



Address: No. 1, San keng Industrial Zone, Qing hu tou, Tang xia Town, Dongguan City; Tel :0769-38940168;
Fax :0769-39010966; Website: <http://rflink.net.cn>

SPECIFICATION FOR APPROVAL

CUSTOMER NAME: Skyworth

PRODUCT NAME: 2.4/5G internal antenna exposed L=36mm+ terminal

Ren Feng P/N: U00T02S000N03752 REV: B

	MANUFACTURER SIGNATURE	MANUFACTURER SIGNATURE
CHECKED BY:	Huang Lei	
AUDITOR BY:	Liu Xiaolin	
APPROVED BY:	Yao Dingjun	
DATE:	2023-11-02	



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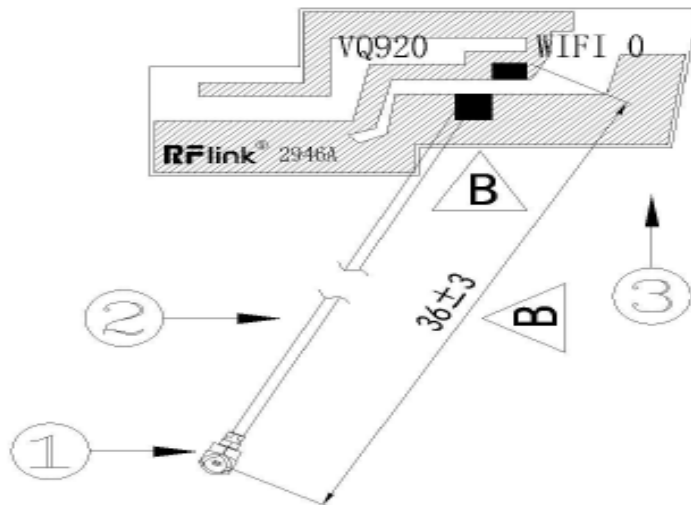
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一、 Change resume

REV	DATE	Change log
A	2023-07-13	Initial release
B	2023-11-02	Change board shape and line length exposed

二、 Change board shape and line length exposed

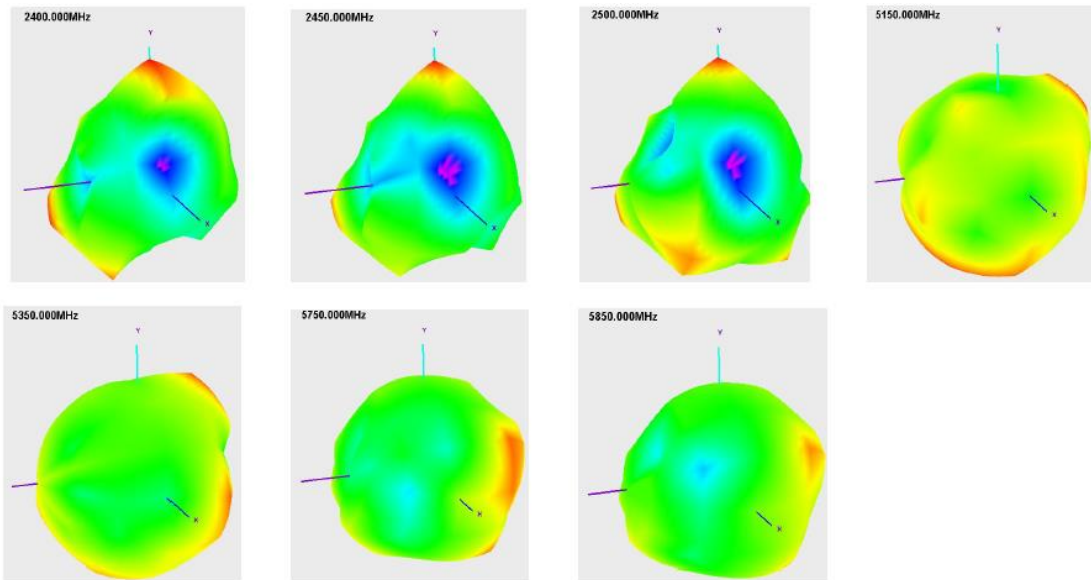
Main technical specifications	
Frequency Range (MHZ)	2400-2500 5150-5850
Impedance(Ω)	50
Peak Gain(dBi)	2.4G \leq 1.71 5G \leq 5.67
VSWR	\leq 2.3
Polarization	Cross
Radiation	Omni-directional
Connector Type	MHF Plug
Physical Properties	
Antenna cover	FPC
Operating Temp	-20 $^{\circ}$ C - +70 $^{\circ}$ C
Storage Temp	-20 $^{\circ}$ C - +70 $^{\circ}$ C



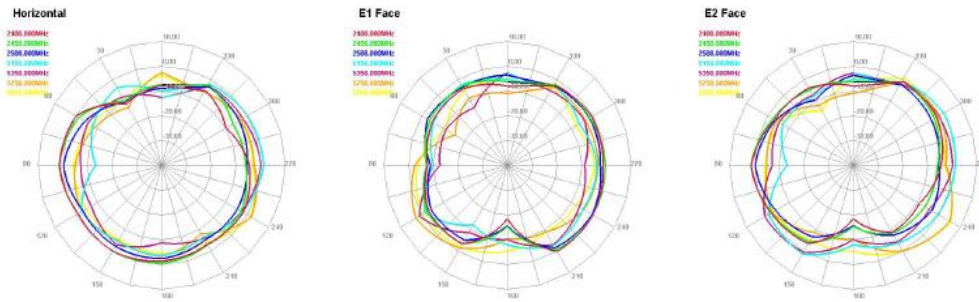
APPROVED	COSTOMER:				
	PART NO :				
CHECKED	PARTNAME : RF Antenna Assembly				
	R.F P/NO : U00T02S000N03752				
DRAWING	REV	UNIT	SCALE	SIZE	SHEET
	B	mm	1:1	A4	10F1

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三、Test report



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Freq (MHz)	Effi (%)	Gain (dBi)	Freq (MHz)	Effi (%)	Gain (dBi)
5150	49.96	2.25	2400	56.44	1.3
5200	45.34	1.96	2410	59.7	1.59
5250	46.23	1.95	2420	58.72	1.61
5300	42.7	2.37	2430	59.55	1.71
5350	43.67	3.03	2440	58.94	1.71
5400	42.96	2.58	2450	55.41	1.46
5450	47.85	2.95	2460	53.03	1.24
5500	47.27	2.88	2470	51.31	1.02
5550	49.73	3.39	2480	50.19	0.77
5600	48.54	3.28	2490	45.74	0.1
5650	46.72	2.71	2500	44.28	-0.3
5700	55.21	3.26			
5750	61.16	5.12			
5800	63.57	5.67			
5850	54.84	5.55			



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四、 Raw Materials List

Serial number	Name	Material	QTY	Unit	Manufacturer	Remark
1	FPC	PI	1	PC	Junyi	
2	Terminal	Phosphor bronze	1	PC	Kexincheng/CAI Mei	
3	Cable	0.81 silver tin	1	PC	ChinaOceanconnection	