

Antenna Specification

COMPANY: Hisense Home Appliances Group Co.,Ltd.Qingdao Branch

ADDRESS: Hisense R/D center, #399 SongLing Road, Qingdao, Shandong
266000, China

1.Basic Information

Antenna Type	PCB antenna
Make name/model name	HL5602-RK
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

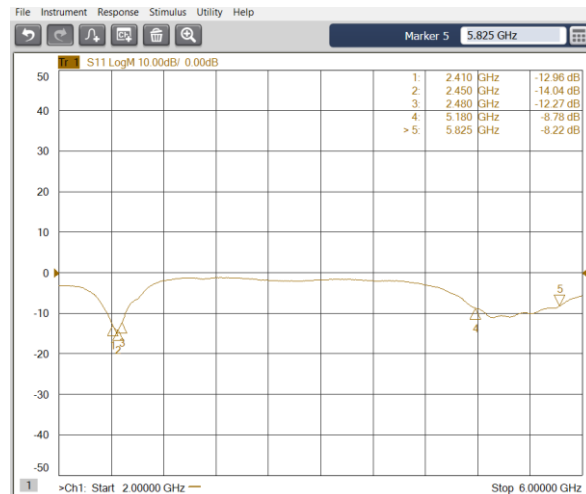


Fig2. S11

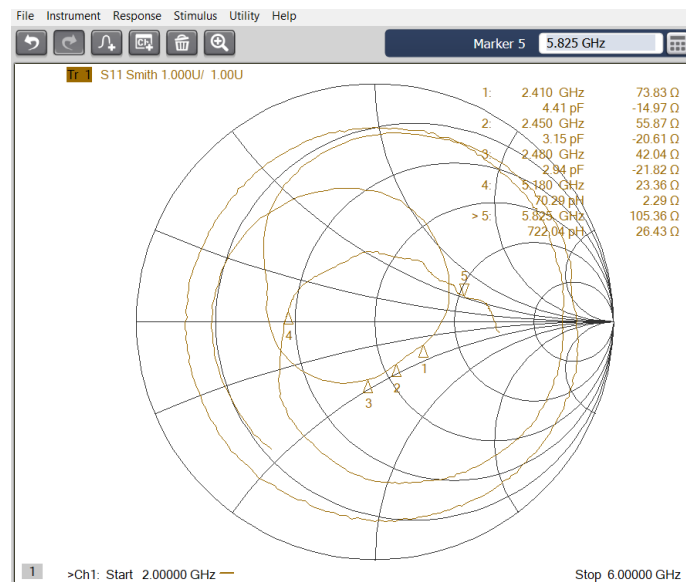


Fig3. Zin of Antenna

4. Radiation Efficiency

NO	Freq_MHz	Efficiency_dB	Efficiency_Pcent
	z	B	t
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

