signatures:
date:

PRODUCT SPECIFICATION

PRODUCT NAME: HF-1005

PRODUCT NUMBER: HF-1005

CUSTOMER NUMBER : (Grado GW100)

Redact: Du Jie

Proofread : Du Jie

Ratify:

Date: 2019.12.28

Cheerstar Technology Co., Ltd

TEL: 0755-21502021 FAX: 0755-29509715

Antenna specification

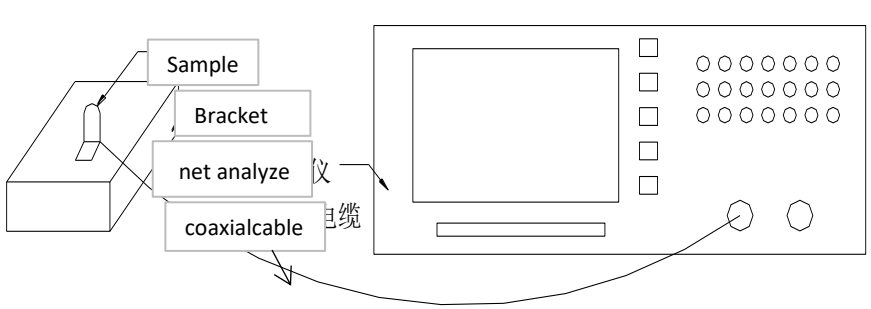
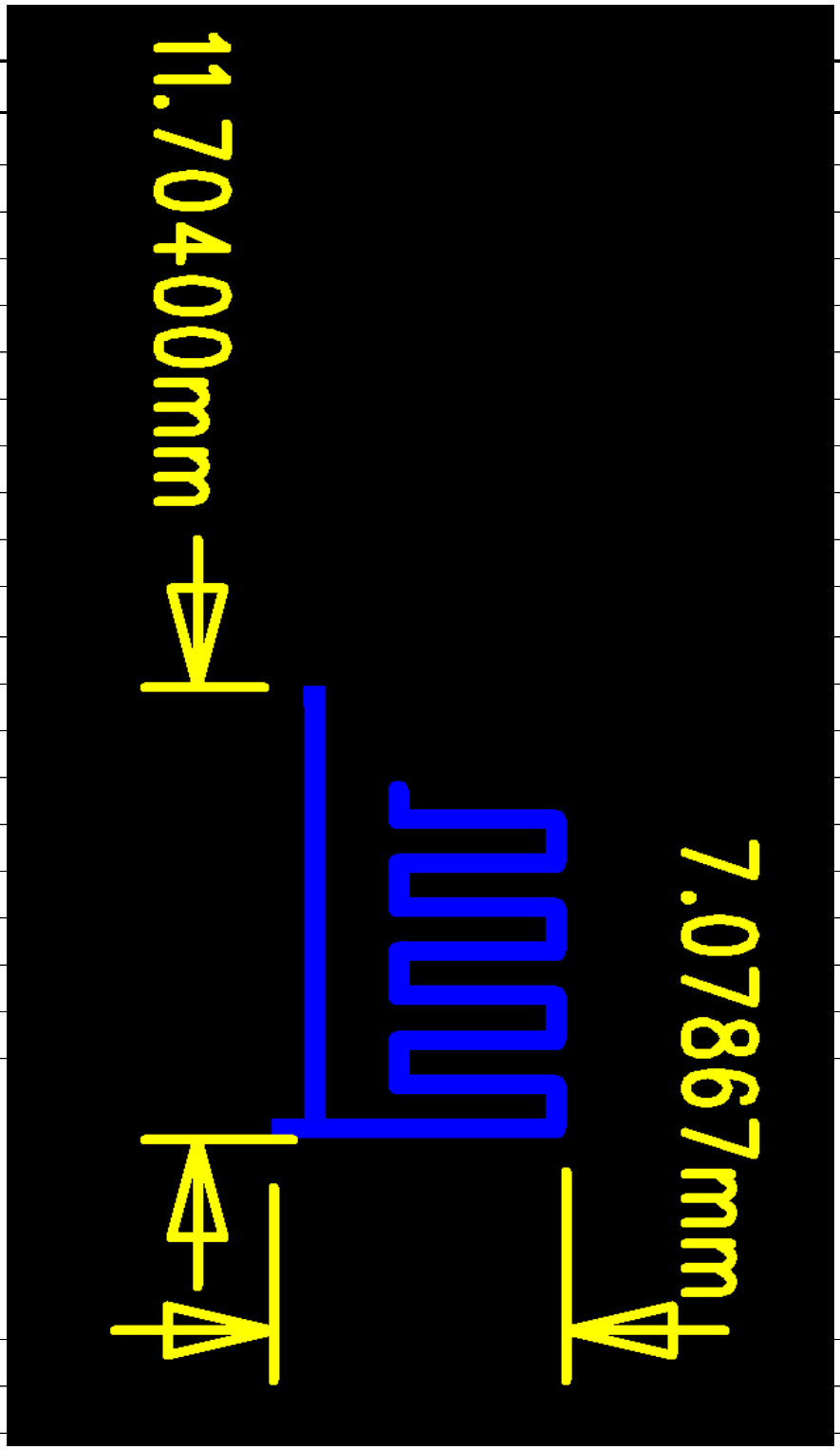
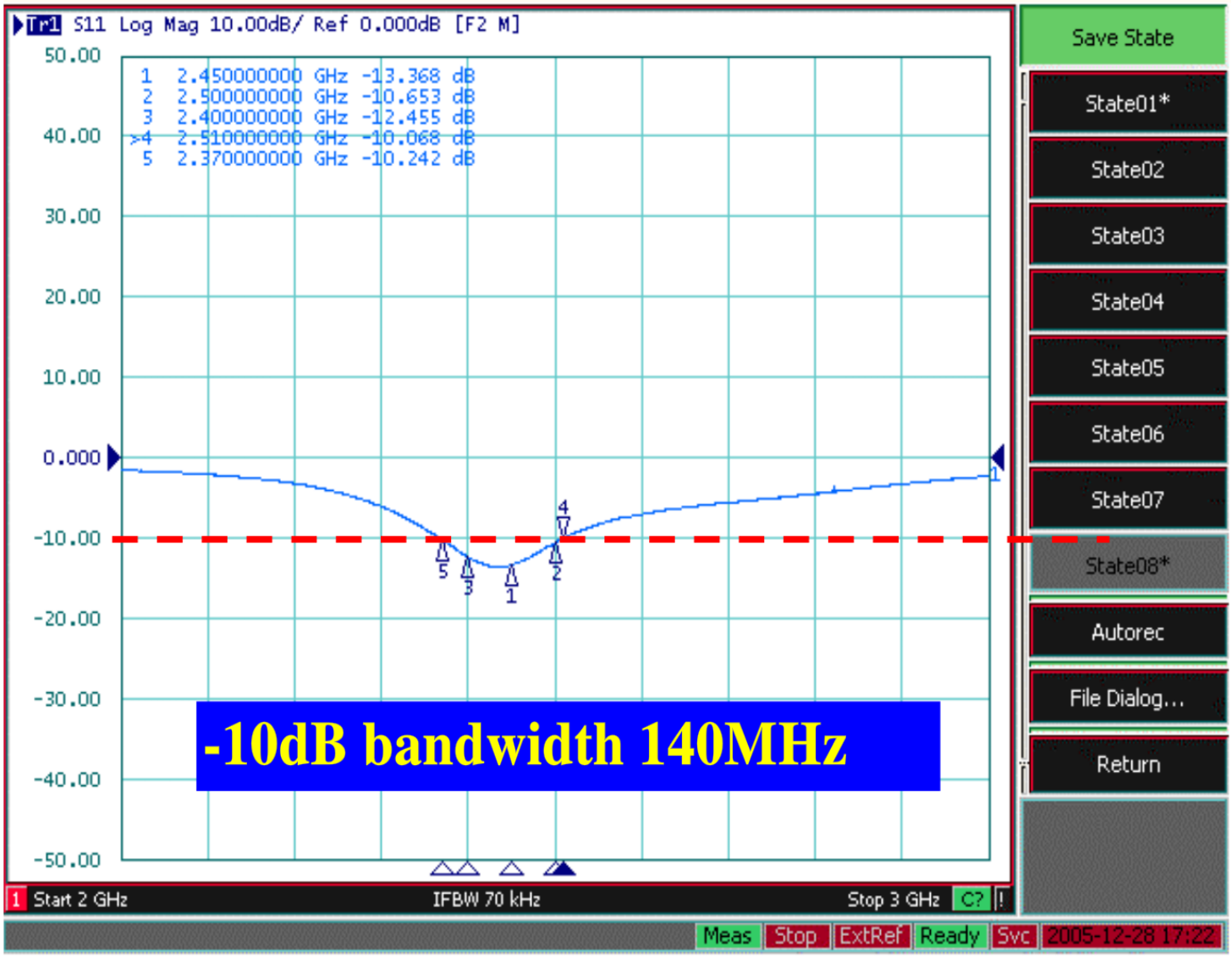
model number		HF-1005
type		bluetooth headset
Performance	1. bandwidth	2.402GHz ~2.480GHz
	2. input Impe	50Ω
	3. VSWR	When assembled with the specified prototype, it is placed naturally for measurement.
		2.402GHz ~2.480GHz 1.5
	4.GAIN	2.402GHz ~2.480GHz GAIN=3.19dBi(Typical)
	Antenna descr	PCB ANT
	Manufacturer	Cheerstar Technology Co., Ltd
	Logo	
		test method:
		㈠. Mount the antenna under test (DUT) on the designated prototype。
		㈡. Use 50Ω coaxial cable to connect the test points on the test piece and the network analyzer. Install a magnetic ring on the test cable,Reduce the effect of induced current.
		㈢.Place the prototype on a stand 20 cm in height and test the VSWR when OPEN or CLOSE.。
		㈣. Install the test circuit according to the figure below。
		
