

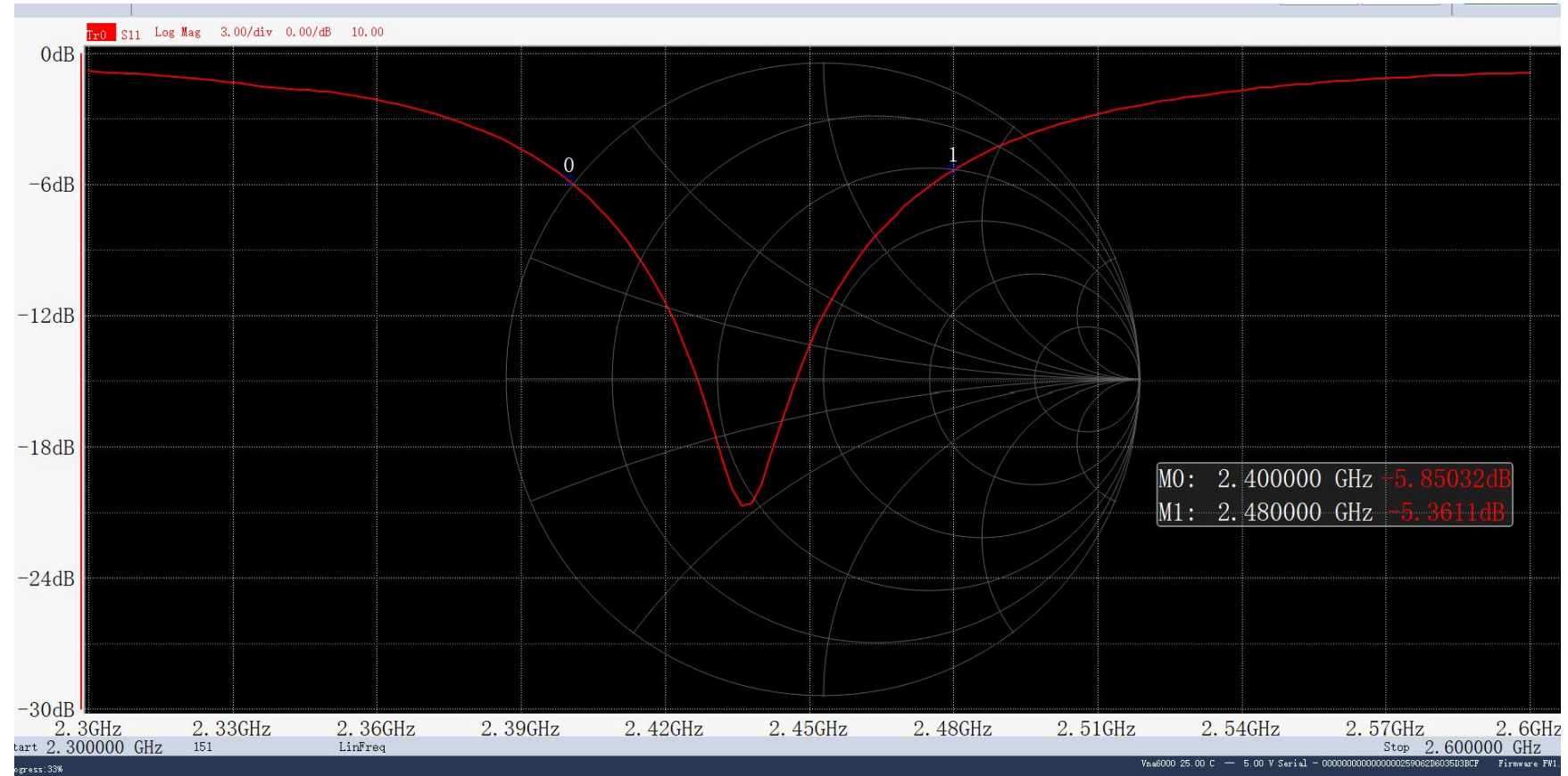
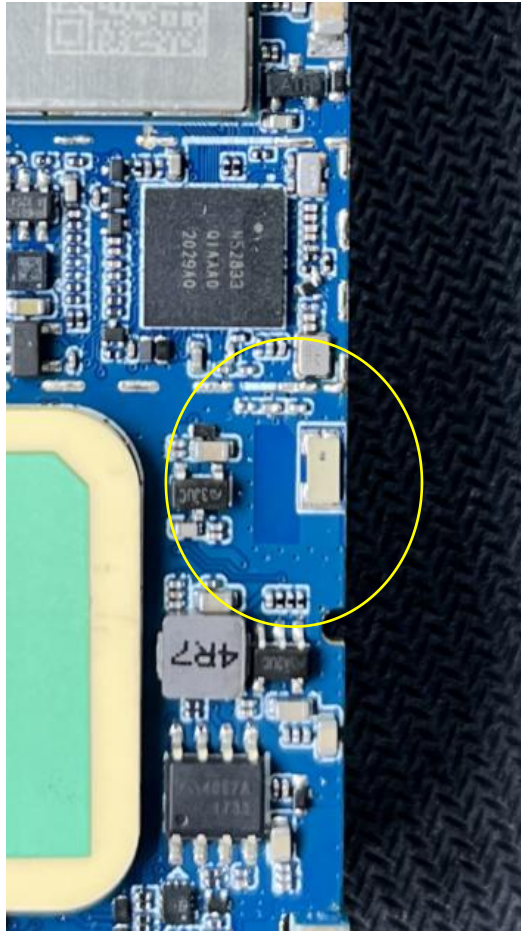
KnightX 100 Antenna Report

