

供方 LOGO 和名称:



东莞市仁丰电子科技有限公司

Dongguan RF Electronic Technology Co., Ltd

公司地址: 东莞市塘厦镇清湖头三坑工业区1号 电话: 0769-38940168 传真: 0769-39010966 网址: <http://rflink.net.cn>

规格 承 认 书

SPECIFICATION FOR APPROVAL

客户名称 (CUSTOMER)	广东九联科技股份有限公司
客户型号 (MODEL NO)	(由九联填写)
客户料号 (PART NO)	(由九联填写)
供方型号 (MODEL NO)	(由供方填写)
供方料号 (PART NO)	U00T01S076N04823 (由供方填写)
最小包装量 (MPQ)	20 (由供方填写)
品牌 (BRAND)	Rf link (由供方填写)
送样日期 (DATE)	2023/12/22 (由供方填写)
样品数量 (QUANTITY)	30 (由供方填写)

供方确认			客户确认		
APPROVED SIGNATURES			APPROVED SIGNATURES		
承办 PREPARED BY	审核 CHECKED BY	核准 APPROVED BY	检测 TESTED BY	审核 CHECKED BY	核准 APPROVED BY

备注：承认书一式一份；送样时由供方手工签名和加盖公司公章

地址：广东省东莞市塘厦镇清湖头三坑路一号

电 话： 0769-38940168 传真: 0769--39010966

联系人： 韦良松 手机: 18877417721

电子邮箱: SevlynWei@rflink.net.cn

公司网址:www.rflink.net.cn

承 认 书

SPECIFICATION FOR APPROVAL

客 户 名 称

CUSTOMER NAME: 九联

产 品 名 称

PRODUCT NAME: 5G 外露L=340MM

客 户 料 号

CUSTOMER P/N:

仁 丰 料 号

Ren Feng P/N: U00T01S076N04823 REV: B

内部结构

Internal structure: PCB

	MANUFACTURER SIGNATURE	CUSTOMER SIGNATURE
CHECKED BY:	杨振	
AUDITOR BY:	肖玉鹏	
APPROVED BY:	姚定军	
DATE:	2023-12-08	

履历表

[illegible]



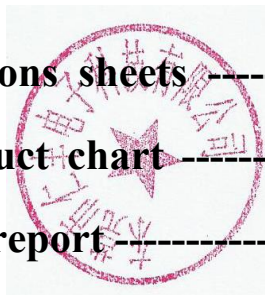
东莞市仁丰电子科技有限公司

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公司地址：东莞市塘厦镇清湖头三坑工业区1号 电话：0769-38940168 传真：0769-39010966 网址：<http://www.rflink.net.cn>

