

SPECIFICATION FOR APPROVAL

Customer Name : Beijing InHand Networks Technology Co., Ltd.

Customer Product Model NO. : AANT060026

Product Description WiFi Fiberglass Antenna/BGS-065C(RB version)

MPN: 210300000031

Manufacturer FIBOCOM Wireless Inc.

Approve Date 16-Mar-23

Customer Sign and Seal

Application:

WiFi Fiberglass Antenna solution

Electrical specifications:

Frequency	2400-2500MHz	Antenna material	Fiberglass
Input Impedance	50Ω	Connector	RP-TNC-J
SWR	See below standing wave pattern	Gain	See the test data

Test conditions and instruments

Test instruments	Test Method	Test result
48 Probes Chamber Agilent E5071C network analyzer	1.Assemble the antenna on the device 2. Put the test fixture with the antenna in the chamber, and connect it with the network analyzer 3. Test the antenna passive test result with the test software	See the test data

Test data:

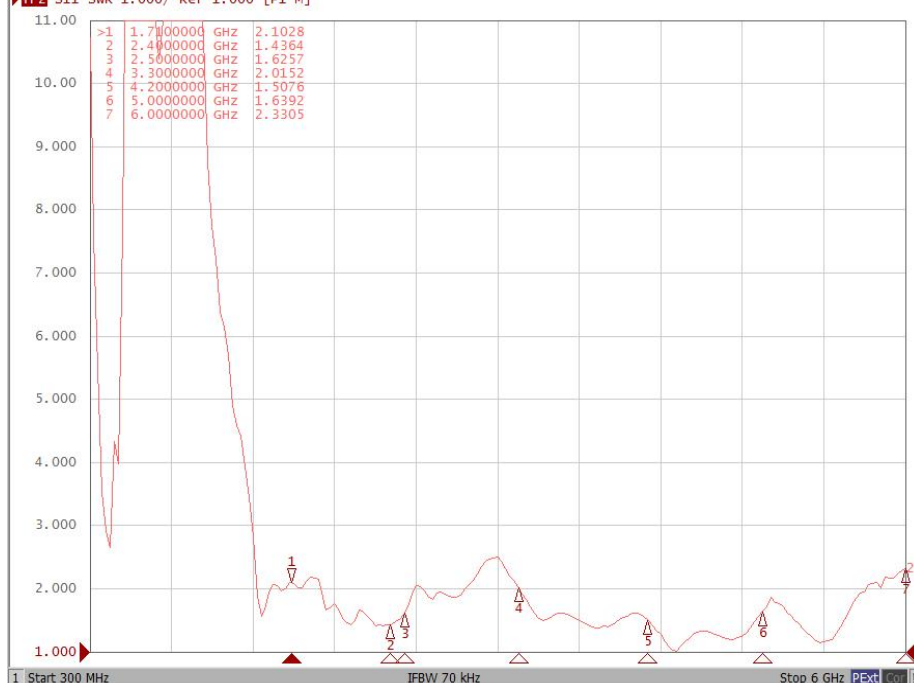
Freq (MHz)	Band	Effi (%)	Gain (dBi)
2400	WIFI 2.4G	77.86	4.43
2410		77.43	4.16
2420		76.57	4.21
2440		75.87	4.08
2460		73.39	3.53
2480		72.58	3.35

Standing wave pattern:

E5071C Network Analyzer

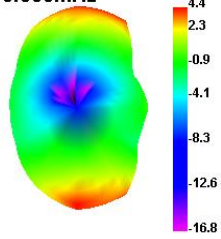
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

▶ F2 S11 SWR 1.000/ Ref 1.000 [F1 M]

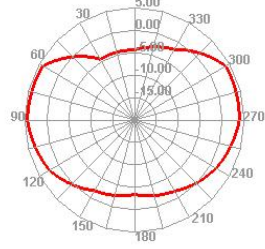


Radiation Pattern:

