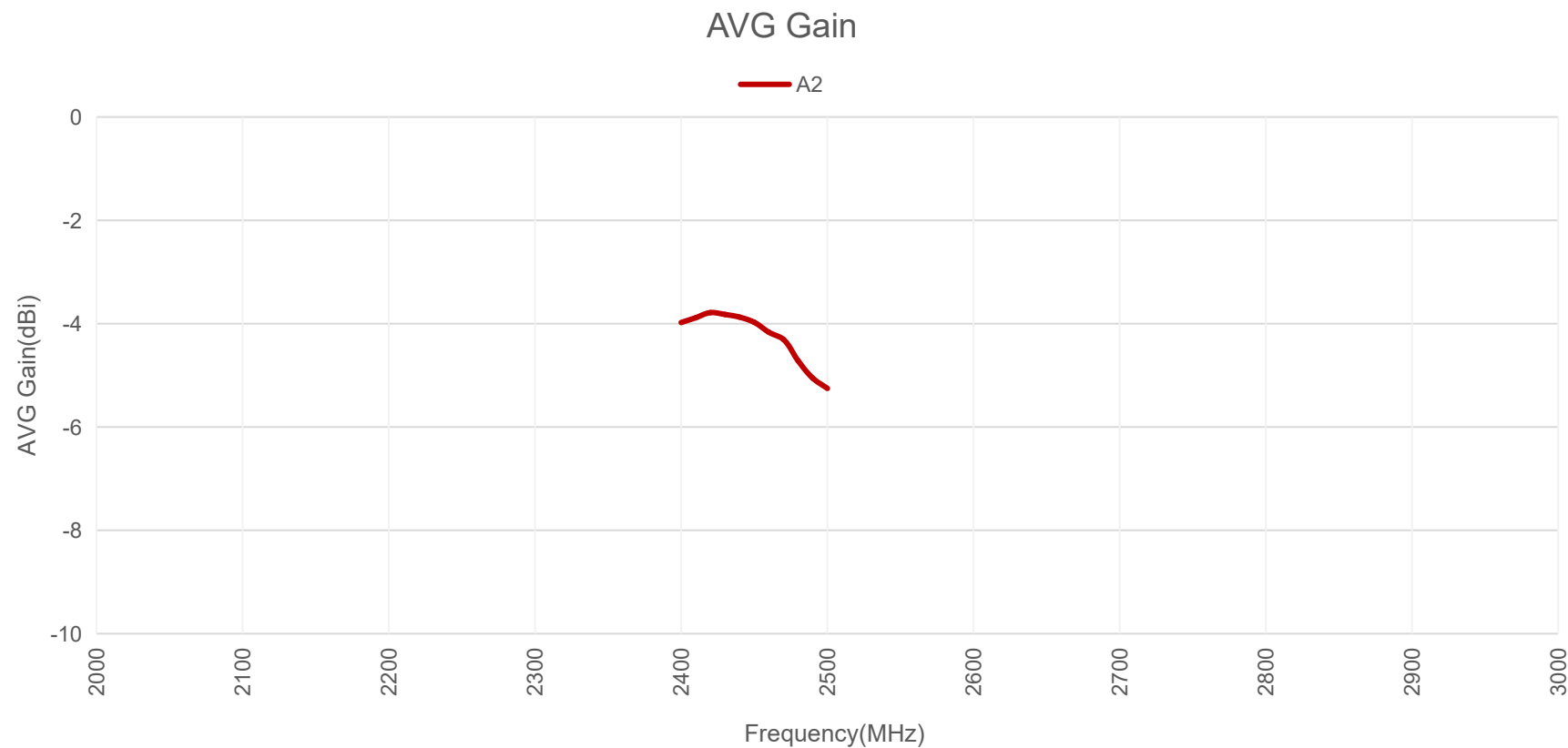
Efficiency:

2400–2500MHz > 29.8%;

