

Antenna Specification

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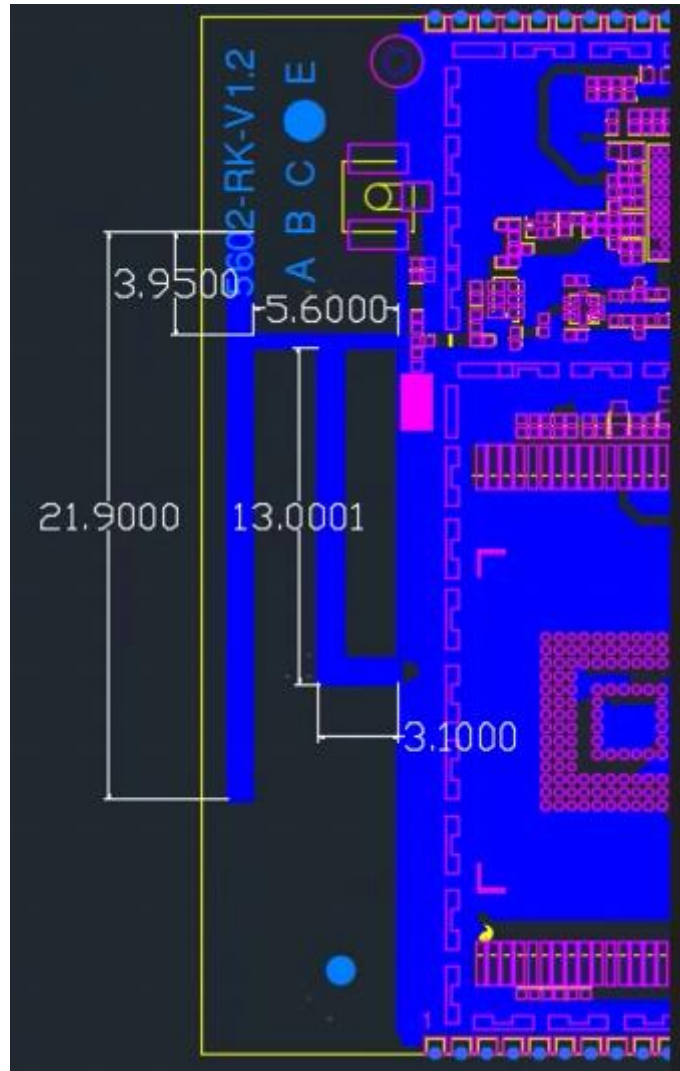
1.Basic Information

Antenna Type	PCB antenna
Make name/model name	HL7401SG
Frequency range	2400-2483.5MHz 5150-5850MHz
Antenna Gain(max)	1.5dBi@2400-2483.5MHz 3dBi@5150-5850MHz
Connector type	Direct