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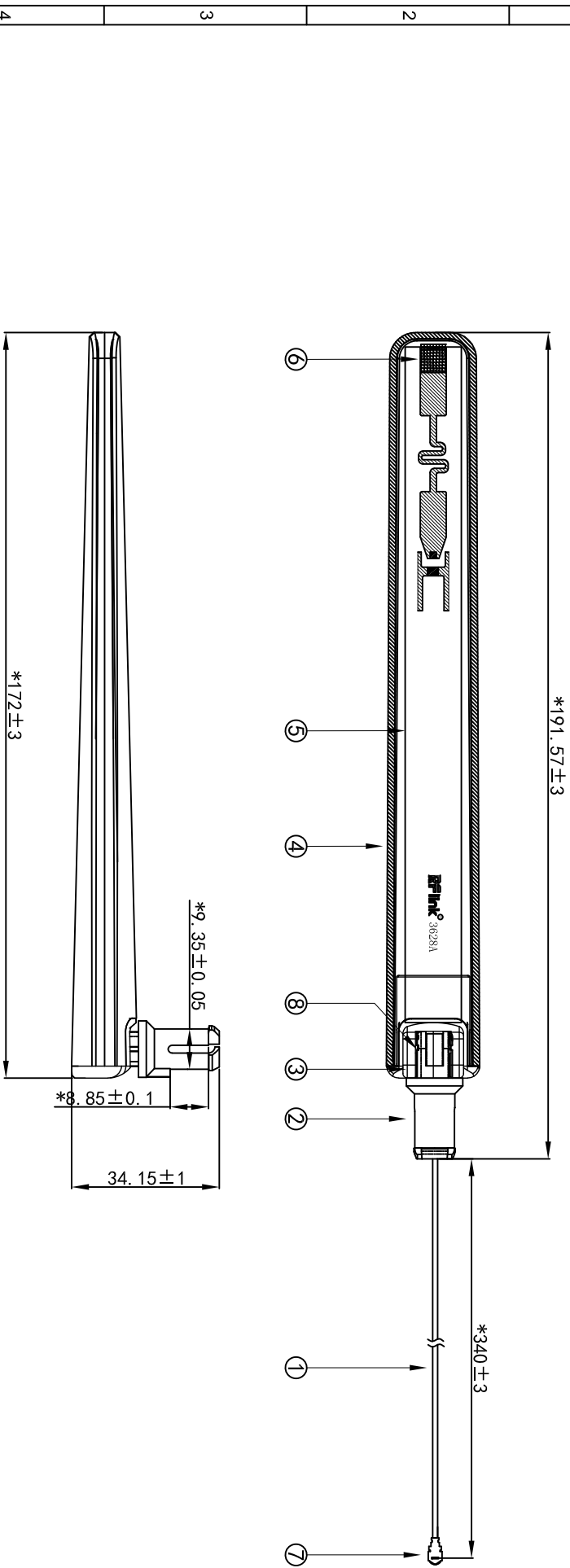
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产品主要技术参数

主要技术指标		Main technical specifications	
频率范围 (MHZ)	5150-5850	Frequency Range (MHZ)	5150-5850
中心频率 特性阻抗(Ω)	50	Impedance(Ω)	50
增益(dBi)	4.74	Gain(dBi)	4.74
反射损耗	≤ -10	Return Loss(dB)	≤ -10
输出电压 驻波比	≤ 1.92	VSWR	≤ 1.92
极化方式	垂直极化	Polarization	Linear, Vertical
方向性	全向性	Radiation	Omni-directional
连接方式	端子	Connector Type	MHF Plug
物理性能		Physical Properties	
天线本体材料	ABS	Antenna Base	ABS
工作温度	-20℃~+60℃	Operating Temp	-20℃~+60℃
保存温度	-20℃~+70℃	Storage Temp	-20℃~+70℃

F		G	
REV	DATE	DESCRIPTION	
A	2023-12-08	NEW ISSUE	
B	2024-03-12	更改外观及方案	



规格 (Specification) :

频率 (Frequency Range) :5.15~5.85GHz
回波损耗 (Return loss) : -10dB or less
驻波比 (VSWR) :1.92max

