

Specification For Approval

Date: 2023 / 09 / 26

File No.: 230926004

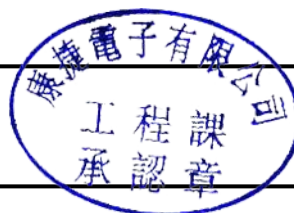
Version: 1.0

Customer : 優必闊科技股份有限公司

Customer P/N : /

INVAX P/N : DS1619-1048WNM

Description : Antenna



Cortec Checked By:



Customer Approved By:



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1. Revision History

Revision	Date	Change Notification	Description
1.0	2023.09.26	初版	

Product Number: DS1619-1048WNM

Product Name: Antenna



2. Specification

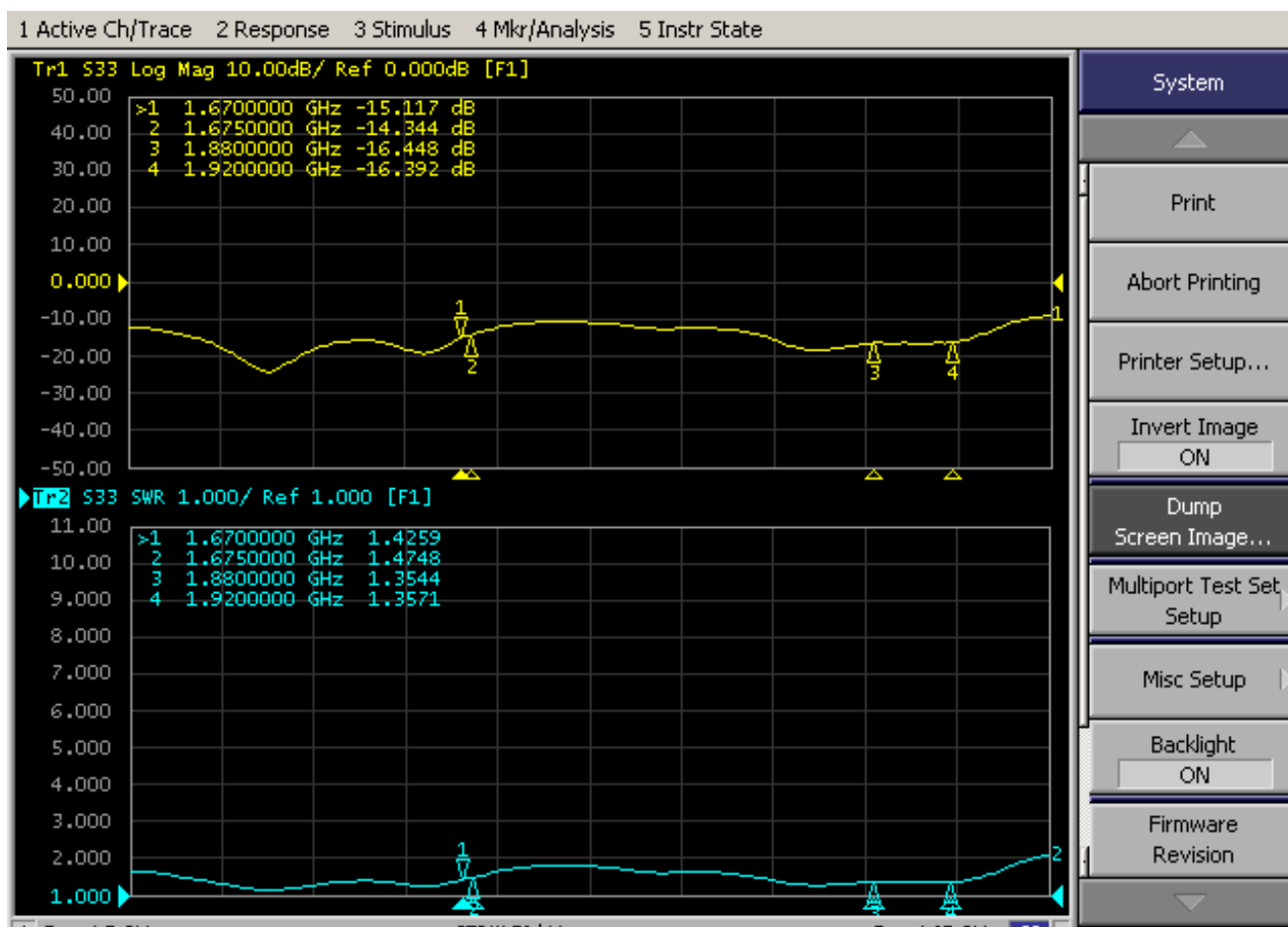
Sample Photo	
	
Electrical Characteristics	
Frequency	1670 ~ 1675 MHz 1880 ~ 1920 MHz
V.S.W.R.	≤ 2.0
Peak Gain	4.28 dBi @ 1670 ~ 1675 MHz 3.94 dBi @ 1880 ~ 1920 MHz
Radiation Patter	Omni-Directional
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Product Material	Fiberglass
Antenna Color	White
Connector Type	N Plug / Ni Plated
C. Environmental	
Operation Temperature	- 40 °C ~ + 80 °C