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Add: Rm409 Scientific Research Building TsinghuaHi-tech Park
Hi-tech Industrial Nanshan District Shenzhen

Device Model: KnightX 100

Antenna Detail	Antenna Type	Bands & Frequency
Bluetooth Antenna	Passive Ceramic Antenna	Frequency: 2400~2480MHz

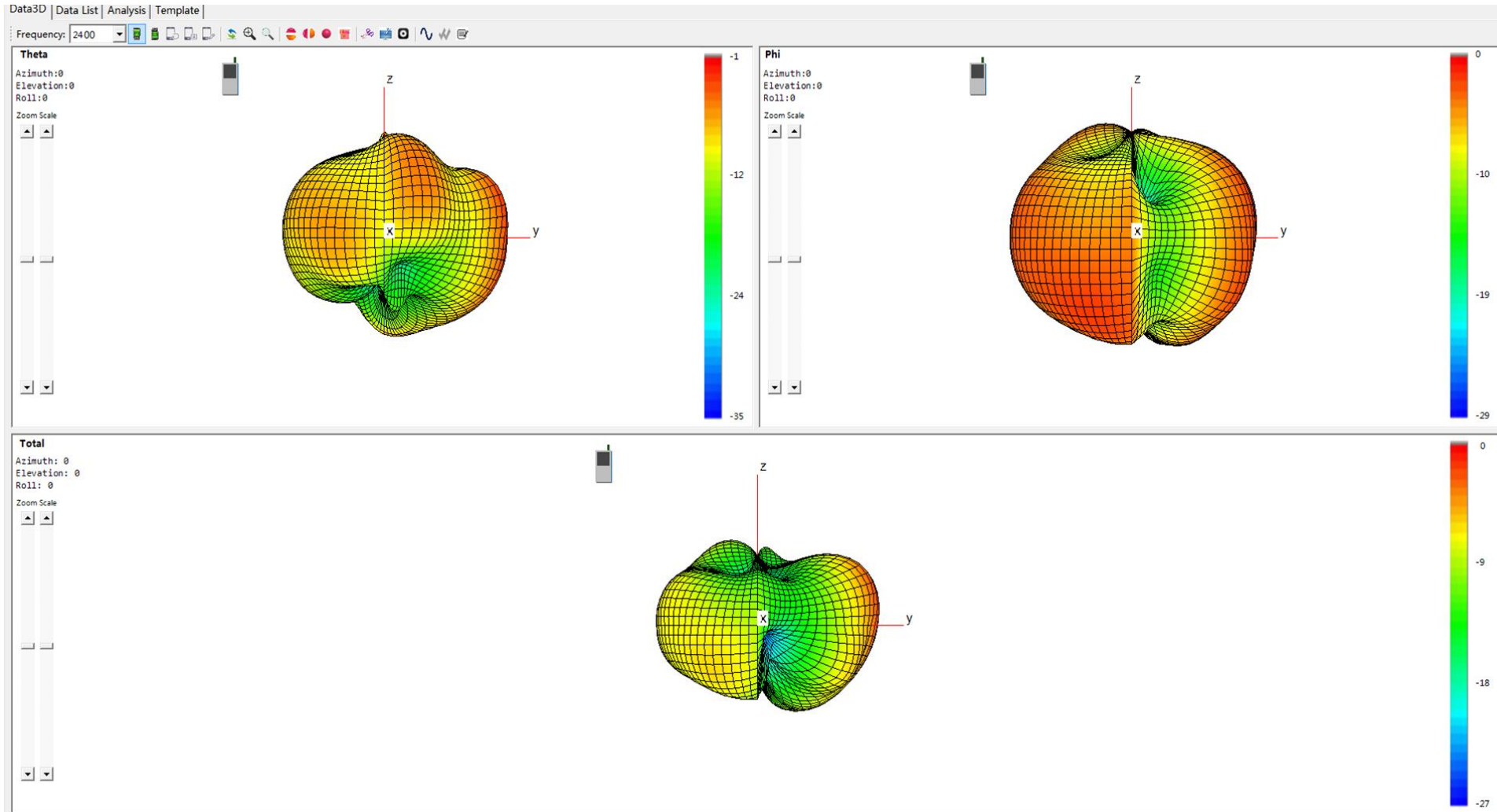
Bluetooth Antenna Performance — S11



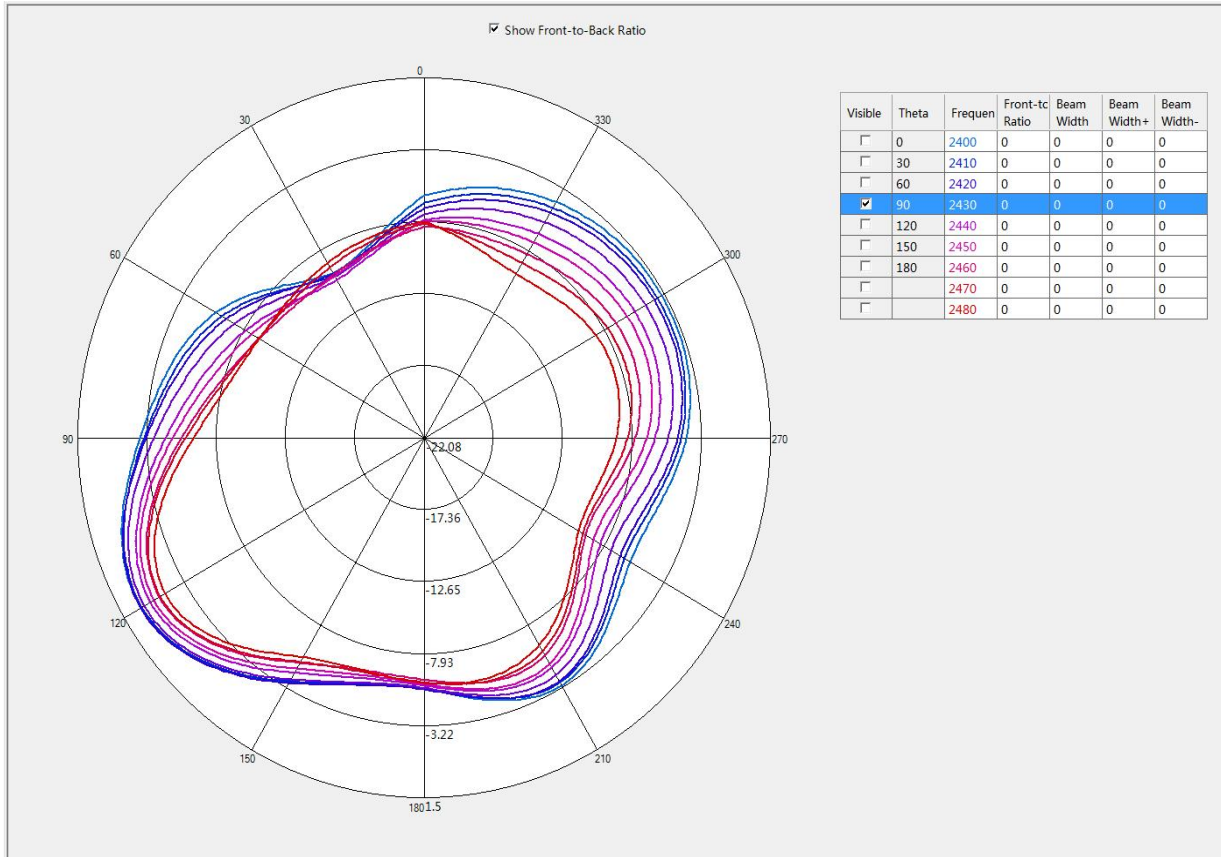
Bluetooth Antenna Performance — Efficiency and Gain

