

Antenna Specification

• **Manufacturer: Shenzhen PIPA antenna design Co.,LTD.**

Address of manufacturer: Junxiangda Office Building A204,Zhongshan
Road No. 9,Nanlian Community,Nantou Street, Nanshan District, Shenzhen City,
Guangdong Province

2.1 Basic Specifications

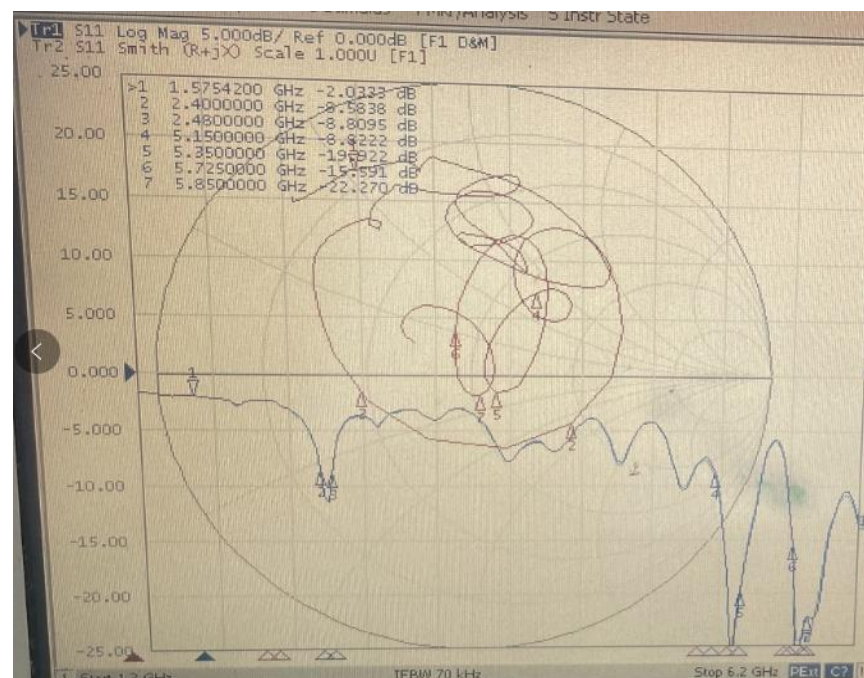
No.	Specification	Descriptions	Notes
1	Antenna model	PF0283-StationPC-WIFI1-FPC-A5 PF0283-StationPC-WIFI2-FPC-A5	
2	Antenna type	WIFI Antenna-PIFA	
3	Operation Frequency	WIFI:2.4-2.483GHz 5.15-5.85GHz BT:2.4-2.483GHz	
4	Impedance	50ohm	
5	MAX Gain	WIFI1:2.4G: 1.14dBi, 5.8G: 4.33dBi WIFI2:2.4G: 0.79dBi, 5.8G: 2.39dBi	
6	Efficiency	$\geq 25\%$	
7	VSWR	≤ 5	
8	Material quality	FPC	
9	Connector Type	IPEX-4	
10	Cable length (mm)	WiFi1-56mm WiFi2-95mm	
11	Cable Colour	Black	

