



Percsson Communication Equipment Co., Ltd

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Antenna acknowledgment

client: AnKaiYue

frequency range: WIFI

code:

document number: 202212097

version number: A

Antenna model: PRSME0064-WF

vender: Percsson Communication Equipment Co., Ltd

date: 2023.2.6

date:

fiction	Review	ratify

client:

fiction	Review	ratify



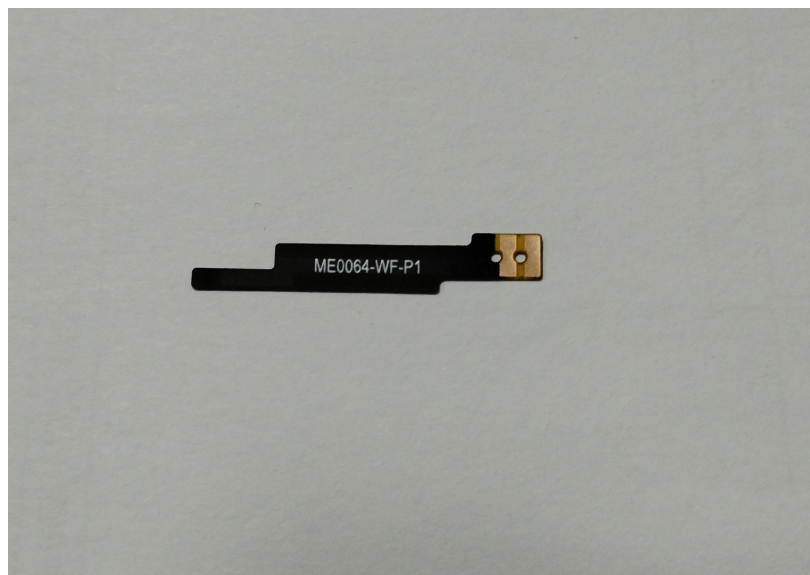
catalogue

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一、 product description

Antenna Name	PRSME0064-WF
Main Electrical Specifications	
Frequency Rang （MHz）	2400-2500MHz
Impedance （ Ω ）	50 Ω
Polarization	Vertical Polarization
Main Structure Specifications	
Length（mm）	29.97
Connector Type	centre
Color	black

