

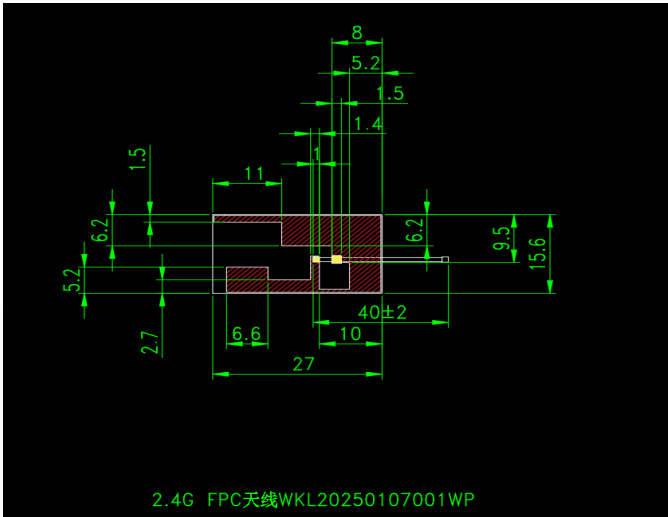
Product specification

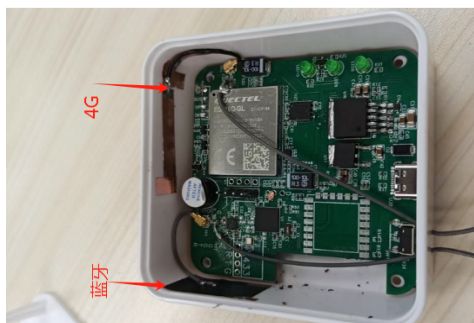
Quick Reference Date

	Antenna module on the system board	
Antenna type	FPC	
Frequency	2.4G	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-2.3 (Input pwr ?loss pwr)	
Peak EIRP(dBm)	2.32	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-2.15/(62.17%)	
Gain (dBi)	2.59(Peak Gain X Z-plane)	
Maximum Power (dBm)	1.3 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Max/Min Ratio (dB)	7.62(XY-plane)	
Max/Avg Ratio (dB)	5.74(XY-plane)	
Min/Avg Ratio (dB)	6.68(XY-plane)	
Average Gain (dB)	6.05(Avg Gain XY-plane)	

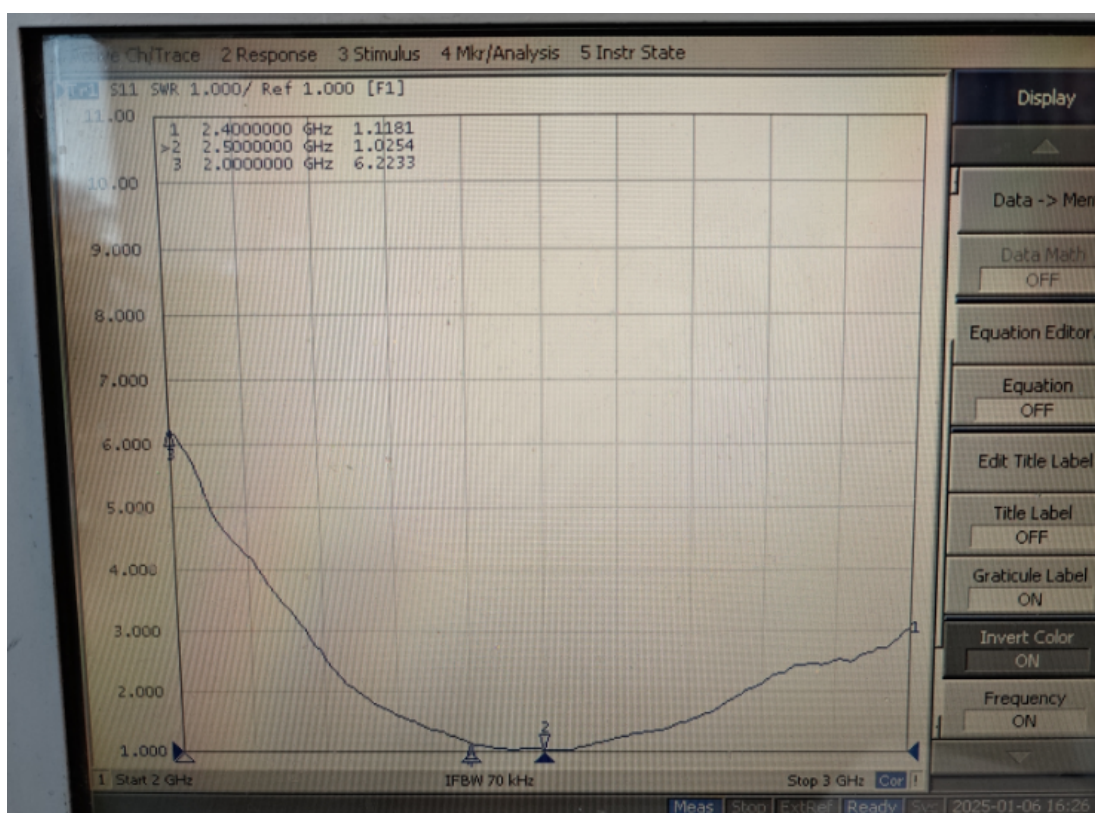
All the technical data and information contained herein are subject to change without prior notice