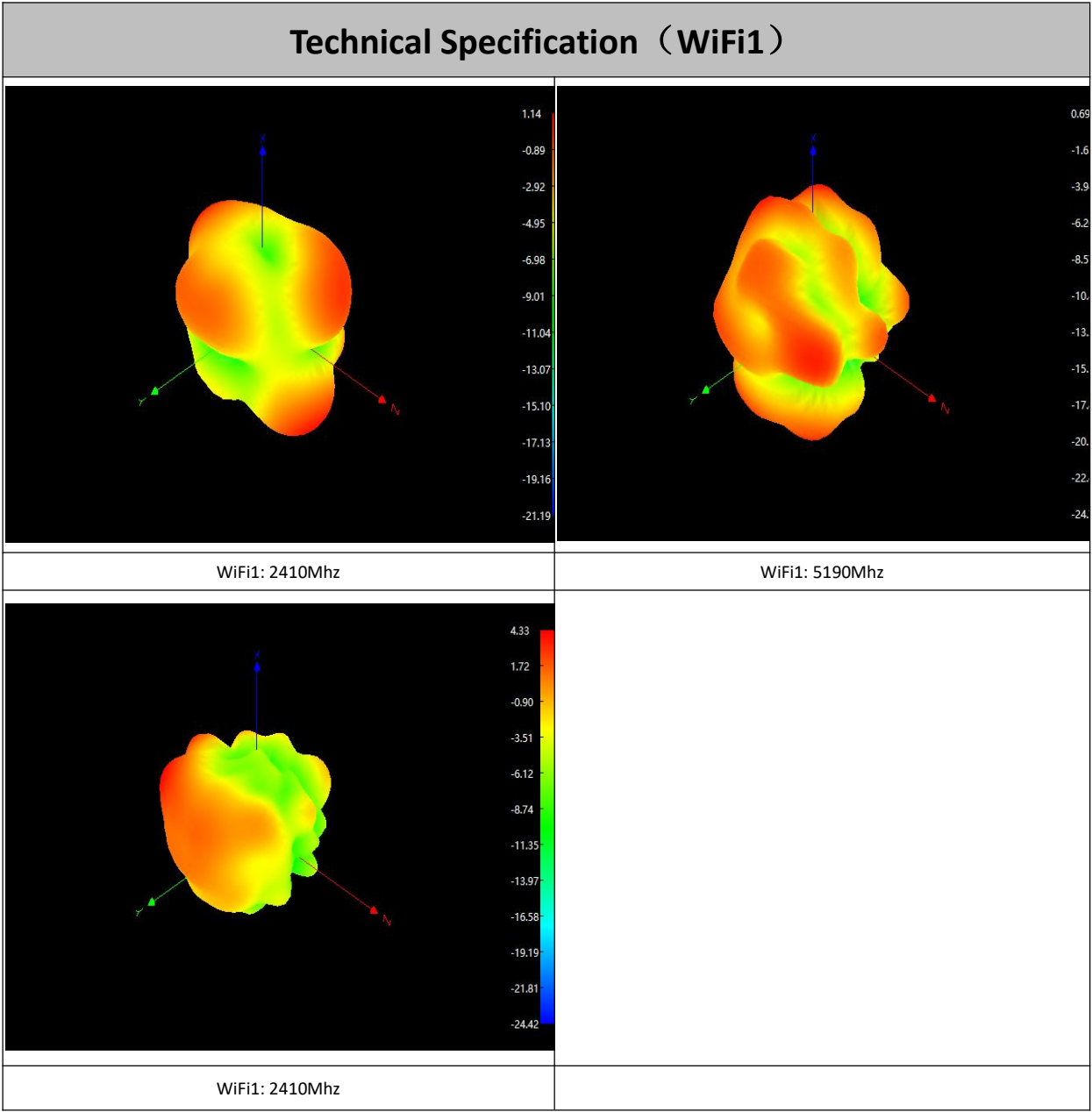
1.2 radiation pattern

WiFi1

Frequency/ Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi	Frequency/ Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
2400	-4.58	34.83	1.09	5330	-5.82	26.18	-0.34
2410	-4.48	35.65	1.14	5350	-5.55	27.86	-0.37
2420	-4.16	38.37	1.1	5500	-4.76	33.43	1.42
2430	-4.1	38.9	1.07	5520	-4.67	34.14	2.91
2440	-4.01	39.72	1.12	5540	-4.68	34.05	2.24
2450	-3.94	40.36	1.06	5560	-4.61	34.61	2.37
2460	-3.96	40.18	1.01	5580	-4.54	35.15	3.15
2470	-3.95	40.27	0.79	5600	-4.53	35.23	2.72
2480	-3.8	41.69	1.01	5620	-4.54	35.18	2.93
2490	-3.74	42.27	1.05	5640	-4.64	34.37	3.06
2500	-3.89	40.83	1.1	5660	-4.64	34.36	1.78
5150	-4.92	32.21	0.44	5680	-4.89	32.43	3.46
5170	-5.29	29.58	0.39	5700	-4.42	36.15	3.93
5190	-5.26	29.79	0.69	5725	-4.29	37.24	4.33
5210	-5.66	27.16	0.5	5745	-4.5	35.48	4.14
5230	-5.63	27.35	0.58	5765	-4.43	36.06	4.18
5250	-5.53	27.99	0.56	5785	-4.21	37.93	4.22
5270	-5.72	26.79	0.29	5805	-4.46	35.81	3.83
5290	-5.62	27.42	0.16	5825	-4.43	36.06	3.69
5310	-5.54	27.93	0.16	5845	-4.47	35.73	3.46