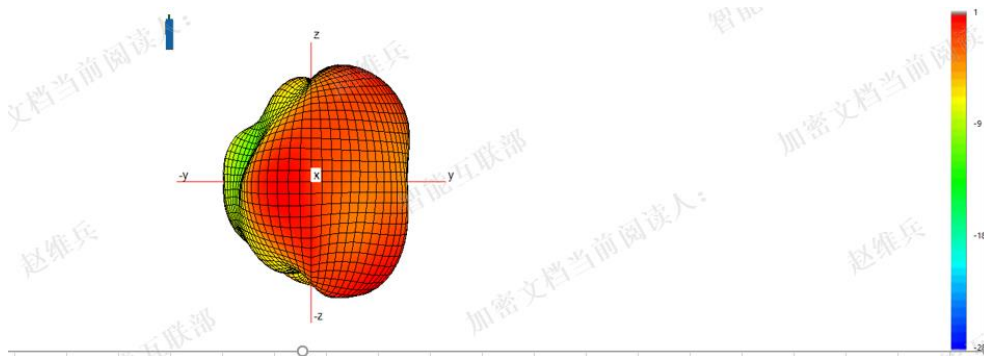


Fig4.3D Directional diagram @2450MHz

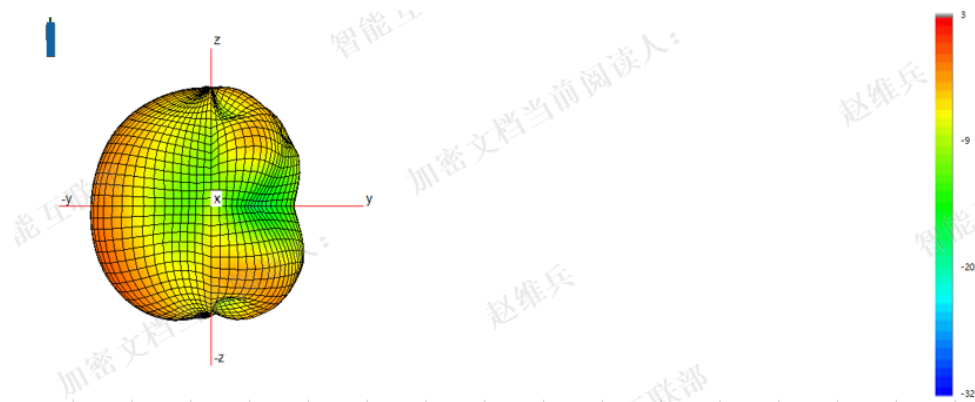


Fig5.3D Directional diagram @5800MHz

5.2 2D Directional diagram

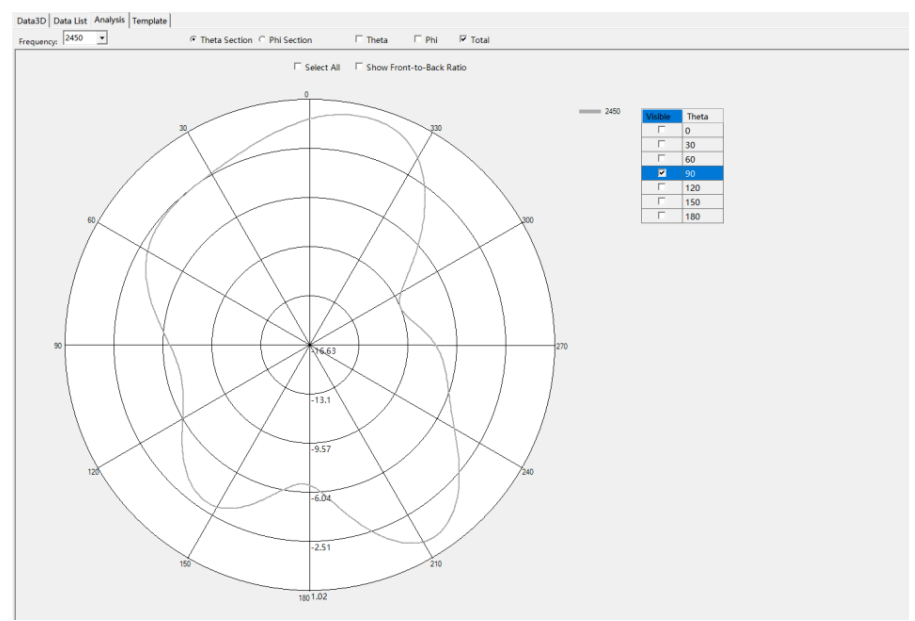


Fig6. theta=0°@2450MHz

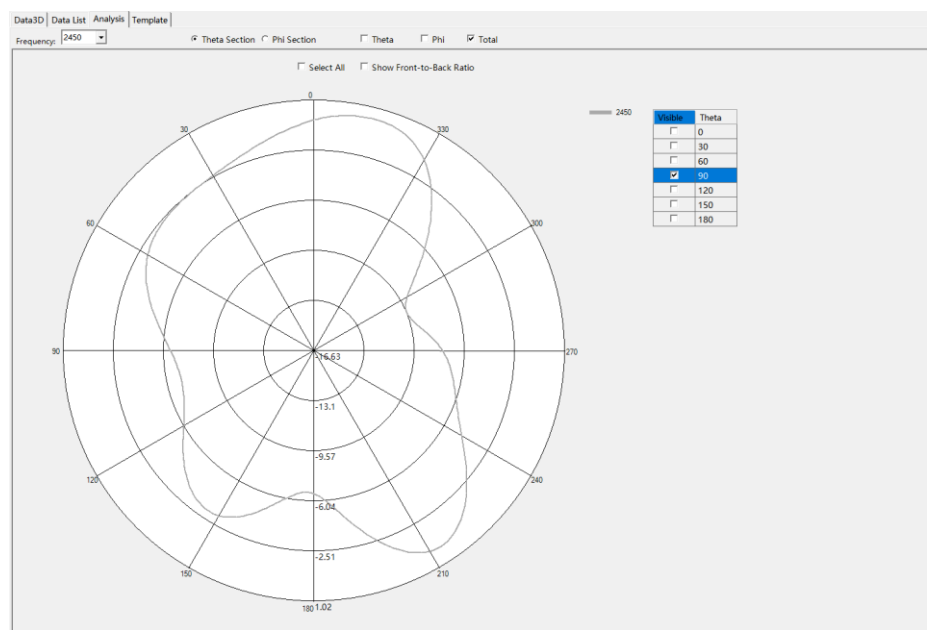


Fig7. phi=0°&90°@2450MHz

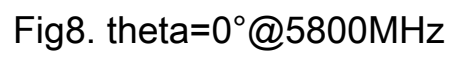


Fig8. theta=0°@5800MHz