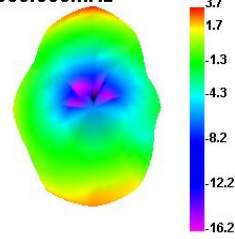
2400.000MHz



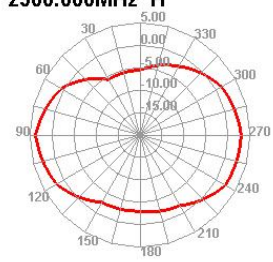
2400.000MHz H



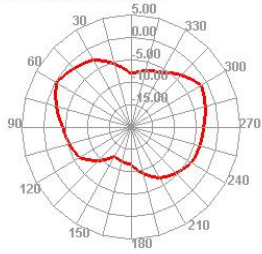
2500.000MHz



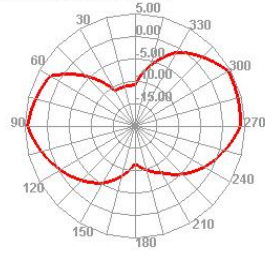
2500.000MHz H



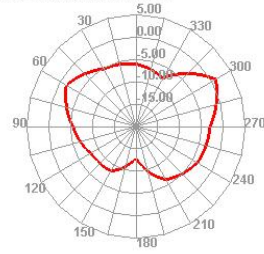
2400.000MHz E1



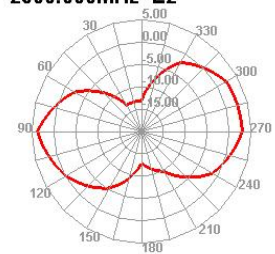
2400.000MHz E2



2500.000MHz E1

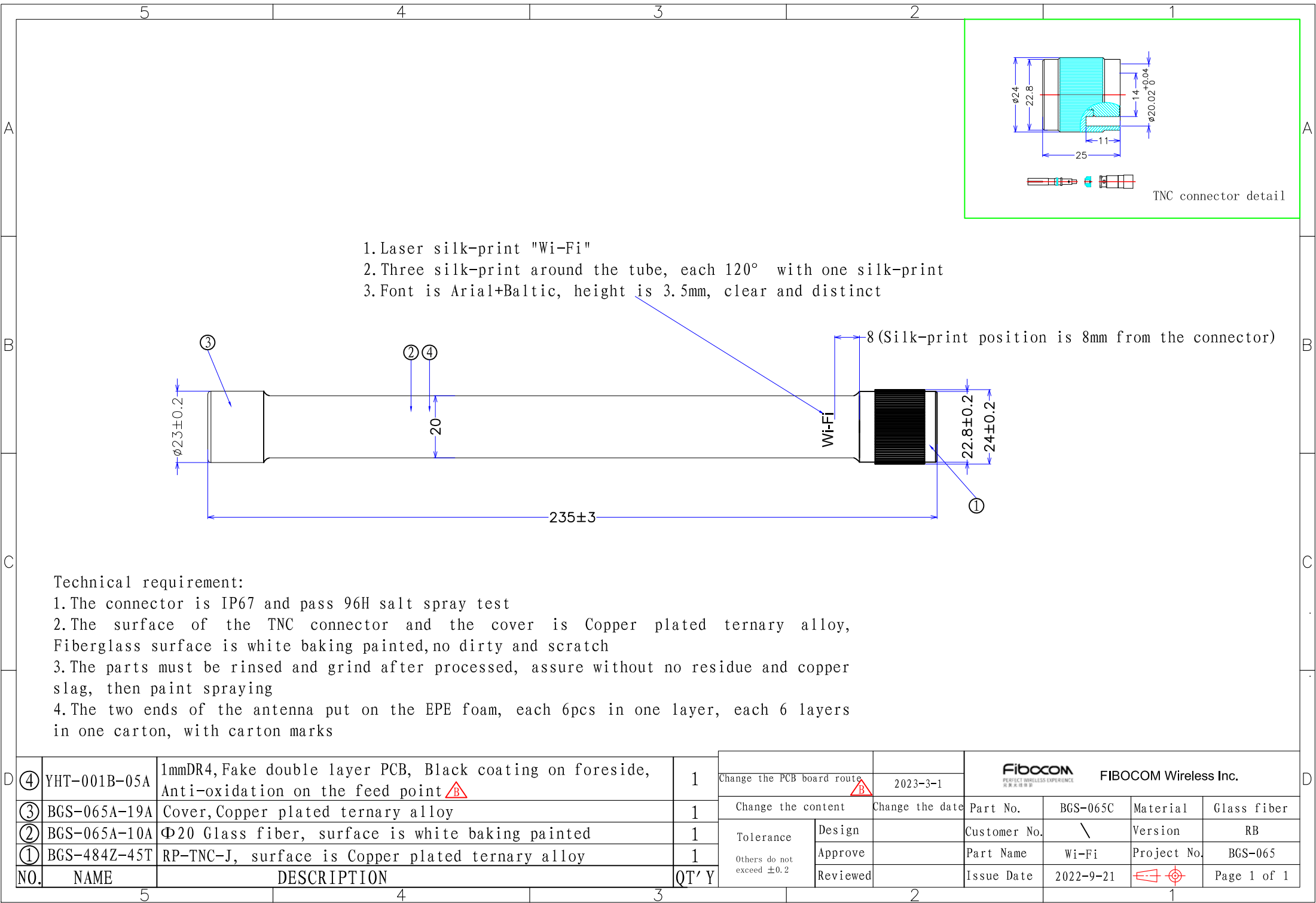


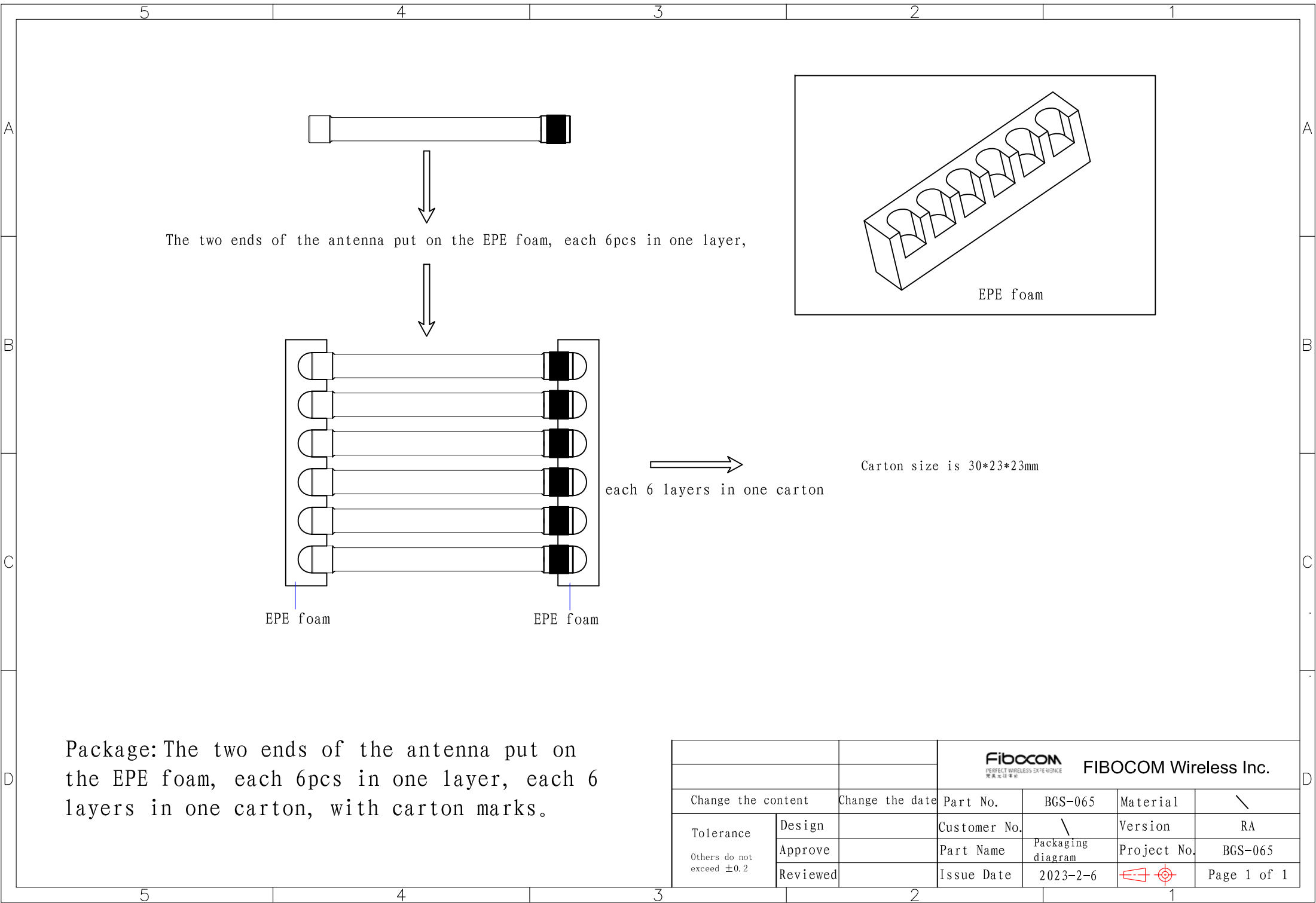
2500.000MHz E2



Sample picture:







The two ends of the antenna put on the EPE foam, each 6pcs in one layer,

Carton size is 30*23*23mm

each 6 layers in one carton

Package:The two ends of the antenna put on the EPE foam, each 6pcs in one layer, each 6 layers in one carton, with carton marks。

			Fibocom PERFECT WIRELESS EXPERIENCE 完美无线体验 FIBOCOM Wireless Inc.			
Change the content		Change the date	Part No.	BGS-065	Material	\