Antenna Layout & module on the system board

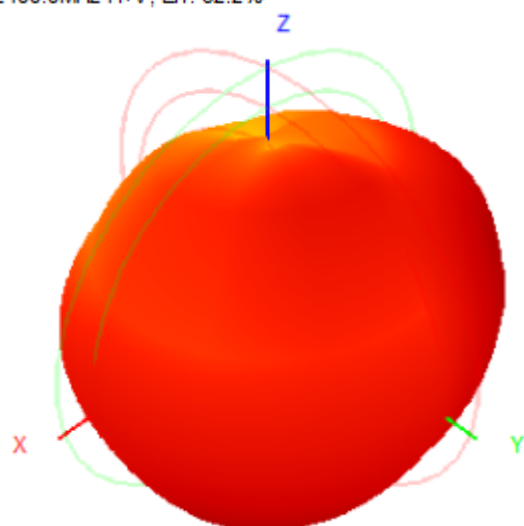




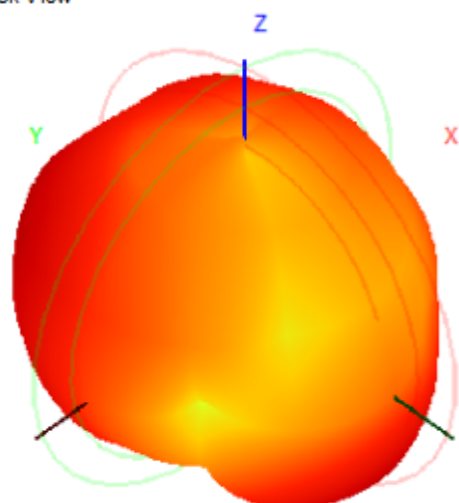
Frequency ID	Frequency (MHz)	Gain (dBi)	Efficiency (%)
1	2400.0	2.57	62.17
2	2410.0	2.59	60.99
3	2420.0	2.55	60.29
4	2430.0	2.17	56.25
5	2440.0	1.82	53.12
6	2450.0	1.81	54.40
7	2460.0	1.77	55.18
8	2470.0	1.81	55.62
9	2480.0	1.59	52.38
10	2490.0	1.58	52.17
11	2500.0	1.43	51.19