Product Number: DS1619-1048WNM

Product Name: Antenna



3. Antenna - S Parameter Test Data

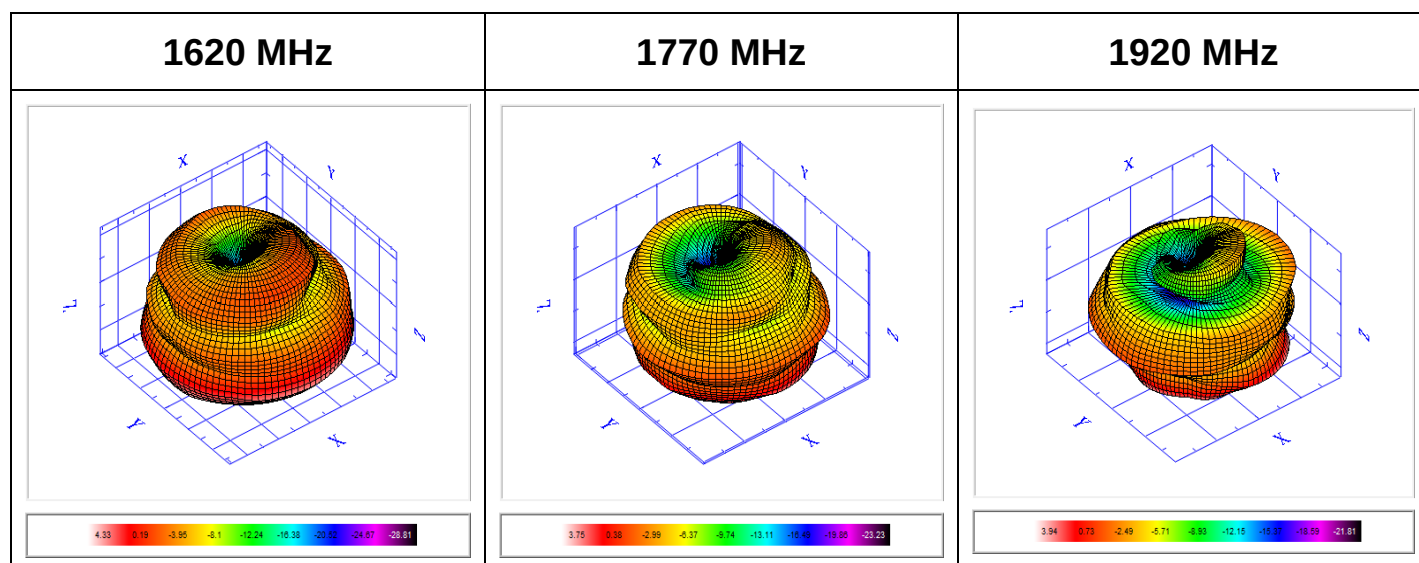


Product Number: DS1619-1048WNM

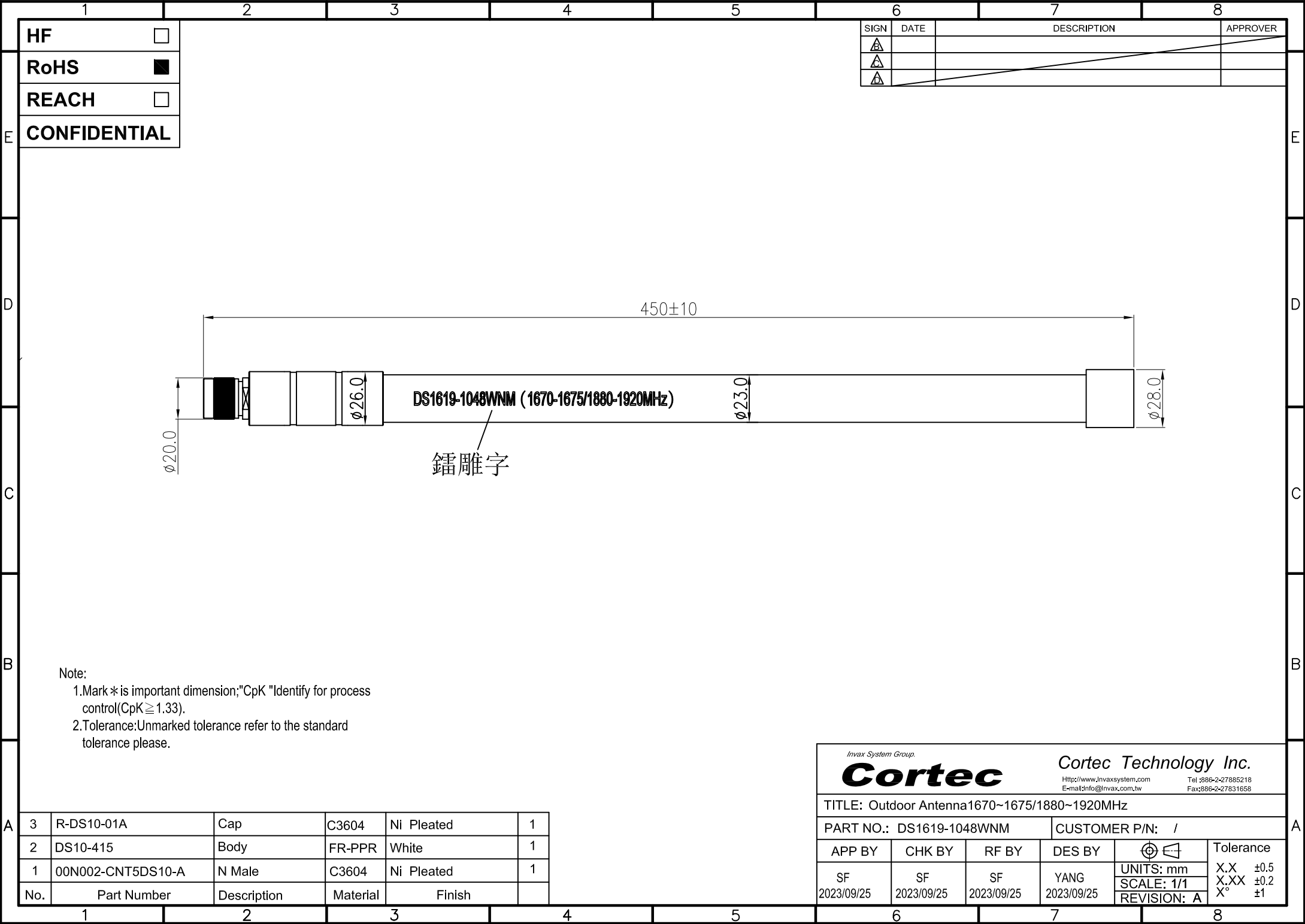
Product Name: Antenna



4. Antenna - Radiation Pattern Test Data



Frequency	1620	1670	1720	1770	1820	1870	1920
E-Total Peak Gain (dBi)	4.33	4.28	4.03	3.75	3.77	3.49	3.94
Efficiency (%)	68.4	61.99	69.25	65.11	62.59	64.77	70.46



HF	☐
RoHS	☒
REACH	☐
CONFIDENTIAL	

SIGN	DATE	DESCRIPTION	APPROVER

Note:
1.Mark * is important dimension;"CpK "Identify for process control(CpK≥1.33).
2.Tolerance:Unmarked tolerance refer to the standard tolerance please.

3	R-DS10-01A	Cap	C3604	Ni Pleated	1
2	DS10-415	Body	FR-PPR	White	1
1	00N002-CNT5DS10-A	N Male	C3604	Ni Pleated	1
No.	Part Number	Description	Material	Finish	

Invax System Group.				Cortec Technology Inc.			
Cortec				Http://www.invaxsystem.com		Tel :886-2-27885218	
				E-mail:info@invax.com.tw		Fax:886-2-27831658	
TITLE: Outdoor Antenna1670~1675/1880~1920MHZ							
PART NO.: DS1619-1048WNM				CUSTOMER P/N: /			
APP BY		CHK BY		RF BY		DES BY	
SF		SF		SF		YANG	
2023/09/25		2023/09/25		2023/09/25		2023/09/25	
						Tolerance	
				UNITS: mm		X.X ±0.5	
				SCALE: 1/1		X.XX ±0.2	
				REVISION: A		X° ±1	