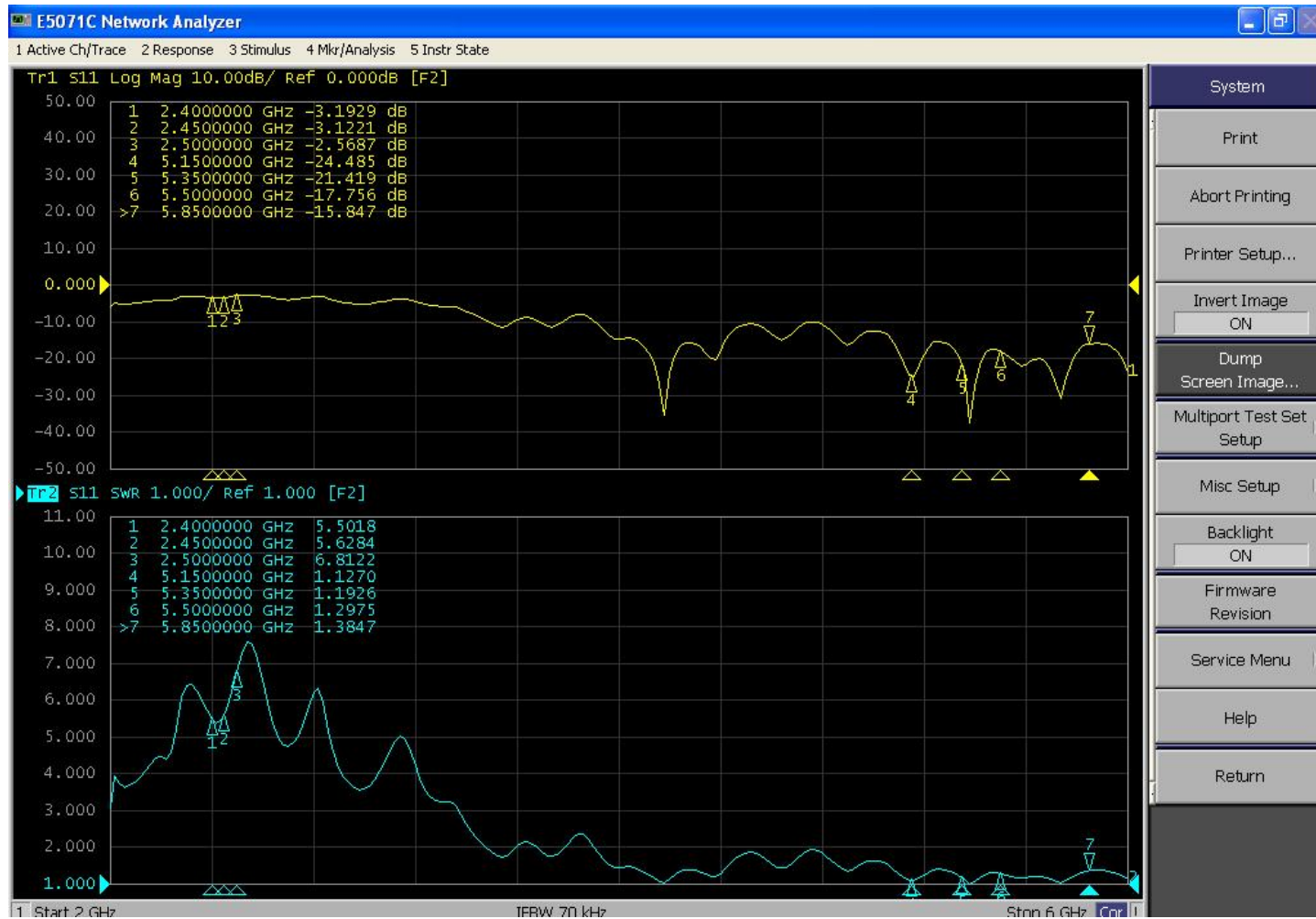
5	8	铆钉	2	POM; Black
	7	端子	1	Copper
	6	泡棉	1	EVA; Black
	5	PCB板	1	FR-4
	4	杆套	1	ABS; Black
	3	上固定座	1	ABS; Black
	2	下固定座	1	PC+PBT; Black
6	1	线材	1	φ1.37 Gray
	NO.	DESCRIPTION	Q'TY	REMARK
带公差尺寸为检验尺寸				
产品符合环保RoHS2.0之要求				

尺寸范围 (mm)	公差 (mm)	APPROVED	
0<L≤6	±0.10	CHECKED	
6<L≤30	±0.10		
30<L≤90	±0.15		
90<L≤180	±0.20		
180<L≤315	±0.25	DRAWING	
315<L≤800	±0.35		
角度	±0.5°		
COSTOMER:			
PART NO :			
PARTNAME : RF Antenna Assembly			
R.F P/NO : U00T01S076N04823			
REV	UNIT	SCALE	SHEET
B	mm	1 : 1	A4
		10F1	

东莞市仁丰电子科技有限公司
RenFeng Electronic
technology Co., LTD.

