

KunShan Innowave Communication Technology CO.,Ltd.

【Material acknowledgement】

CUSTOMER NAME: Shenzhen MTN Electronics Co., LTD

PRODUCT NAME: KE97 (F065E9713910004)

CUSTOMER: 12. N3. 5000NE5DB

Customer material name: MTO-WR1232AC

PRODUCT: Version number :V1.0; MTO-WR1232AC 5G antenna 2, 64.5 *10*0.6mm resonant frequency 5100~5800Mhz, standing wave ratio less than 2, return loss less than -10, efficiency $\geq 60\%$, gain 4dB, substrate FR4, copp-coated, black ink surface, back with 3M300LSE L=100 $\pm$ 5mm Color: Gray IPEX, screen printing: NDX MD13 5G-2 V0.1 meets ROHS2.0 Innowave

Factory signature:

APPROVED BY	AUDITOR BY	CHECKED BY
Huang Chao	Lin Quan Jun	Huang Lei

Customer acknowledges signature:

Acknowledge the result: ☐ OK ☐ NG

APPROVED BY	APPROVED BY	APPROVED BY

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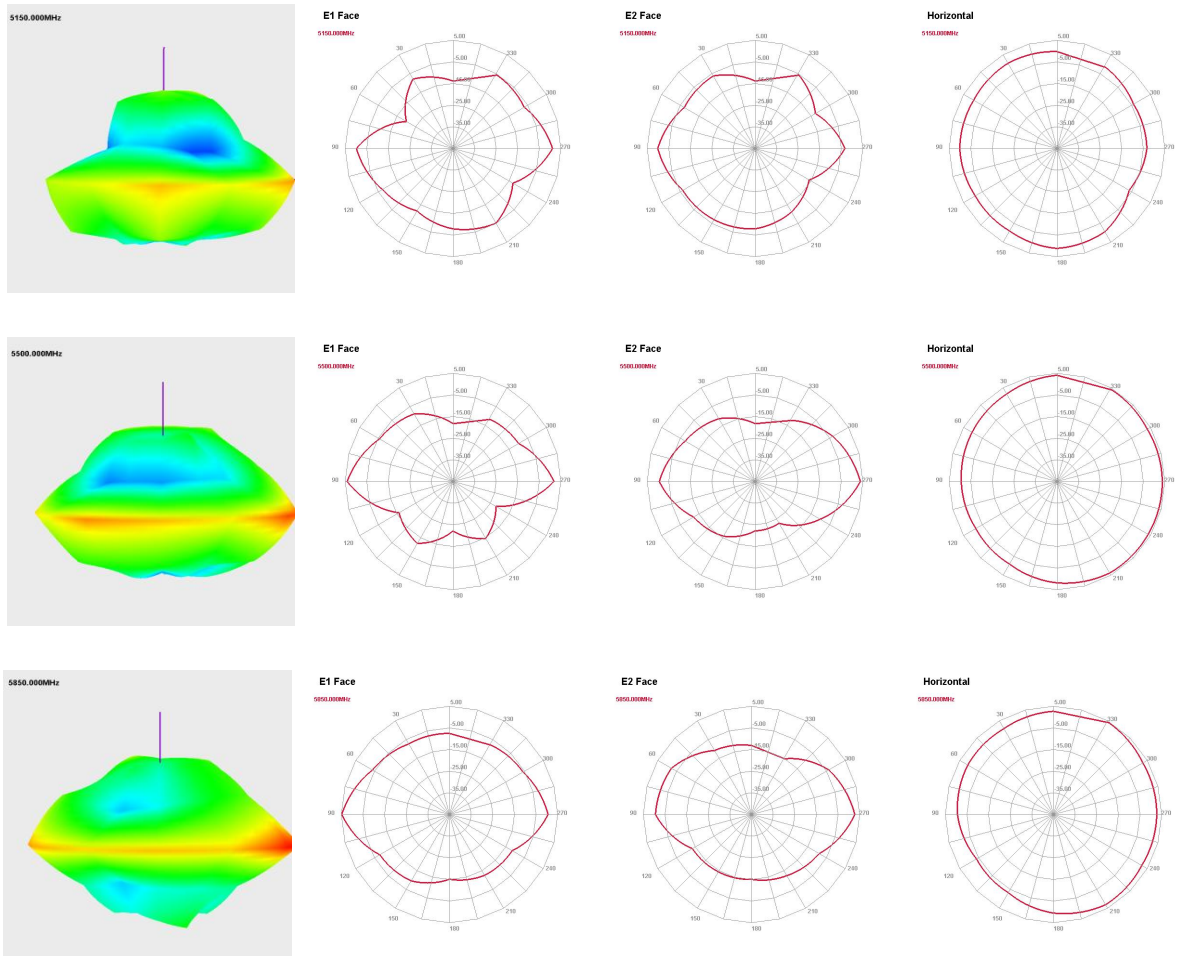
(1) Antenna description

Product main technical parameters

Main technical specificationf

Main technical parameters		Main technical specifications	
Frequency Range (MHz)	5150-5850	Frequency Range (MHz)	5150-5850
Impedance (Ω)	50	Impedance (Ω)	50
Peak Gain(dBi)	2.0	Peak Gain(dBi)	2.0
VSWR	≦2.0	VSWR	≦2.0
Polarization	vertical polarization	Polarization	vertical polarization
Radiation	Omni-directional	Radiation	Omni-directional
Connector Type	MHF Plug	Connector Type	MHF Plug
Physical Properties		Physical Properties	
Antenna Base	FR-4	Antenna Base	FR-4
Operating Temp	-40℃~+70℃	Operating Temp	-40℃~+70℃
Storage Temp	-40℃~+70℃	Storage Temp	-40℃~+70℃

3.2:Darkroom 2D, 3DRaditation Pattern



3.3: Gain, efficiency meter

Frequency(GHz)	Efficiency (%)	Gain(dBi)
5150	71.4	2.52
5500	72.02	2.44
5850	69.26	2.31

4、 Bill of materials

		KunShan Innwave Communication Technology CO.,Ltd.									
BOM											
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