Tolerance Others do not exceed ±0.2	Design		Customer No.	\	Version	RA
	Approve		Part Name	Packaging diagram	Project No.	BGS-065
	Reviewed		Issue Date	2023-2-6		Page 1 of 1

Product Materials Ingredient Declaration Form

Product Description		WiFi Fiberglass Antenna/BGS-065C(RB version)	MPN		210300000031			Declaration Date		2023/3/17
Company Name		FIBOCOM Wireless Inc.	Contact person		Zhang Ming			Phone NO.		0755-86083452
NO.	Part name	Homogeneous Material Name	The homogeneous material contains the value of RoHS restricted substance （ppm）						Certification number	Test date
			Cd	Pb	Hg	Cr+6	PBB	PBDE		
1	FRP external	Unsaturated Polyester Resin	ND	18	ND	ND	ND	ND	CANEC2213886402	2022/7/1
2	TNC Connector	bronze	ND	37693	ND	ND	ND	ND	SHAEC2215226310	2022/10/31
3		PTFE	ND	ND	ND	ND	ND	ND	CANEC2227078704	2022/12/28
4	PCB	FR4	ND	ND	ND	ND	ND	ND	CANEC2221844508	2022/10/24
5		UV text ink	ND	ND	ND	ND	ND	ND	C230217057002-1	2023/2/17
6		UV solder resist ink	ND	ND	ND	ND	ND	ND	C230217057001-1	2023/2/17
7	Wire	metal	ND	ND	ND	ND	ND	ND	A2230079122101002E	2023/3/7
8		nonmetal	ND	ND	ND	ND	ND	ND	A223007912210101ER1	2023/3/7
9		Fluoroplastics	ND	ND	ND	ND	ND	ND	A223079122103001E	2023/3/10

Notes:

Material analysis expansion table is similar to our company's machine type BOM, which describes the composition of each material provided by the supplier, and then conducts RoHS control on each component (or the supplier shall conduct RoHS compliance management on his supplier, and provide tripartite inspection certificate).

A complete material analysis expansion table that includes:

1. Material expansion table: component composition decomposition
2. Third-party verification report of each component