单频5G天线

ANT6-5G回波损耗与电压驻波比VSWR



ANT6-5G

AX6000 Project

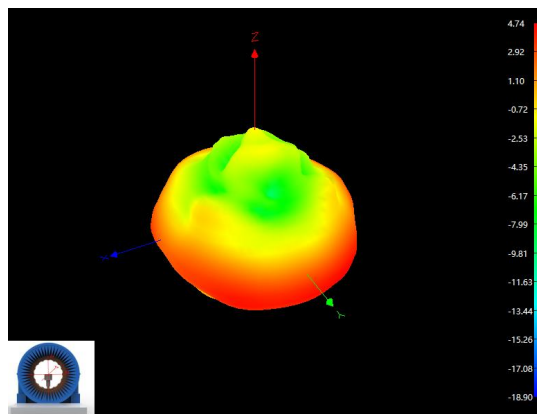
2D/3D Pattern

H面: XY (水平面)

E1面: XZ

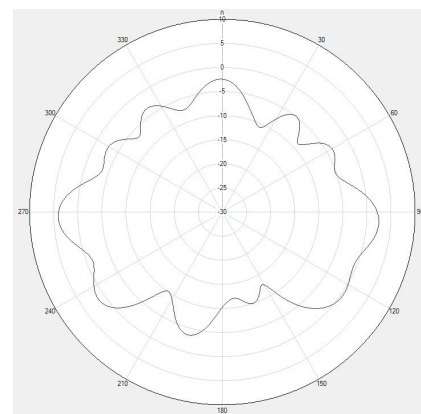
E2面: YZ

远场方向图

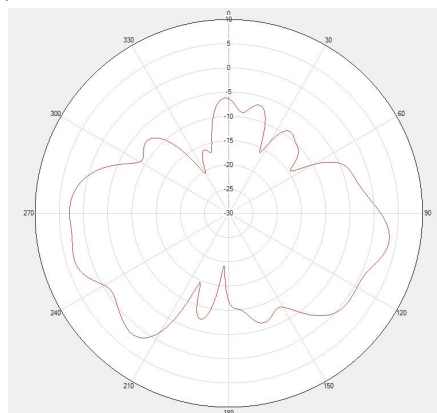


5G-ANT6
5150MHz

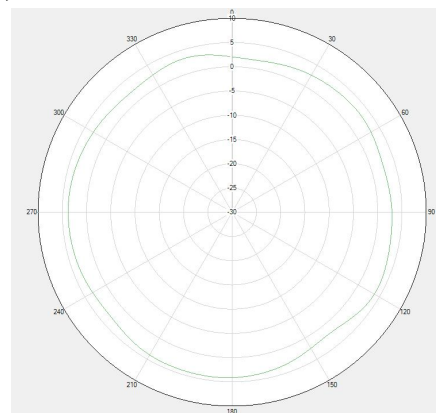
E1面



E2面



H面



AX6000 Project

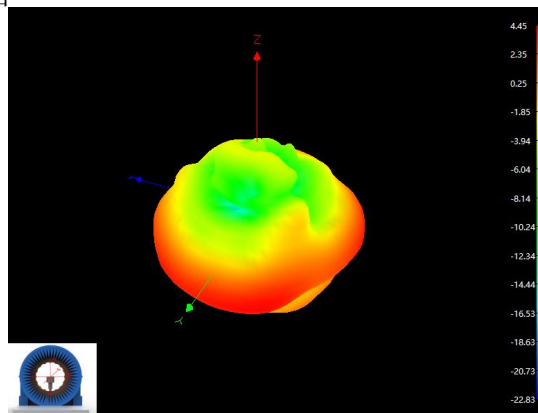
2D/3D Pattern

H面: XY (水平面)

