

Specification For Approval

Date: 2023 / 09 / 26

File No.: 230926004

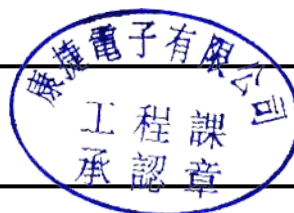
Version: 1.0

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:	RD 2023.09.26 SF
Customer Approved By:	



INVAX System Technology Corp.
4F. No. 815.Chung Hsiao East Rd.,Sec.5
Taipei, TAIWAN

TEL:886-2-2788-5218 FAX:886-2-2783-1658
<http://www.invaxsystem.com>



Cortec Technology Inc.
Xian-Xi Industrial, Sha-Tou Administration Zone,
Chang-An Town, Dong-Guan City, Guangdong
Province, China
TEL:86-769-85388261 FAX:86-769-85317869
<http://www.cortec.com.cn>

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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

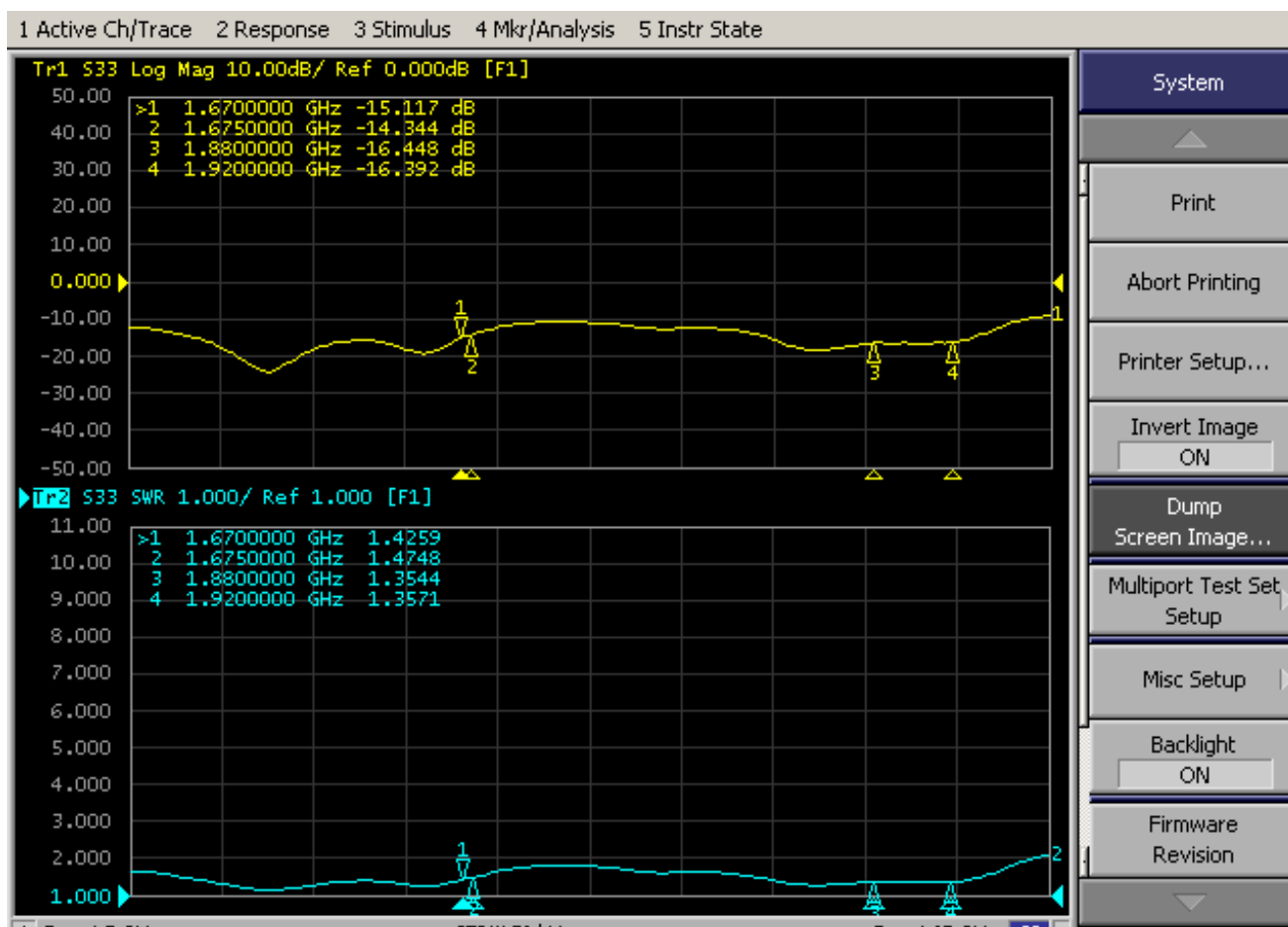
Sample Photo	
	
Electrical Characteristics	
Frequency	1670 ~ 1675 MHz 1880 ~ 1920 MHz
V.S.W.R.	≤ 2.0
Peak Gain	4.28 dBi @ 1670 ~ 1675 MHz 3.94 dBi @ 1880 ~ 1920 MHz
Radiation Patter	Omni-Directional
Impedance	50 Ohm
B. Material & Mechanical Characteristics	
Material of Radiator	Cu
Product Material	Fiberglass
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