二、 outside view drawing



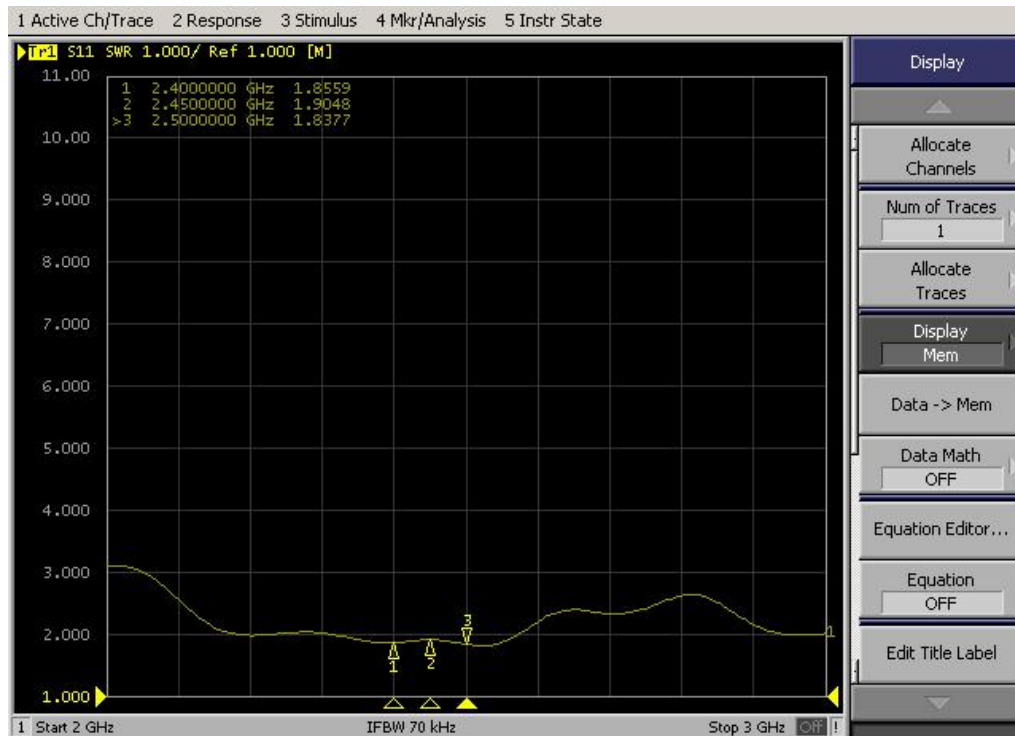


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三、 machine

四、darkroom

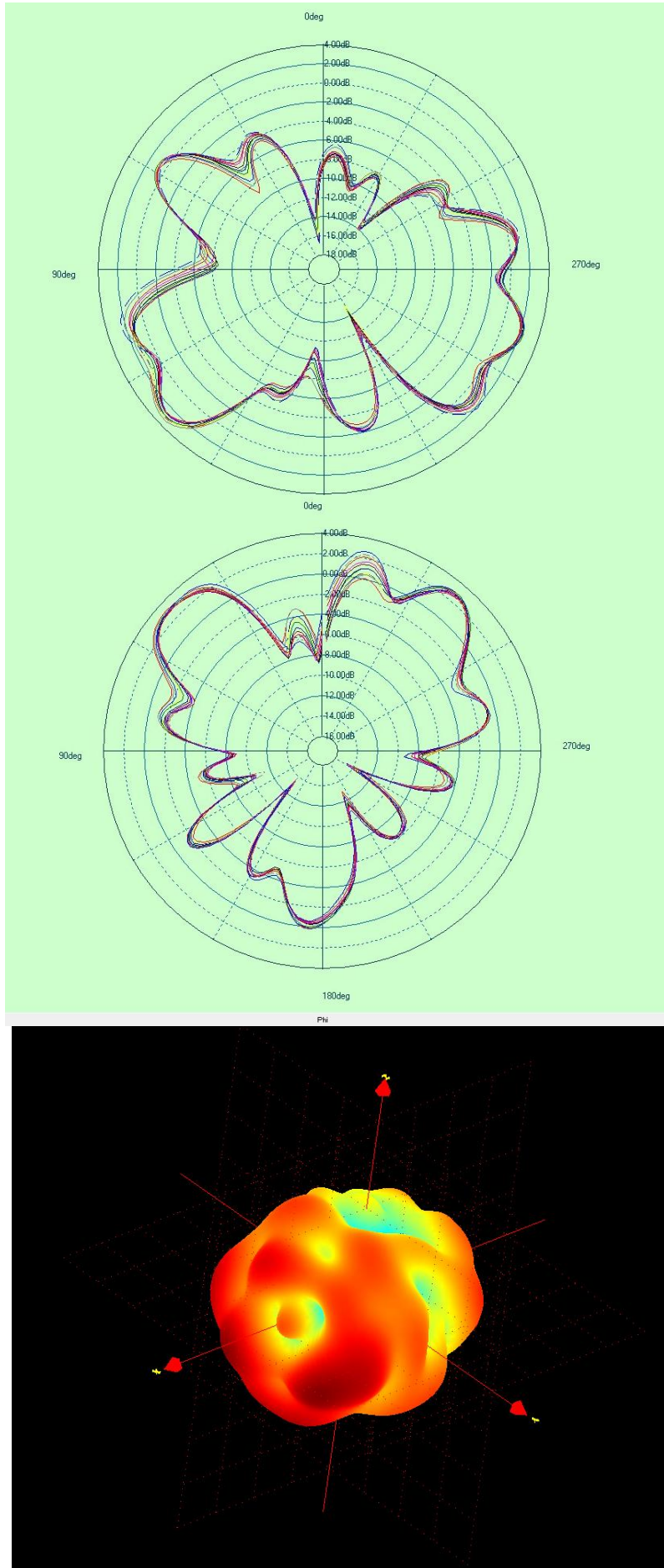
VSWR



Efficiency&Peak_Gain

Efficiency&Peak_Gain								
Frequency	Efficiency	Peak_Gain	Frequency	Efficiency	Peak_Gain	Frequency	Efficiency	Peak_Gain
2400	49.13%	2.09	2410	49.93%	2.19	2420	49.66%	2.05
2430	50.27%	2.18	2440	51.58%	2.39	2450	51.55%	2.33
2460	51.58%	2.23	2470	50.52%	2.16	2480	49.58%	2.11
2490	48.08%	2.19	2500	48.51%	2.09			