		㈤. There are no special requirements for the test environment.(there is no large metal around, and it should be carried out in normal temperature and humidity
	4.power	1W
	5.operating	-25~+65℃
	6.temp	-40~+85℃

Diagram of antenna



Antenna specification

model number	HF-1005
type	bluetooth headset

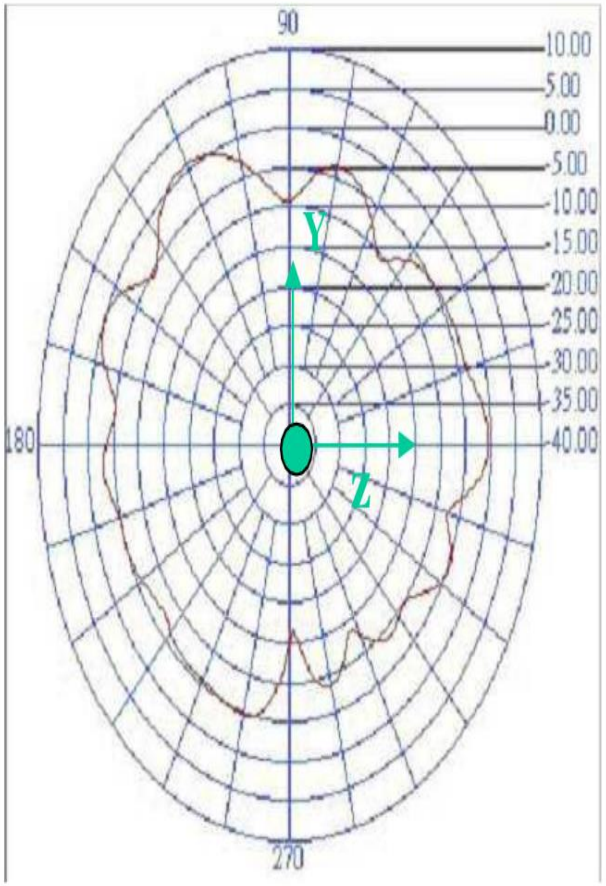
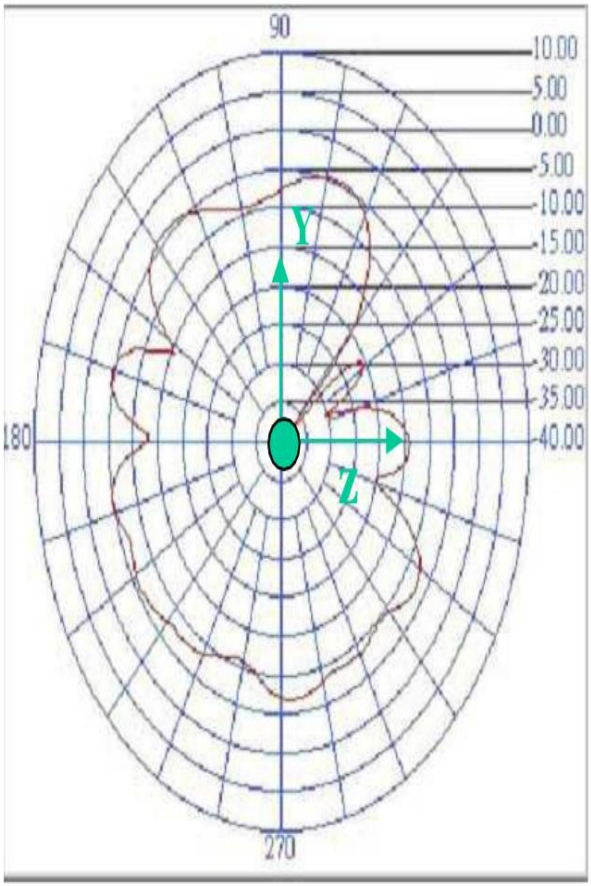