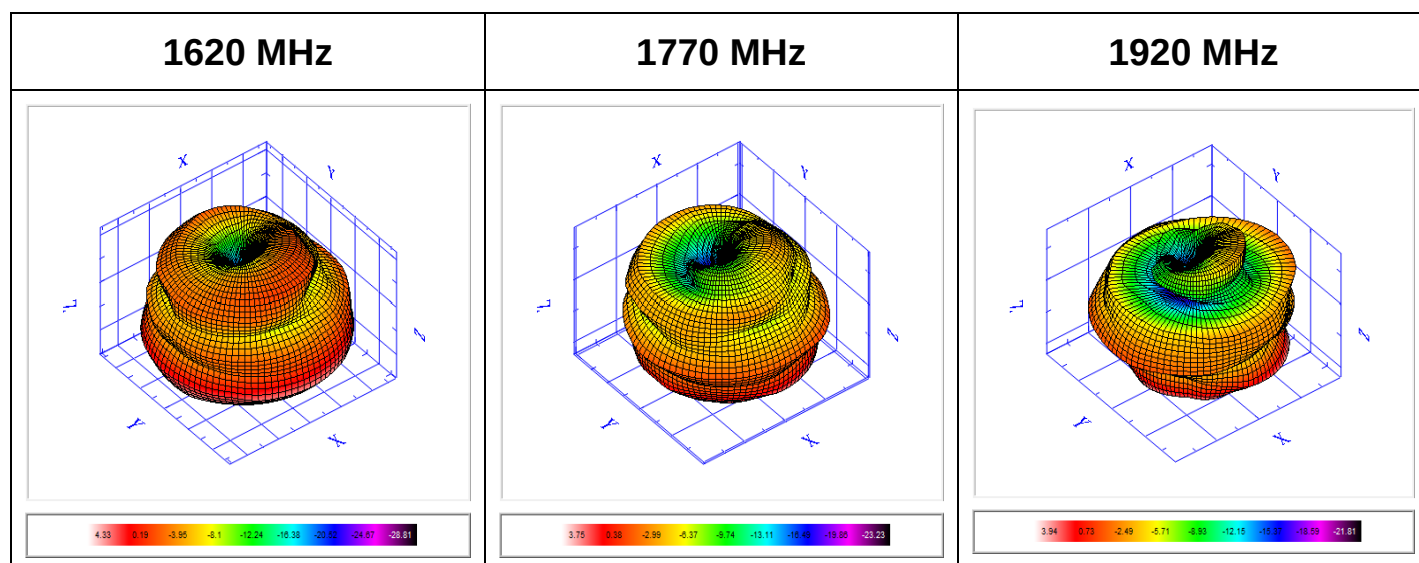


Product Number: DS1619-1048WNM

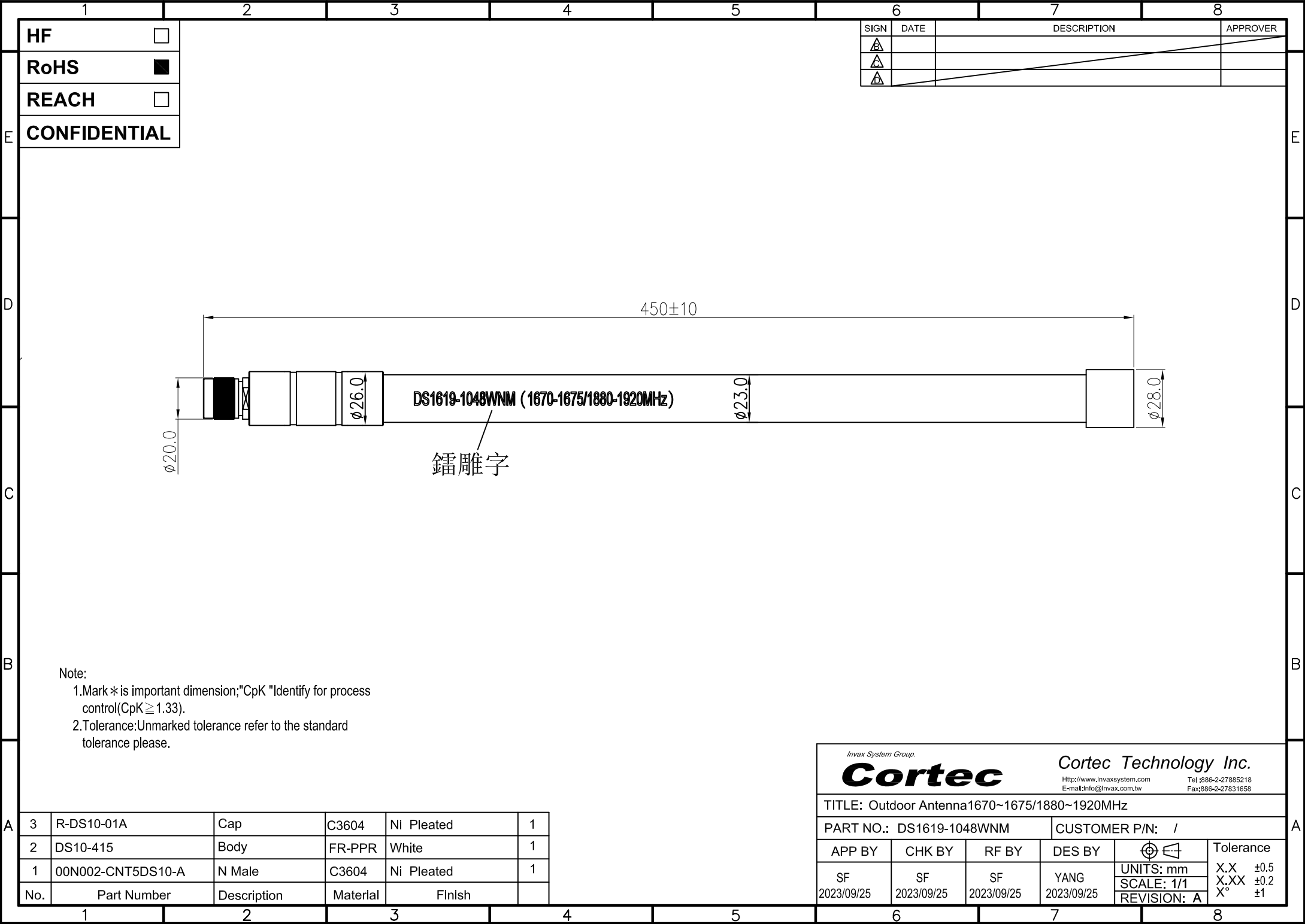
Product Name: Antenna



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

Cortec Technology Inc.

Http://www.invaxsystem.com

E-mail:info@invax.com.tw

Tel :886-2-27885218

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		Tolerance
SF	SF	SF	YANG	UNITS: mm	X.X ±0.5
2023/09/25	2023/09/25	2023/09/25	2023/09/25	SCALE: 1/1	X.XX ±0.2
				REVISION: A	X° ±1