

PRODUCT SPECIFICATION

signatures:

date:

PRODUCT NAME: HF-1005

PRODUCT NUMBER: HF-1005

CUSTOMER NUMBER : (Grado GW100)

Redact: Du Jie

Proofread : Du Jie

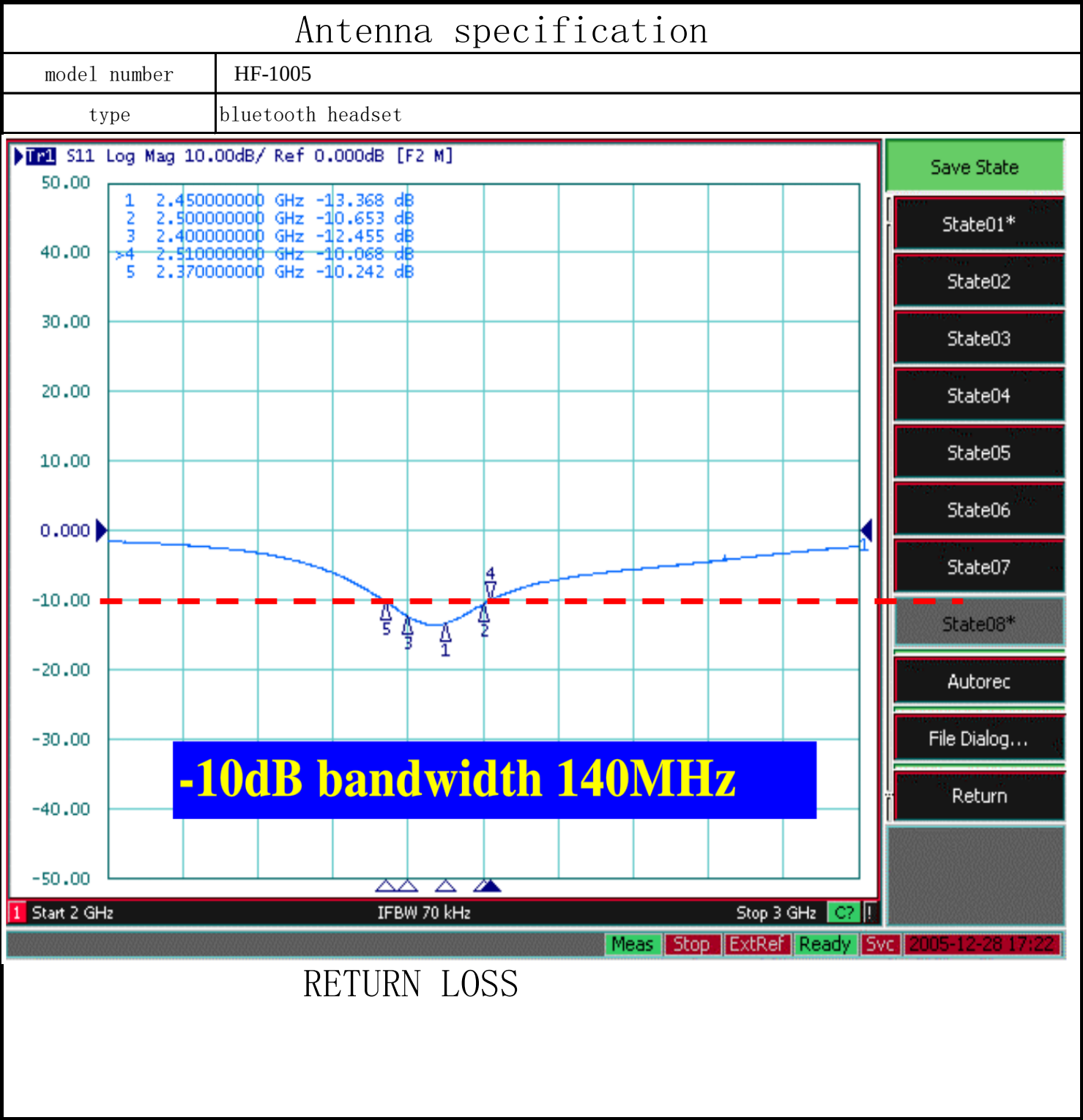
Ratify: _____

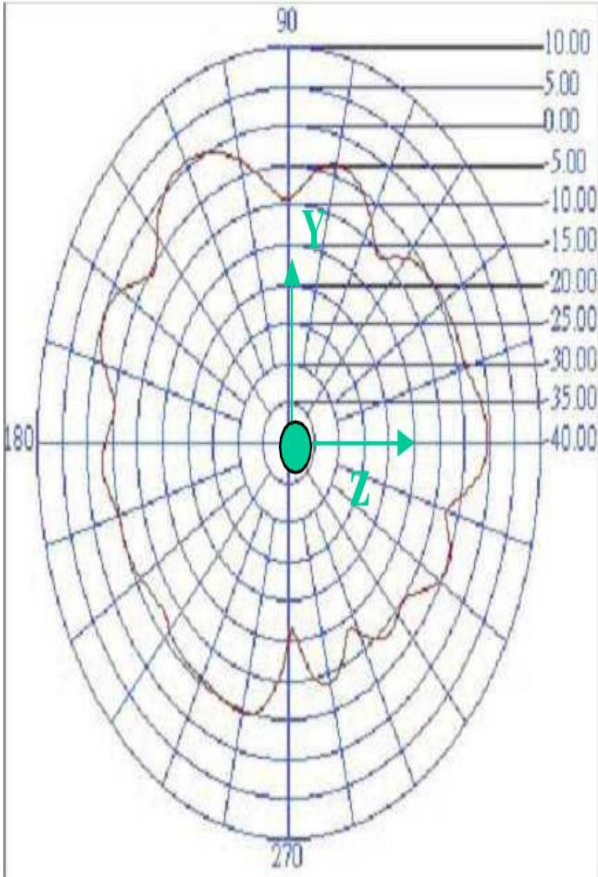
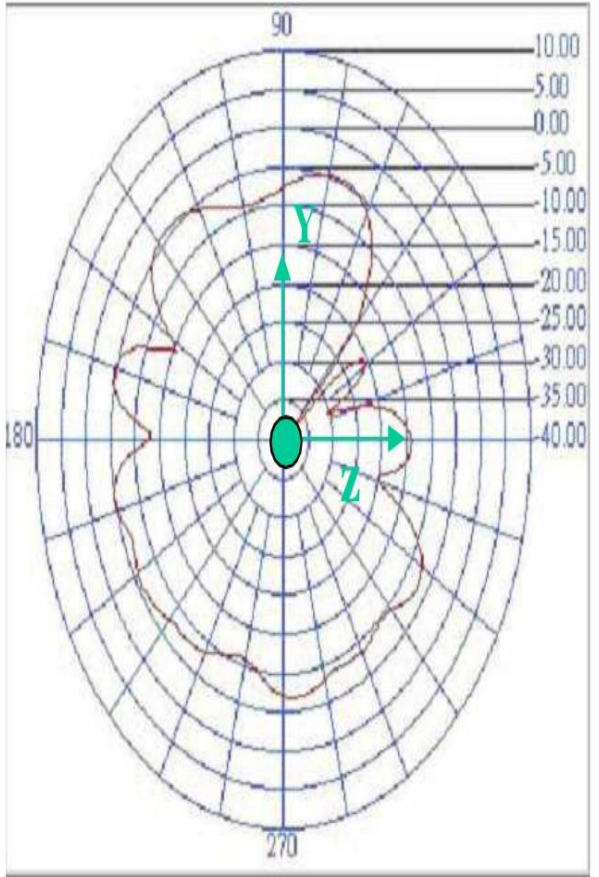
Date: 2019.12.28