2 . Figure of Antenna



Fig1. Antenna Type



3.S11&Zin of Antenna

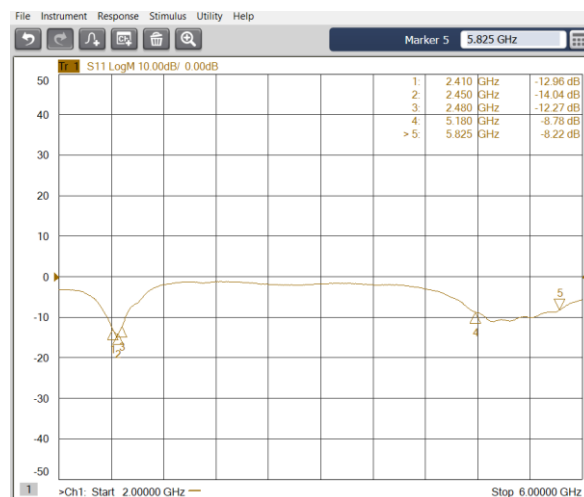


Fig2. S11

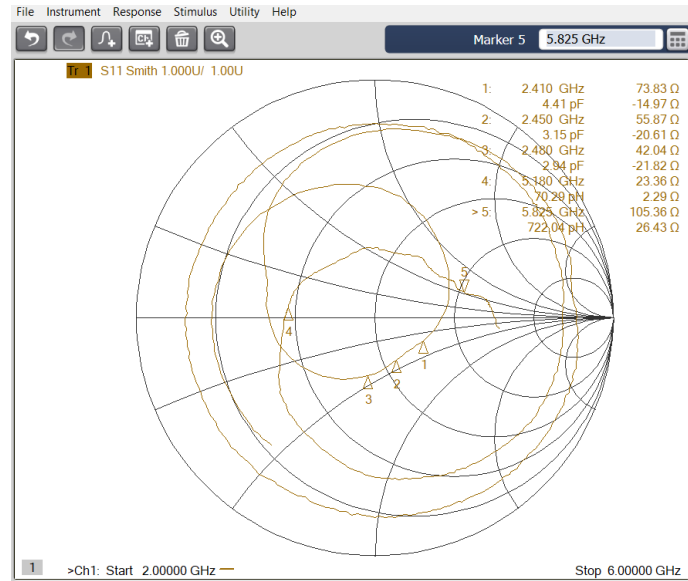


Fig3. Zin of Antenna

4. Radiation Efficiency

NO	Freq_MHz	Efficiency_dB	Efficiency_Pcent
1	2410.00	-2.74	53.20
2	2450.00	-2.72	53.44
3	2480.00	-2.58	55.15
4	5160.00	-2.00	63.03
5	5320.00	-1.73	67.19
6	5500.00	-2.59	55.05
7	5600.00	-2.66	54.15
8	5740.00	-2.53	55.84
9	5800.00	-3.39	45.84
10	5820.00	-3.18	48.08

