



SPECIFICATION

APPLICATION FOR APPROVAL

CUSTOMER :

MICRO

05.06.017

AUK01949B-WIFI2

A92100-01

Jun. 08, 2020

Head Quarter

Auden Techno(KUNSHAN)CO.LTD

NO.15 YING-BIN ROAD, LUYANGTOWN, KUNSHAN, JIANGSU
CHINA

Branch

Auden Techno(KUNSHAN)CO.LTD. Xi'an branch

E1-04, zhongxing industrial park, no.10 tangyan south road,
high-tech zone, xi'an

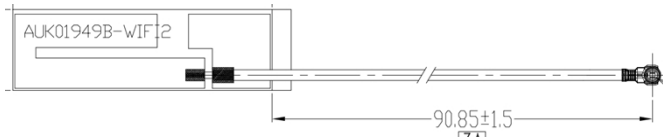
Auden Techno(KUNSHAN)CO.LTD. Shenzhen branch

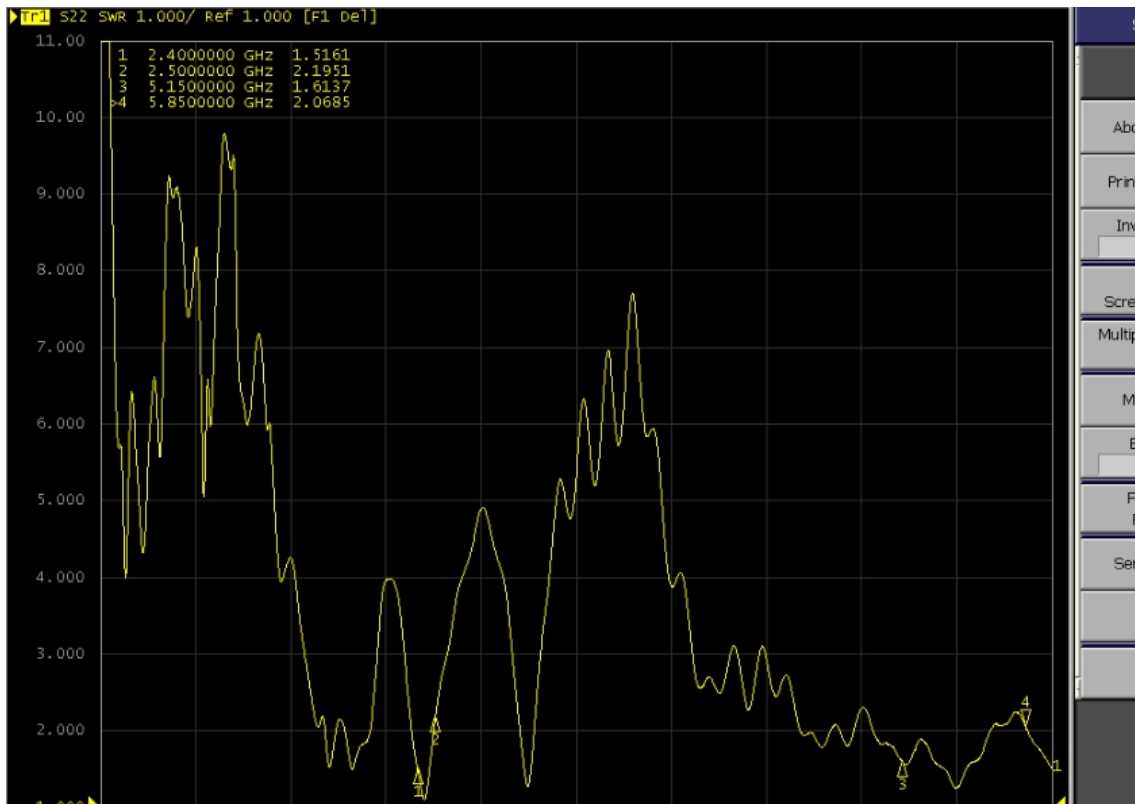
Address: 201-202, 2nd floor, building A, zone 5, honghualing
industrial zone, taoyuan street, nanshan district, shenzhen
(southern district)

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(The Basic Parameters)

(Item)	(Specifications)
Type	FPC+CABLE
(Frequency)	2.4g~5.8g
(V. S. W. R)	≤ 3
(Gain)	≤ 3
(Polarization)	Linear polarization
(Impedance)	50Ω
(Plastic material)	no
(joint type)	IPEX 4 th
(Cable loss)	2.4~2.5GHz:0.5dB 5.15~5.85GHz:0.8dB
(Cable length)	L160mm
(Operation temperature)	-40°C to 85°C
(Storage temperature)	-40°C to 85°C
(humidity)	Non-condensing 65°C 95% RH
Photo	