E1面: XZ

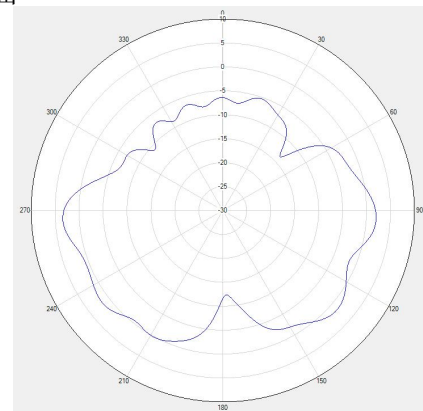
E2面: YZ

远场方向图

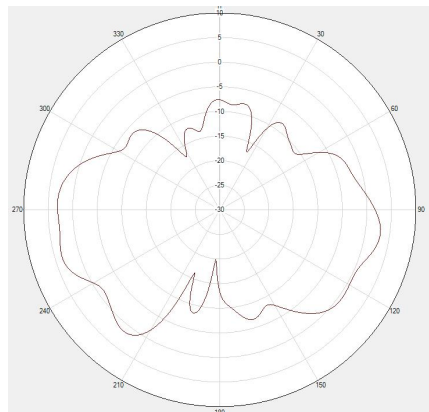


5G-ANT6
5500MHz

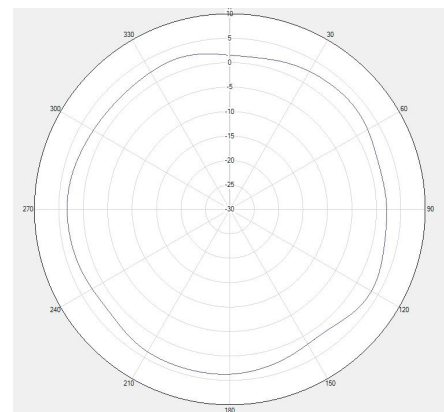
E1面



E2面



H面



AX6000 Project

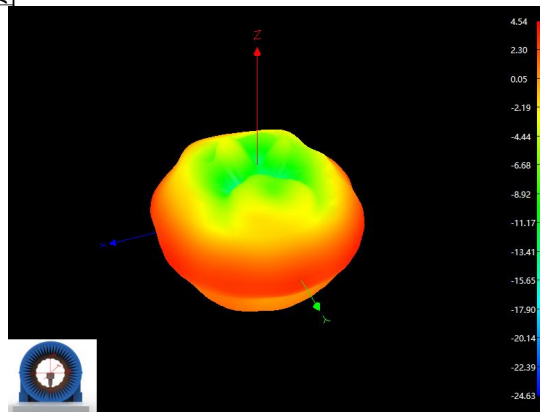
2D/3D Pattern

H面: XY (水平面)

