

Antenna Product Specification

Entry Name	S1F4
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
Test Soft	GTS MaxSign RayZone2800

Test Action

1. WCN Antenna position

Type of Antenna: IFA

Model Name: RX-SP7517A-WCN

Brand: innowave

2. NFC Antenna position:

Type of Antenna: Loop Antenna

Model Name: SP7517A

Brand: INNOWAVE

Efficiency and Gain

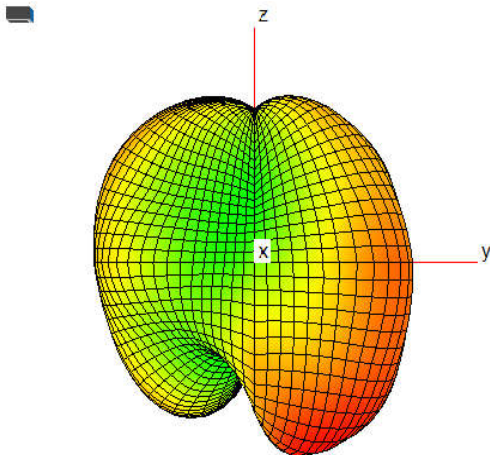
1. WCN - Gain

Freq (MHz)	Peak Gain(dBi)	Average Gain(dBi)
2400~2483.5MHz	-1.32	-4.3
5150~5250MHz	-2.28	-5.2
5250~5350MHz	-2.25	-5.3
5470~5725MHz	-2.24	-5.3
5725~5850MHz	-3.2	-5.8
1575MHz	-1.32	-4.92

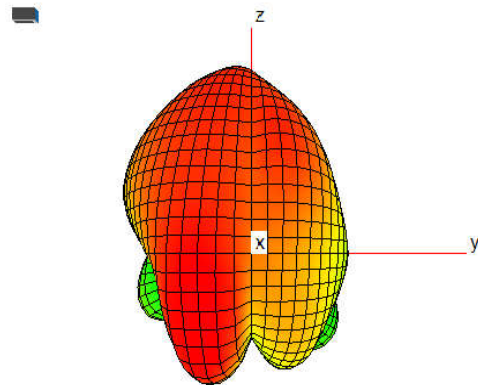
3D Directional Pattern

1. WCN :

1575MHZ

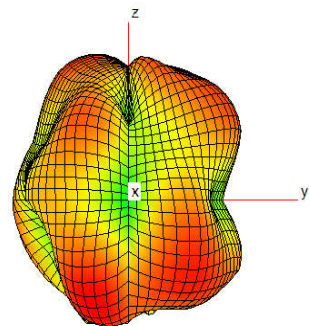
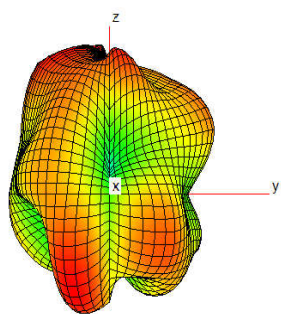


2400~2483.5MHz

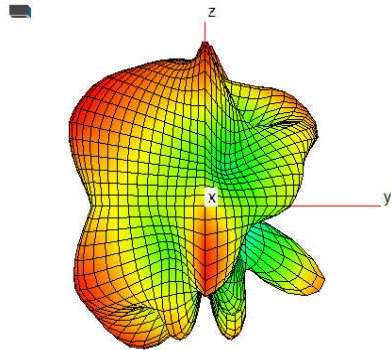


5150~5250MHz

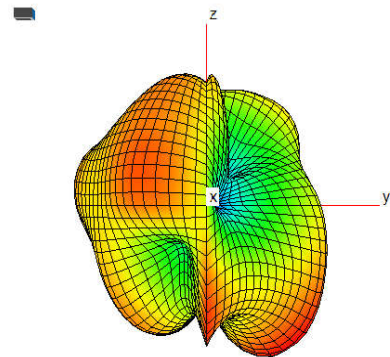
5250~5350MHz



5725~5850MHz



5725~5850MHz



2. 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