5. Radiation Pattern

5.1 3D Directional diagram

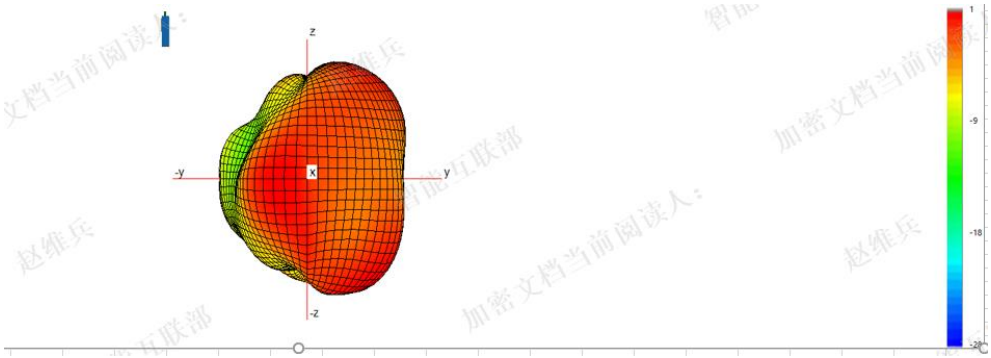


Fig4.3D Directional diagram @2450MHz

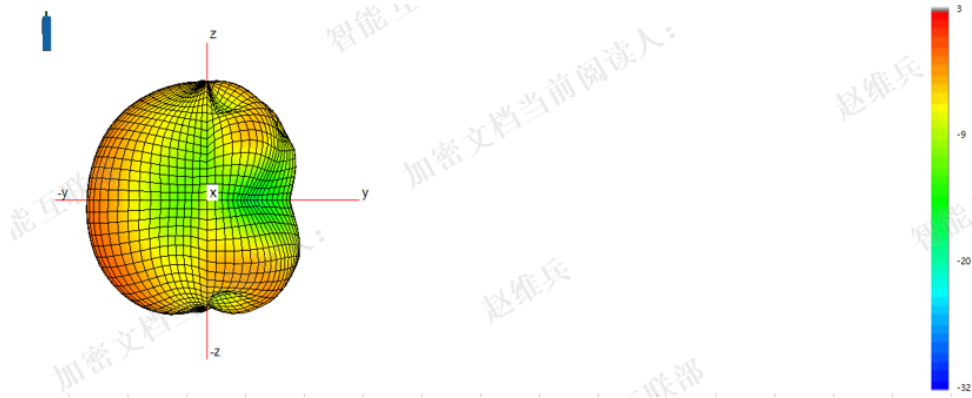


Fig5.3D Directional diagram @5800MHz

5.2 2D Directional diagram

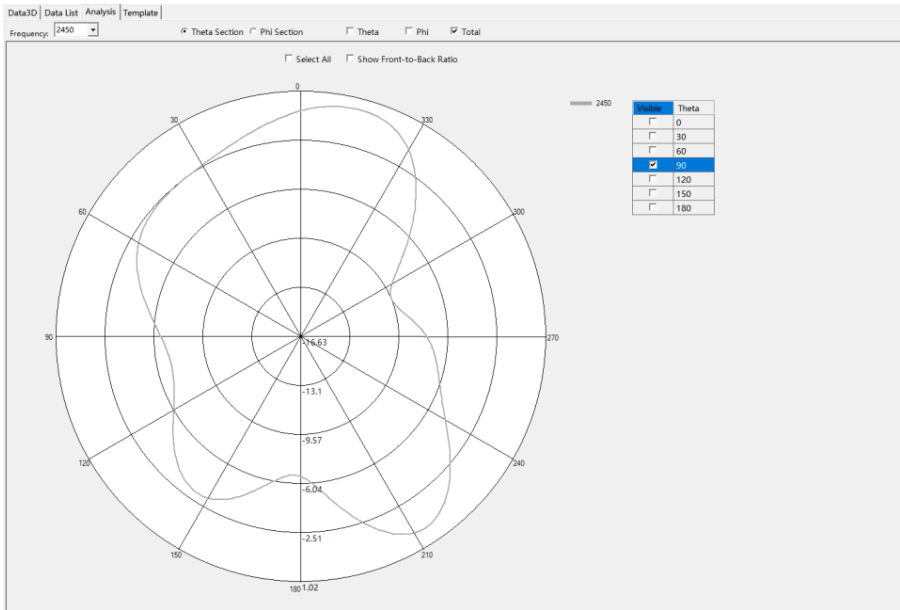


Fig6. theta=0°@2450MHz

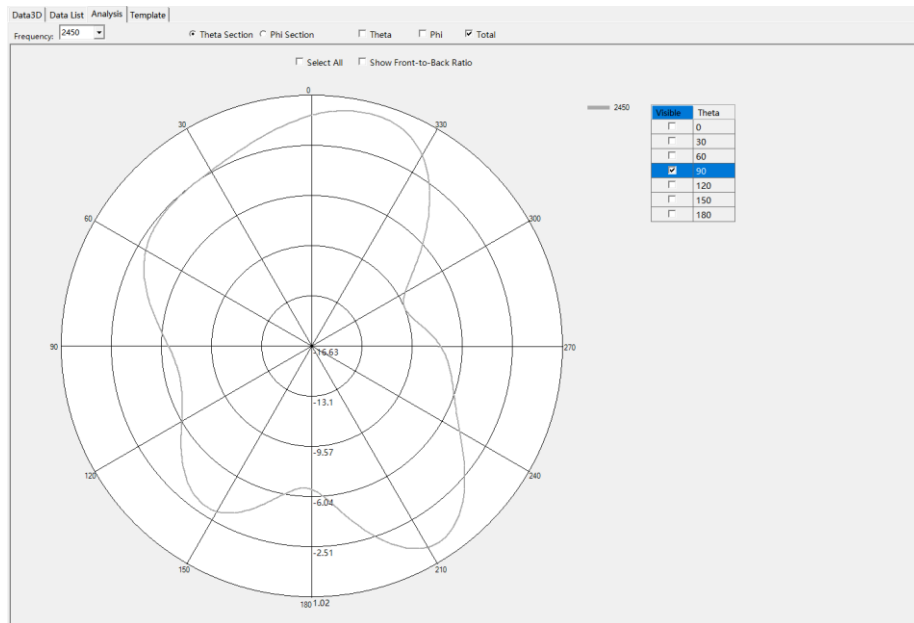


Fig7. $\phi = 0^\circ$ & 90° @ 2450 MHz

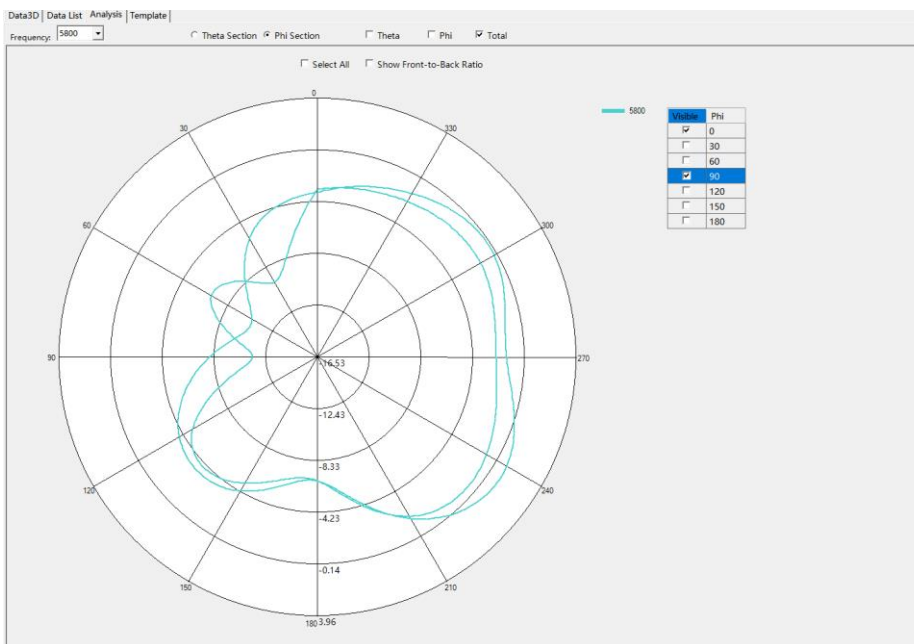


Fig8. $\theta = 0^\circ$ @ 5800 MHz