E1面: XZ

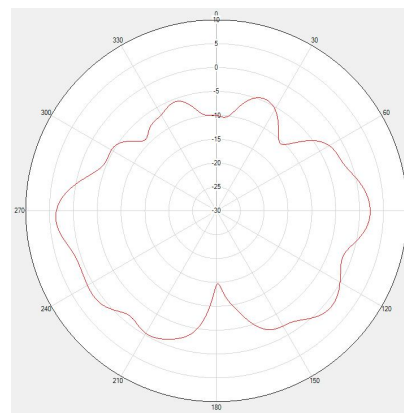
E2面: YZ

远场方向图

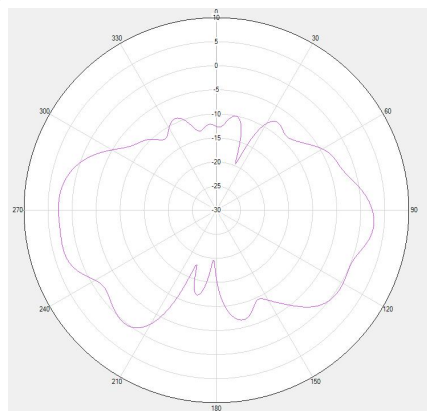


5G-ANT6
5850MHz

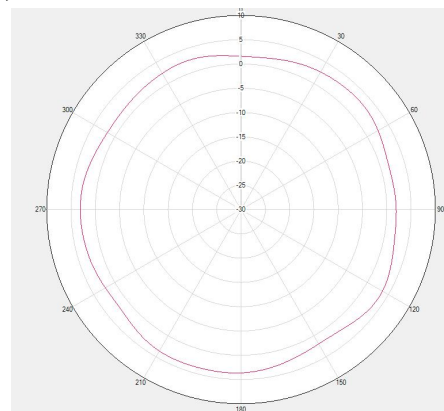
E1面



E2面



H面



AX6000 Project

5G Peak Gain&Efficiency



	5G_ANT6	
Freq (MHz)	Effi (%)	Gain (dBi)
5150	72.72	4.74
5200	68.28	4.29
5250	73.81	4.33
5300	69.48	4.28
5350	72.58	4.34
5400	74.33	4.45
5450	75.21	4.21
5500	73.23	4.45
5550	71.23	4.25
5600	66.98	4.23
5650	72.39	4.29
5700	67.70	4.35
5750	74.83	4.48
5800	71.09	4.28
5850	72.68	4.54

OTA测试结果

2.4G							
Mode	Test Case	Channel	Date Rate (Mbps)	ANT1 Test Results (dBm)	ANT2 Test Results (dBm)	ANT3 Test Results (dBm)	ANT4 Test Results (dBm)
IEEE 802.11g	TRP (Total)	1	6	22.41	22.57	22.81	21.47
		6		22.50	21.37	21.78	21.38
		11		21.46	21.31	21.54	21.16
	TIS (Total)	1	54	-78.06	-78.08	-78.32	-77.24
		6		-78.60	-78.56	-78.24	-78.11
		11		-78.39	-78.35	-78.05	-77.68

5G							
Mode	Test Case	Channel	Date Rate (Mbps)	ANT1 Test Results (dBm)	ANT2 Test Results (dBm)	ANT5 Test Results (dBm)	ANT6 Test Results (dBm)
IEEE 802.11a	TRP (Total)	36	6	21.54	22.37	21.38	21.92
		149		20.65	21.21	21.66	21.88
		161		20.31	21.15	21.80	21.74
	TIS (Total)	36	54	-76.45	-76.36	-76.85	-76.69
		149		-75.88	-75.44	-76.82	-76.21
		161		-75.15	-75.05	-76.13	-76.35

OTA测试结果

2.4G							
Mode	Test Case	Channel	Date Rate (Mbps)	ANT1 Test Results (dBm)	ANT2 Test Results (dBm)	ANT3 Test Results (dBm)	ANT4 Test Results (dBm)
IEEE 802.11g	TRP (MAX)	1	6	28.16	28.60	30.21	29.92
				28.79	28.61	29.41	28.65
				29.11	29.24	28.95	28.63
	TIS (MIN)	1	54	-85.79	-85.12	-86.64	-86.20
				-85.92	-85.76	-86.62	-85.97
				-86.69	-85.88	-85.73	-86.48

5G							
Mode	Test Case	Channel	Date Rate (Mbps)	ANT1 Test Results (dBm)	ANT2 Test Results (dBm)	ANT5 Test Results (dBm)	ANT6 Test Results (dBm)
IEEE 802.11a	TRP (MAX)	36	6	29.16	29.82	29.35	29.16
		149		28.72	28.54	29.22	28.74
		161		28.01	28.31	28.83	28.69
	TIS (MIN)	36	54	-84.22	-83.80	-84.35	-84.54
		149		-83.23	-83.26	-84.22	-84.43
		161		-83.07	-83.19	-84.07.	-84.15