RETURN LOSS

number(Doc. No.): SPEC-001 version(Rev.): 1.0

Antenna specification

model number	HF-1005
type	bluetooth headset

	Horizontal	Vertical
Y - Z Plane Average Gain= -3.185 dBi		
	Peak Gain = 0.95dBi Average Gain = -4.26 dBi	Peak Gain= -4.05dBi Average Gain=-8.03 dBi

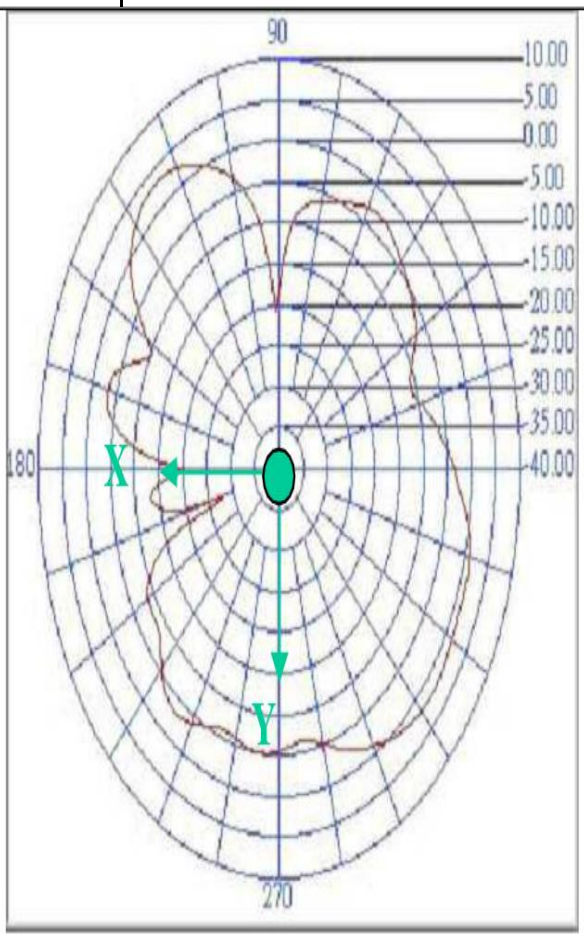
Y-Z PLANE

Antenna specification

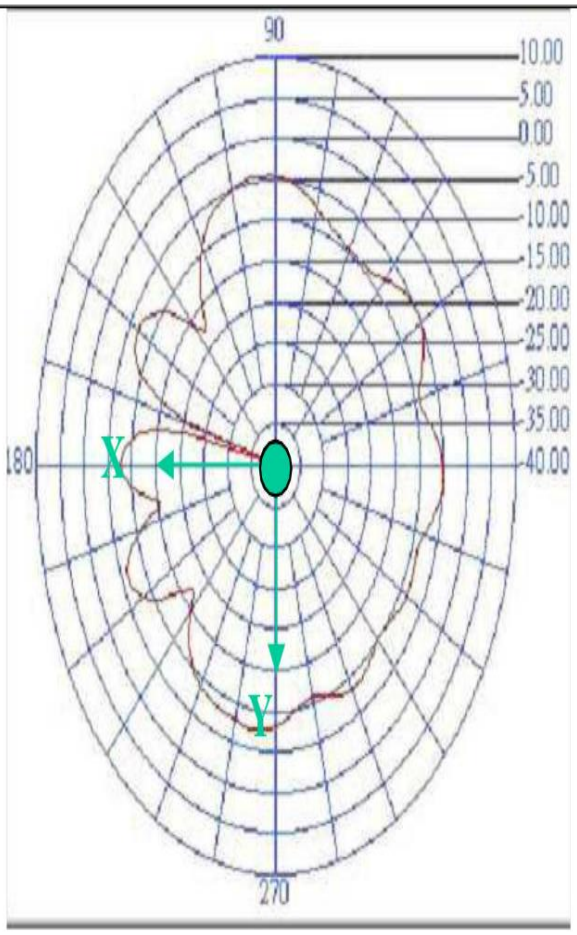
model number	HF-1005
type	bluetooth headset