Pattern

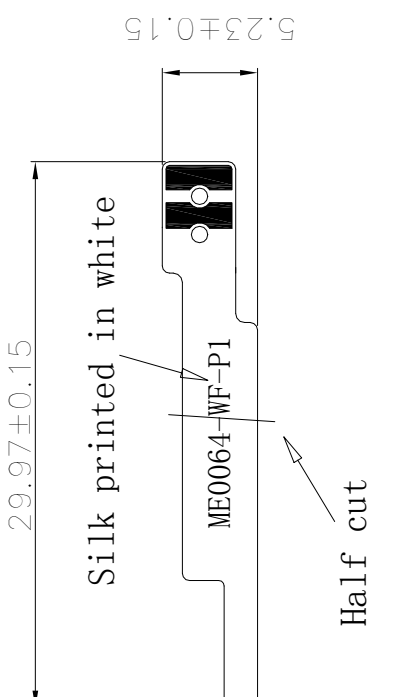




五、 dimension control

dimension control（edition A/0）													
supplier			percsson			material quality			number		WI-TEC-LIST-AKY		
Project name						environment		10-30℃		edition		A/0	
product name			Built-in antenna			personnel		张传东		time			
product model			PRSME0064-WF			time		2023.2.6		time			
size						measure			suggestion				
nu mb er	pos itio n	prop erty	size	com mon diffe renc e	commo n differen ce	1	2	3	judg e	suggestio n	suggestio n	me asu re	
1		com mon	29.97	0.15	0.15	29.96	29.98	29.98	OK	qualified		call iper s	
2		com mon	5.23	0.15	0.15	5.18	5.16	5.18	OK	qualified		call iper s	

六、schedule drawing

1	2	3	4	5	6																																																						
ask: ☒ ROHS ☐ REACH ☐ not have 																																																											
technical requirement: 1、*Key size, All copper foil lines shall not exceed ± 0.05, The tolerance of the mold exit dimension does not exceed ± 0.1, The size is not subject to the drawing. 2、Half-to-half substrate, Single-sided version, nickelage 1.5~5.0um; gold-plating 0.025~0.05um; The running surface is matte black in the area except the welding pad, gum 3M9471LE 。																																																											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="6" style="text-align: center;">Percsson Communication Equipment Co., Ltd</th> </tr> <tr> <th style="width: 10%;">Tolerance standard</th> <th style="width: 10%;">model</th> <th style="width: 10%;">PRSM0064</th> <th style="width: 10%;">name of a part</th> <th style="width: 10%;">WIFI-FPC</th> <th style="width: 10%;">date</th> </tr> <tr> <td>0-10 ± 0.05</td> <td>○</td> <td>0.02</td> <td></td> <td></td> <td>2023.2.6</td> </tr> <tr> <td>10-18 ± 0.06</td> <td>◎</td> <td>0.03</td> <td>ME0064BLK413P1</td> <td></td> <td>MD</td> </tr> <tr> <td>18-30 ± 0.08</td> <td>⊥</td> <td>0.02</td> <td>PI+Cu</td> <td></td> <td>RF</td> </tr> <tr> <td>30-40 ± 0.09</td> <td>∠</td> <td>0.04</td> <td>respect 1 page</td> <td></td> <td>ratify</td> </tr> <tr> <td>40- ± 0.10</td> <td>Angle</td> <td>$\pm 0.5^\circ$</td> <td>angle of view</td> <td>unit</td> <td>mm scale</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Fit edition</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>P1</td> </tr> </table>						Percsson Communication Equipment Co., Ltd						Tolerance standard	model	PRSM0064	name of a part	WIFI-FPC	date	0-10 ± 0.05	○	0.02			2023.2.6	10-18 ± 0.06	◎	0.03	ME0064BLK413P1		MD	18-30 ± 0.08	⊥	0.02	PI+Cu		RF	30-40 ± 0.09	∠	0.04	respect 1 page		ratify	40- ± 0.10	Angle	$\pm 0.5^\circ$	angle of view	unit	mm scale						Fit edition						P1
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七、Temperature test

Percsson Communication Equipment Co., Ltd

Temperature test

client: AnKaiYue		name: Built-in antenna		model: PRSME0064-WF	
test objective		Confirm whether the product has any abnormal bad phenomenon			
test item		☐ cold test	☐ hot test	☒ temperature shock test	☐ steady-state damp heat test
condition of experiment		Samples were placed at low temperature-35℃ Storage under the environment2hour	样品置于高温 70℃ 的环境下贮存 2 小时	high temperature75℃ keep in storage2hour, 5A minute turn-35℃ keep in storage2hourA cycle, Impact three cycles, The val was recovered in the natural environment2hour	temperature60℃, humidity95±2%Environmental storage12hour
period		2023 年 2 月 4 日 10: 00~5 日 10: 00 (24H)			
quantity		5PCS			
ask		Qualified performance; No bad discoloration in appearance。			
bear fruit					
Confirm that there is no problem					
judge		☒ 合格		☐ 不合格	
standard		☒ GB2423.1-2001/GB2423.2-2001/GB2424.13-2002			