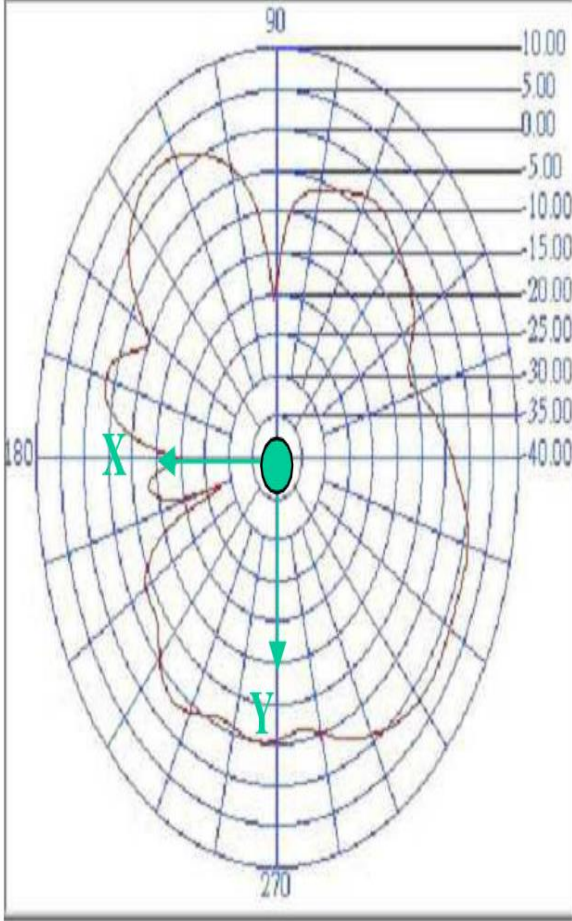
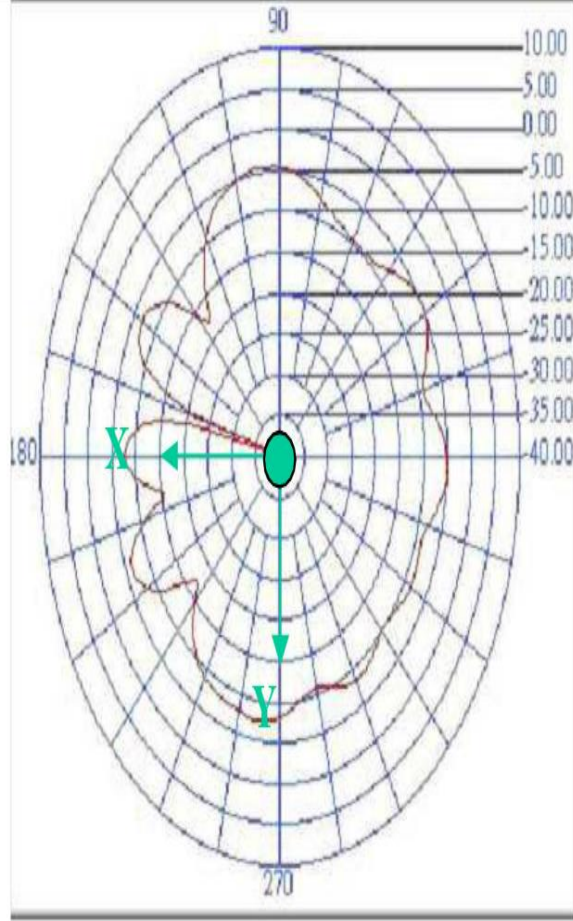
Cheerstar Technology Co., Ltd

TEL: 0755-21502021 FAX: 0755-29509715

Antenna specification		
model number		HF-1005
type		bluetooth headset
P e r f o r m a n c e	1. bandwidth	2.402GHz ~2.480GHz
	2. input Impedance	50 Ω
	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 description	PCB ANT
	Manufacturer	Cheerstar Technology Co., Ltd
	Logo	
		test method:
		(一). Mount the antenna under test (DUT) on the designated prototype.
		(二). Use 50 Ω 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.
		(三). Place the prototype on a stand 20 cm in height and test the VSWR when OPEN or CLOSE.。
		(四). Install the test circuit according to the figure below.
		(五). 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℃



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		

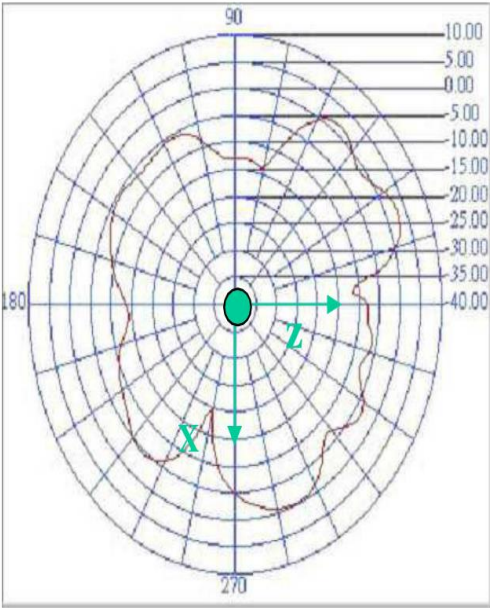
Antenna specification	
model number	HF-1005
type	bluetooth headset
X - Y Plane Average Gain= -1.543 dBi	
	
X-Y PLANE	

Antenna specification

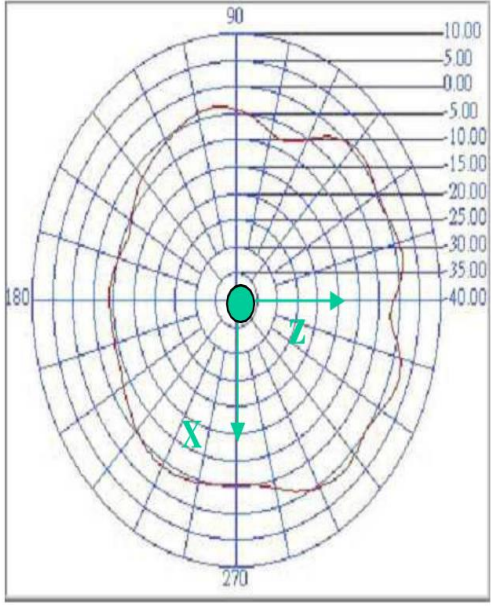
model number	HF-1005
type	bluetooth headset

**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