Frequency (MHz)	Efficiency (%)	Efficiency(dB)	Gain (dBi)
2400	28.7%	-5.41	0.83
2410	30.3%	-5.19	1.05
2420	33.7%	-4.72	1.52
2430	34.0%	-4.68	1.53
2440	34.8%	-4.59	1.65
2450	34.9%	-4.57	1.67
2460	33.0%	-4.81	1.43
2470	31.0%	-5.08	1.13
2480	29.3%	-5.34	0.87

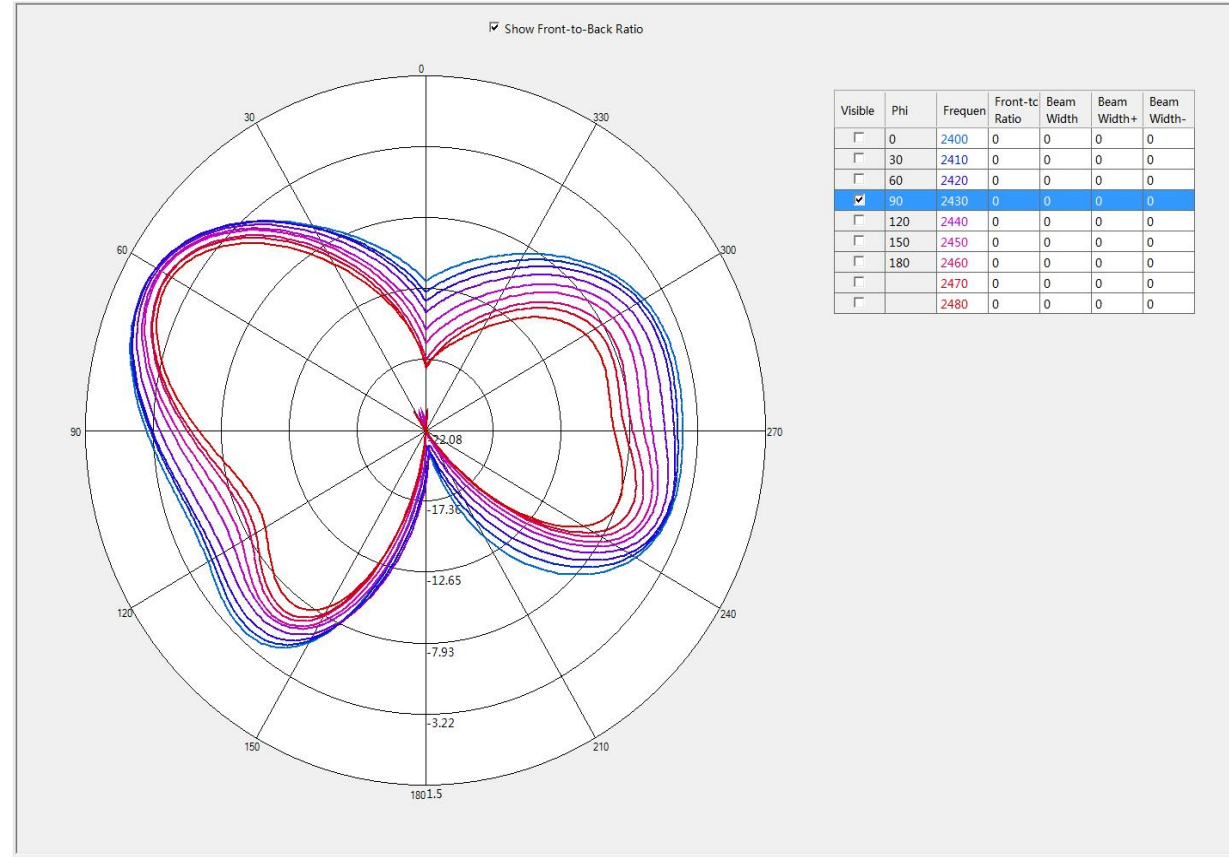
Bluetooth Antenna Performance — Antenna Pattern 1