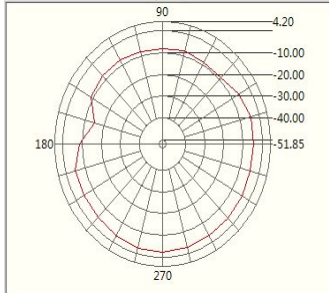
(RF Performance Test Report)
AUK01949B-Aux /V.S.W.R

Test data

Frequency	Efficiency Total (%)	Gain Total (dBi)	Frequency	Efficiency Total (%)	Gain Total (dBi)
2.4G	37.10	2.20	5.15G	44.26	2.68
2.41G	42.12	2.40	5.2G	40.92	2.52
2.42G	29.85	1.89	5.25G	38.65	2.34
2.43G	29.85	1.99	5.3G	36.89	1.79
2.44G	29.65	1.80	5.35G	32.43	1.88
2.45G	29.44	1.56	5.4G	31.60	1.73
2.46G	30.13	2.10	5.45G	30.28	1.54
2.47G	29.31	1.85	5.5G	31.89	1.98
2.48G	30.20	1.86	5.55G	32.65	2.01
2.49G	33.27	1.31	5.6G	34.68	2.45
2.5G	35.08	1.70	5.65G	38.01	2.53
			5.7G	37.27	2.29
			5.75G	35.73	2.16
			5.8G	40.23	2.58
			5.85G	39.14	2.49

H-Plane

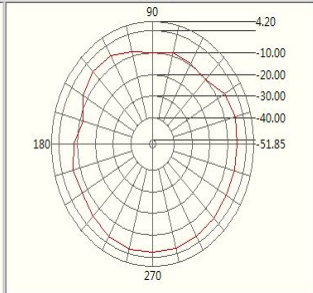
2.4GHz H-Plane

Excel XY Plot (Value dB / Angle deg.)



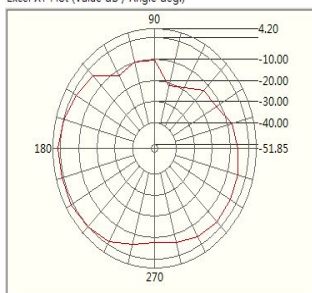
2.5GHz H-Plane

Excel XY Plot (Value dB / Angle deg.)



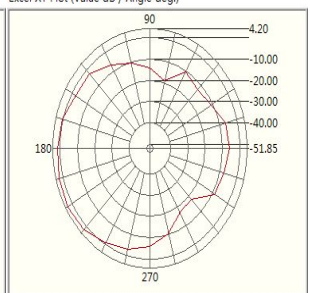
5.15GHz H-Plane

Excel XY Plot (Value dB / Angle deg.)



5.85GHz H-Plane

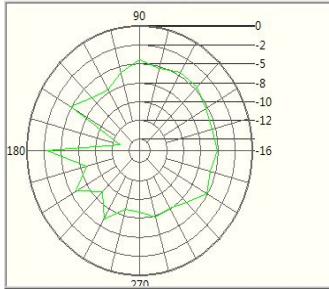
Excel XY Plot (Value dB / Angle deg.)



E-Plane

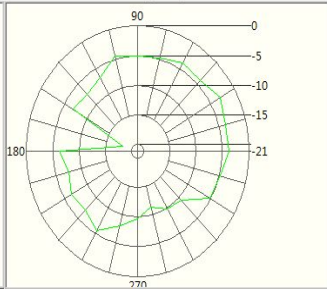
2.4GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)



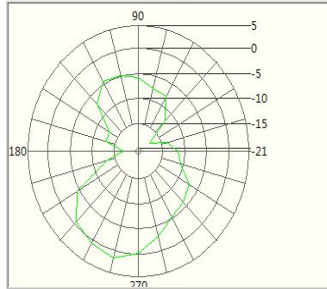
2.5GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)



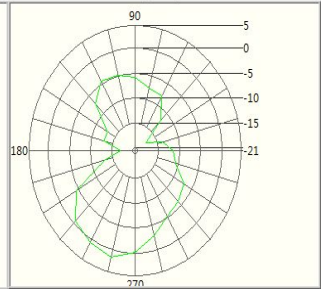
5.15GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)



5.85GHz E-Plane

Excel XY Plot (Value dB / Angle deg.)



(Product Drawing)

	A00		2021/07/23	
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