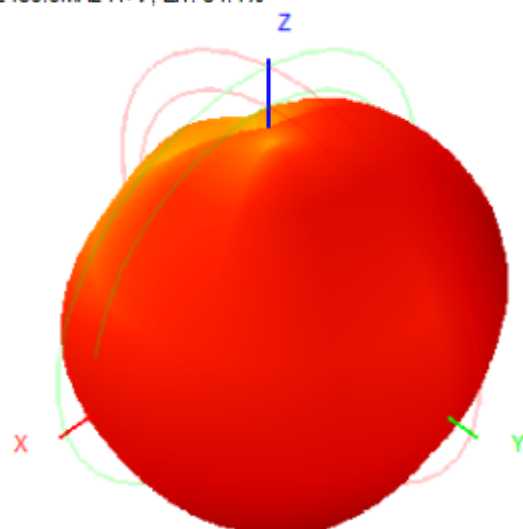
2400.0MHz H+V, Eff: 62.2%



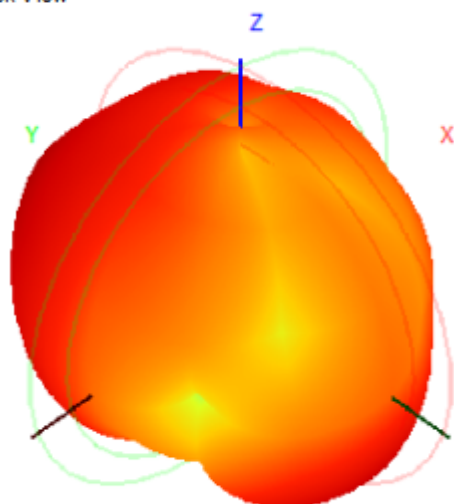
Back View



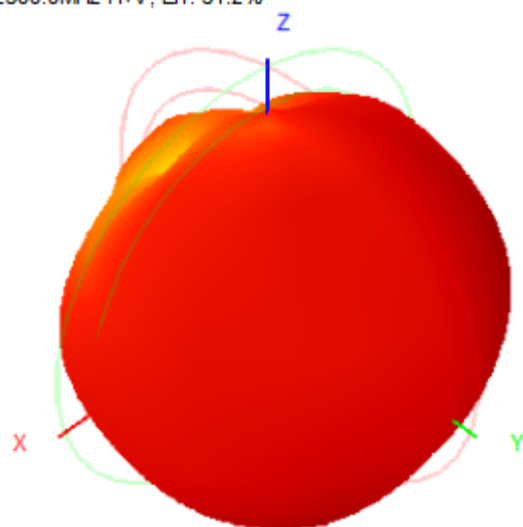
2450.0MHz H+V, Eff: 54.4%



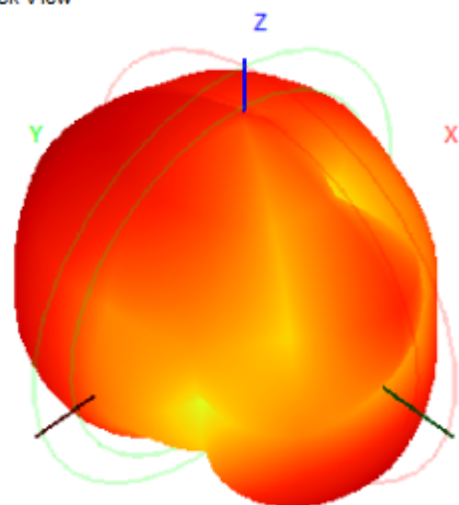
Back View



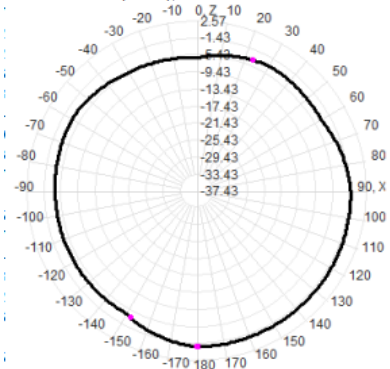
2500.0MHz H+V, Eff: 51.2%



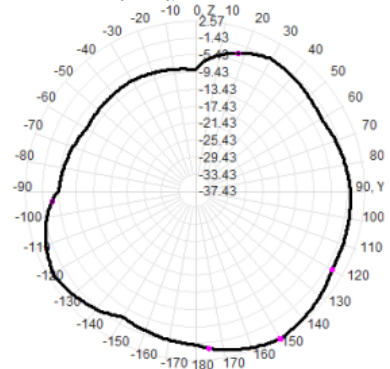
Back View



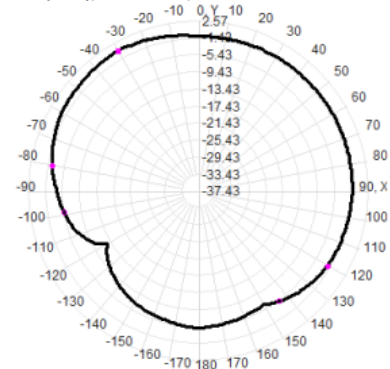
2400.0MHz Total(E1-XZ), Max=-0.95dBi



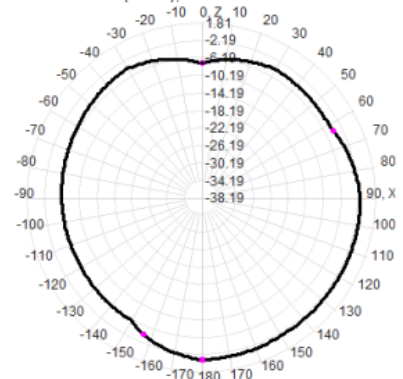