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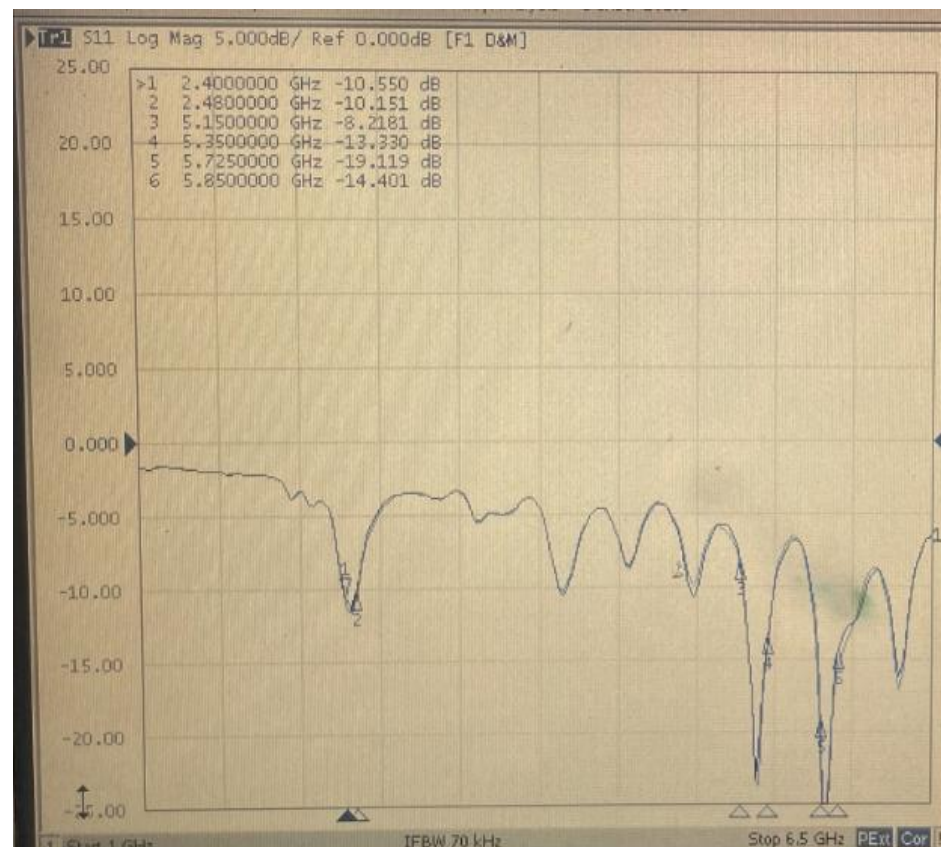


