

Antenna Product Specification

Entry Name	SP7296A
Frequency Channel	WCN: GPS/BT/2.4G/5G NFC:13.56Mhz
Supplier Name	INNOWAVE
Supplier Address	Building H, Jintu Zhizao Garden, No. 55 Shengchuang Road, Yushan Town, Kunshan City, Jiangsu Province
Test Personnel Name	Rock

1. Type of Antenna: MONOPOLE LOOP

Antenna attachment type: Fixed/Internal mounted

WCN ANT pattern: MONOPOLE

NFC ANT pattern: (LOOP): 11.30*8.9*2.7mm

2. Efficiency and Gain

WCN - Gain

Freq (MHz)	Peak Gain(dBi)	Average Gain(dBi)
2400~2483.5MHz	-3.7	-4.8
5150~5250MHz	-4.2	-5.7
5250~5350MHz	-4.5	-5.3
5470~5725MHz	-4.3	-5.2
5725~5850MHz	-4.4	-5.6

1575MHz

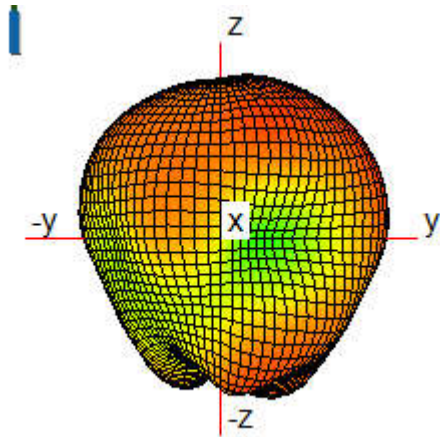
-2.4

-4.7

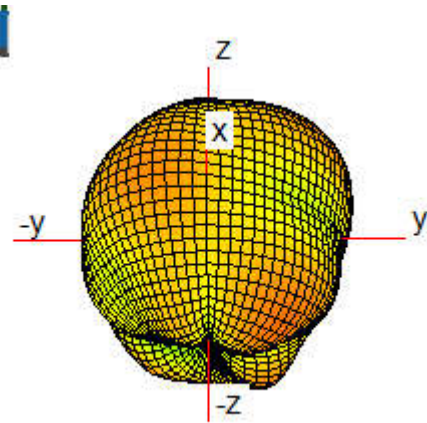
3. 3D Directional Pattern

WCN :

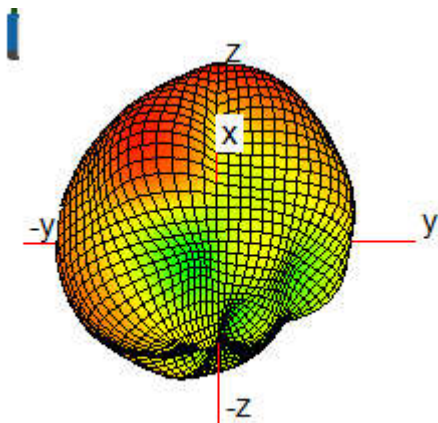
1575MHZ



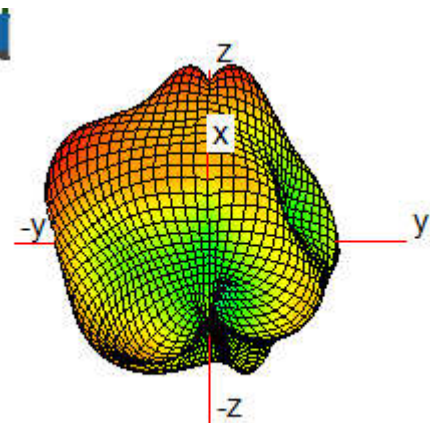
2400~2483.5MHz



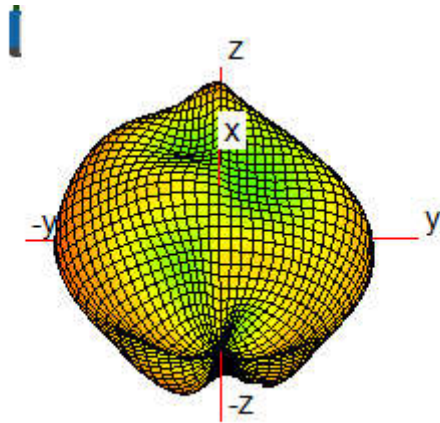
5150~5250MHz



5250~5350MHz



5725~5850MHz



4.Equipment list

Number	Device	Type/Model	Serial	Manufacturer	Cal. Date	Cal. due. Date
1	Chamber	FATC3	5720	ETS-Lindgren	2024/12/25	2025/12/24
2	Turn table control box	ETS	-	ETS-Lindgren	N/A	N/A
3	Turn table control computer	Desktop	LPTPTOP-JQTTOKRA	LENOVO	N/A	N/A
4	Network Analyzer	5071C	5071C	Keysight	2024/12/25	2025/12/24
5	Horn Antenna	3117	E00157734	Bwant	2024/12/23	2025/12/22
6	Test system host	EMC Center	159757	ETS-Lindgren	N/A	N/A
7	RF Line TX	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/20	2025/12/19
8	RF Line RX	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/20	2025/12/19
9	Cable 2m 1GHz-8.5GHz	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/20	2025/12/19
10	Optical fiber line	RXY-00727-1603	-	Jmtt	N/A	N/A
11	Cable 2.5m 1GHz-8.5GHz	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/21	2025/12/20
12	Cable 1.2m 1GHz-8.5GHz	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/21	2025/12/20
13	Cable 1m 1GHz-8.5GHz	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/21	2025/12/20
14	Cable 2m 1GHz-8.5GHz	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/21	2025/12/20
15	Cable 1m 1GHz-8.5GHz	UFA147A-0-0480-200200	MFR64639223720	Micro-coax	2024/12/13	2025/12/12
16	Temp&Humidity Logger	RA12E-TH1-RAS	RA12-DOEB1A	Avtech	2024/12/20	2025/12/19