2400.0MHz Total(E2-YZ), Max= 2.57dBi



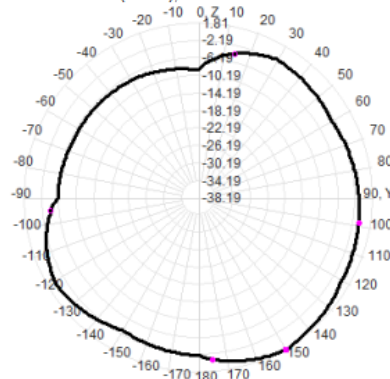
Total(H-XY), Max= 0.57dBi, CirD=13.20



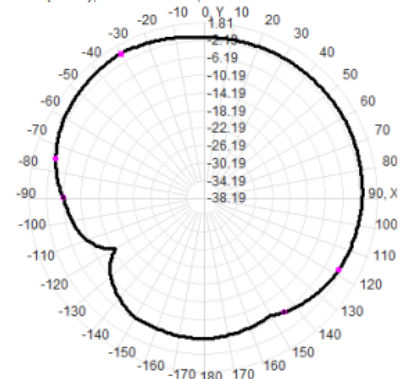
2450.0MHz Total(E1-XZ), Max=-1.30dBi



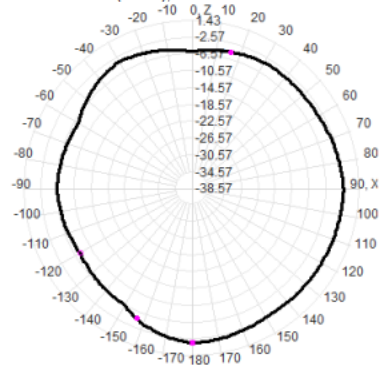
2450.0MHz Total(E2-YZ), Max= 1.81dBi



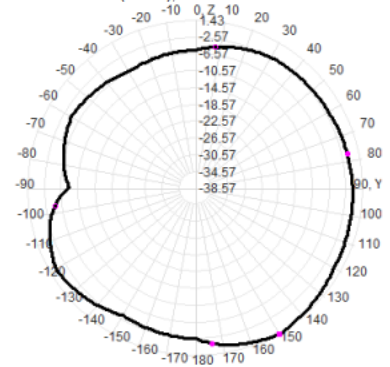
Total(H-XY), Max=-0.20dBi, CirD=14.85



2500.0MHz Total(E1-XZ), Max=-1.83dBi



2500.0MHz Total(E2-YZ), Max= 1.43dBi



Total(H-XY), Max= 0.34dBi, CirD=13.95