X - Y Plane

Average Gain= -1.543 dBi



Peak Gain= 3.19 dBi
Average Gain= -2.65 dBi



Peak Gain= -4.48 dBi
Average Gain= -8.02 dBi

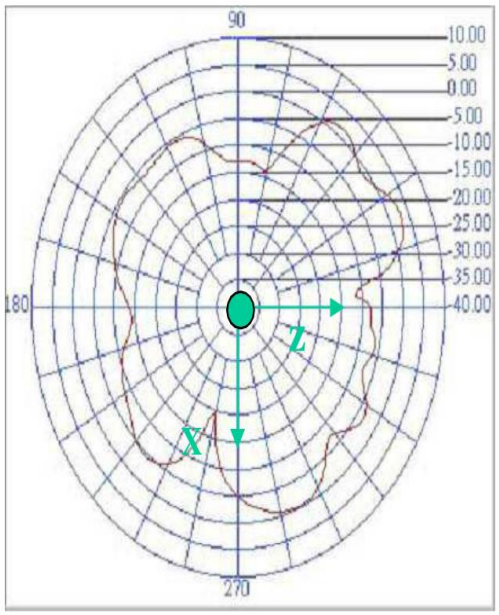
X-Y PLANE

Antenna specification

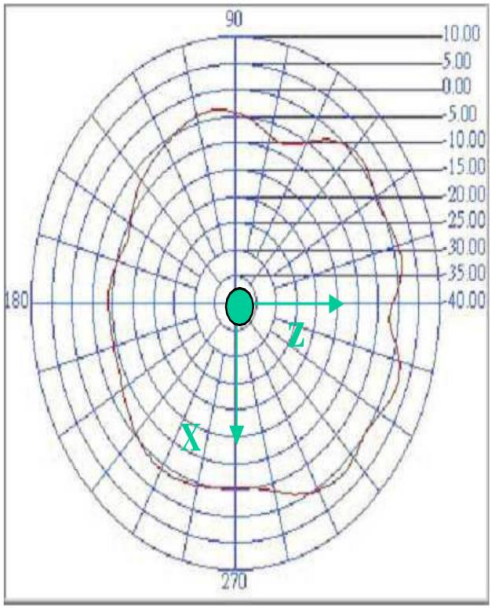
model number	HF-1005
type	bluetooth headset

X - Z Plane

Average Gain= -0.99 dBi



Peak Gain= 3.05 dBi
Average Gain= -4.10dBi



Peak Gain= 2.49 dBi
Average Gain= -2.47 dBi

X-Z PLANE