Bluetooth Antenna Performance — Antenna Pattern 2

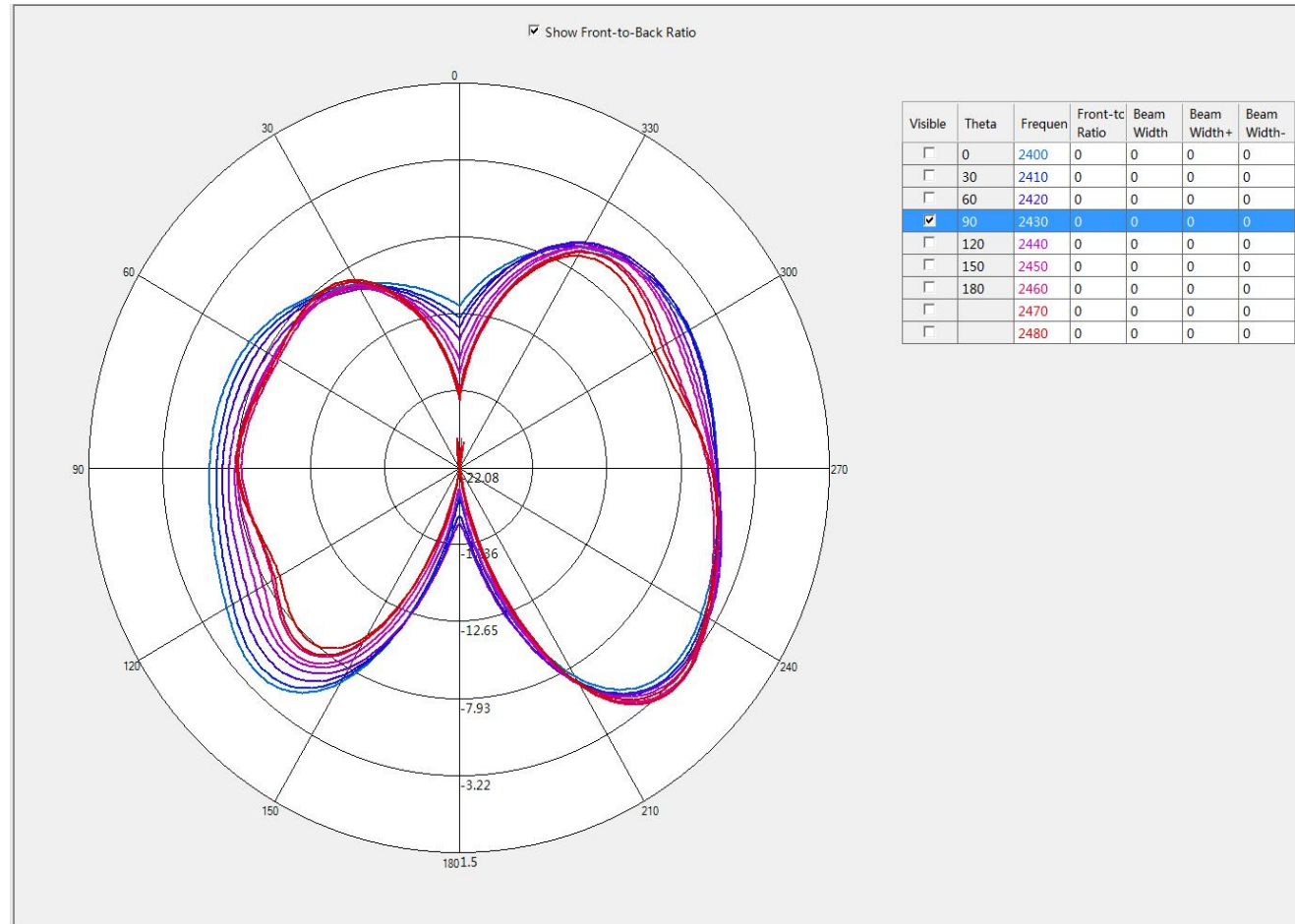


Theta=90°



Phi=90°

Bluetooth Antenna Performance — Antenna Pattern 3



Phi=0°

Thank you!



<https://www.linkedin.com/company/topflytech>



<https://www.youtube.com/channel/UCpb24abg40PMrJDeZLIbO5A>