Passive Test



- Average Gain



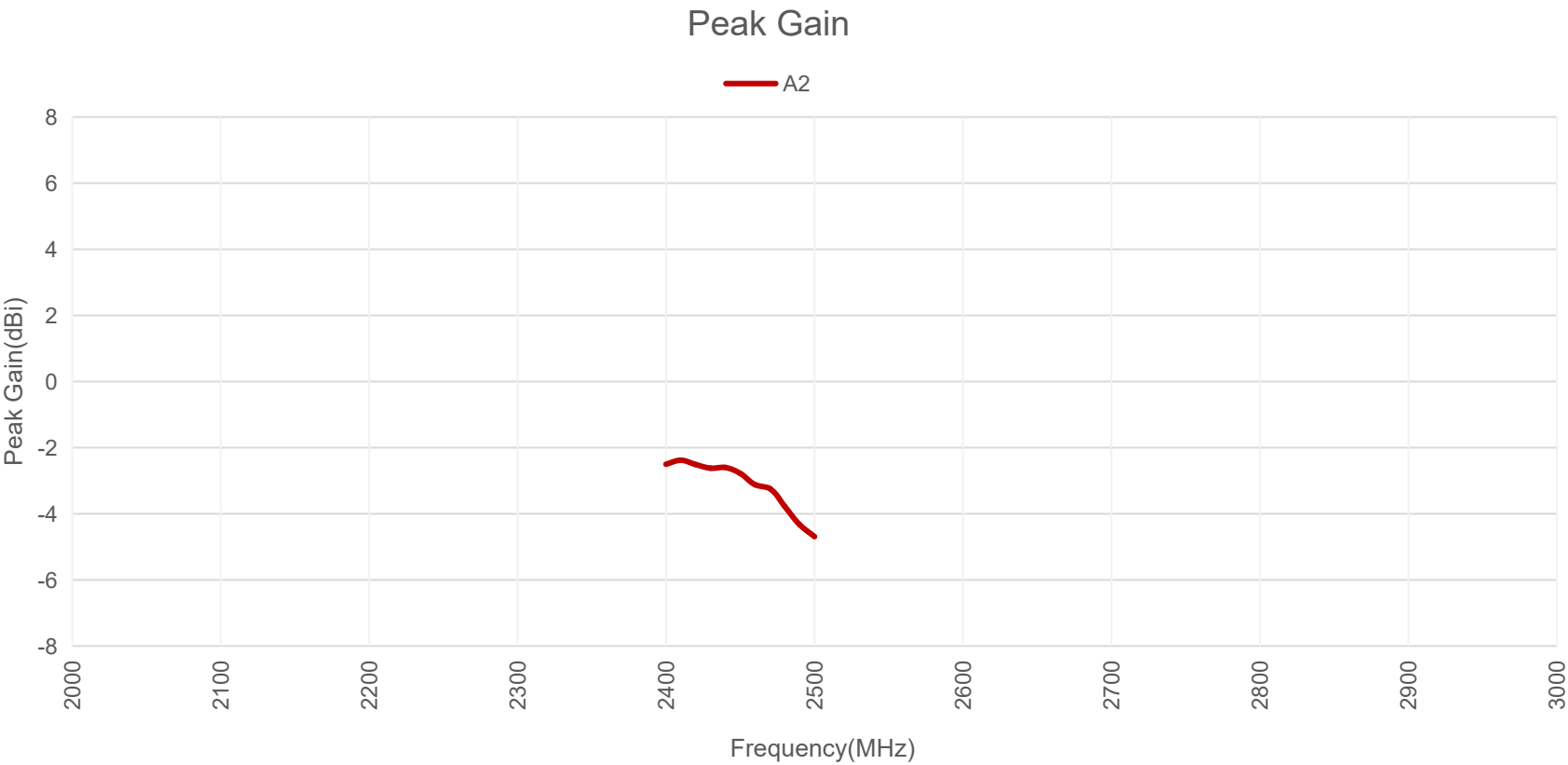
Average Gain :

2400–2500MHz > -5.3 dB;

Passive Test



- Peak Gain



Peak Gain :
2400–2500MHz: -2.4 dBi;

Passive Test



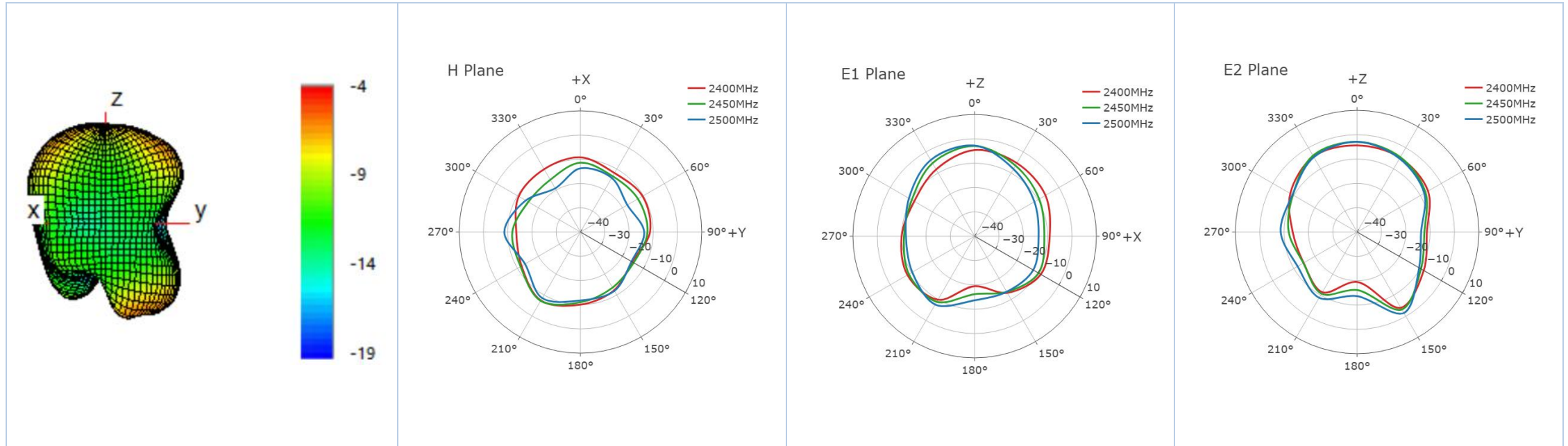
- Passive Data

Passive Test				
	2400MHz	2410MHz*	2450MHz	2500MHz
VSWR	2.0	2.1	2.3	2.6
Efficiency(%)	40.0	40.9	40.1	29.8
Average Gain(dB)	-4.0	-3.9	-4.0	-5.3
Peak gain(dBi)	-2.5	-2.4	-2.8	-4.7

"2410MHz*" indicates the frequency point corresponding to the maximum peak gain value within the frequency band.

Passive Test

- Radiation Pattern-A2 ANT



2450 MHz