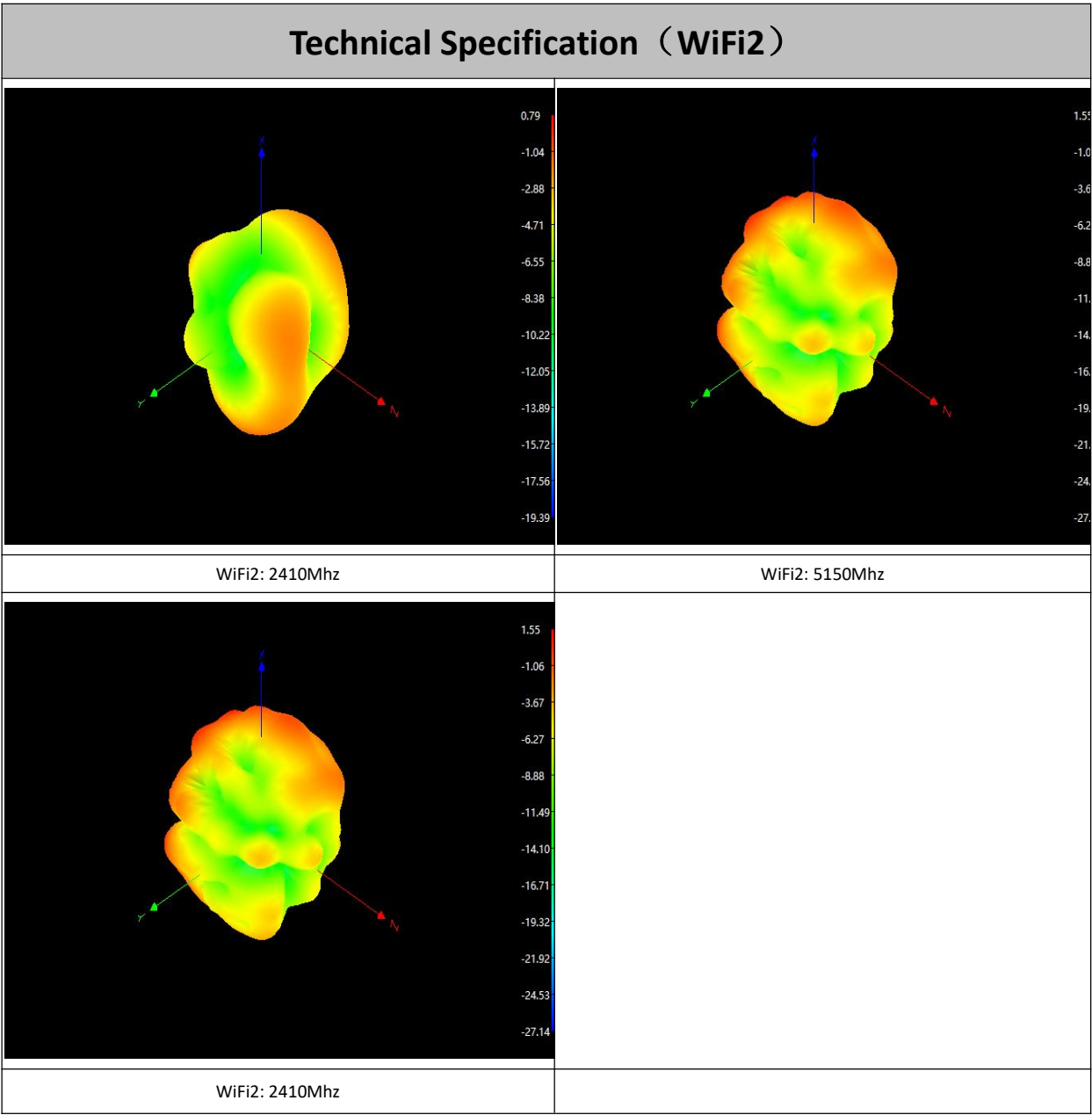


WiFi2

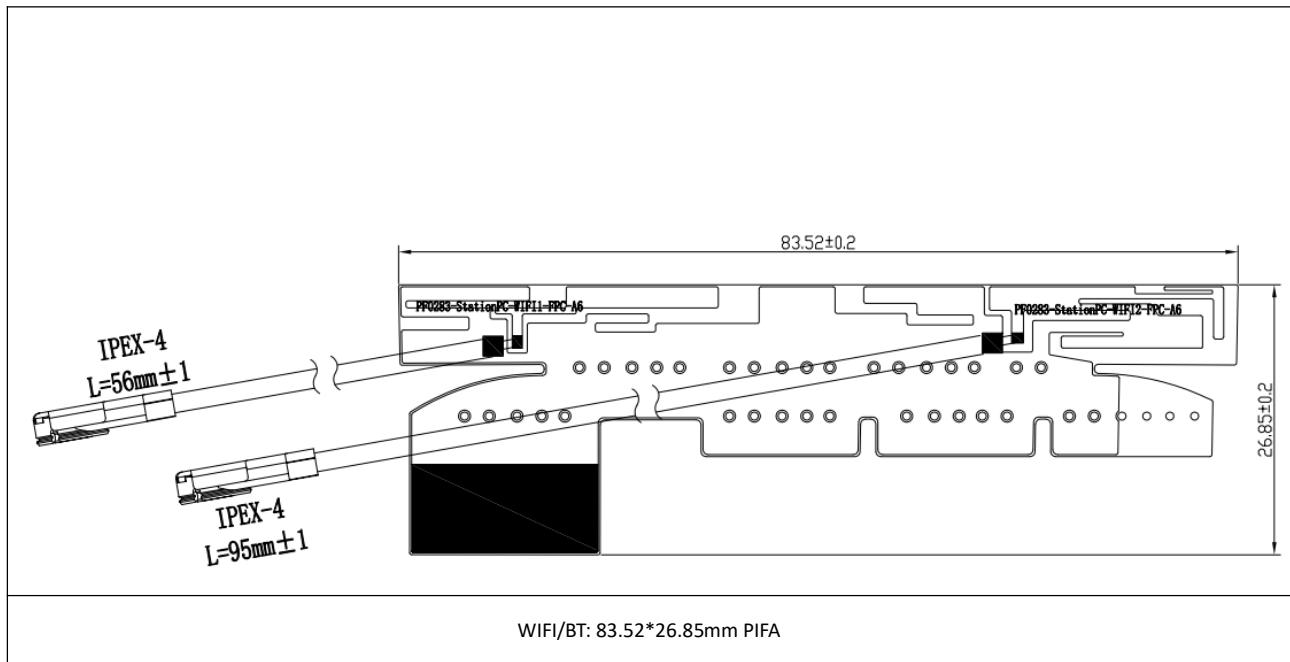
Frequency/ Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi	Frequency/ Mhz	Efficien cy / dB	Efficien cy / %	MaxGain/ dBi
2400	-4.44	36	0.71	5350	-4.59	34.72	2.15
2410	-4.49	35.53	0.79	5500	-5.62	27.42	1.32
2420	-4.36	36.61	0.54	5520	-5.63	27.35	1.43
2430	-4.34	36.79	0.58	5540	-5.51	28.14	1.64
2440	-4.37	36.55	0.38	5560	-5.46	28.43	0.98
2450	-4.33	36.92	0.26	5580	-5.43	28.61	0.84
2460	-4.41	36.24	0.09	5600	-5.33	29.32	2.13
2470	-4.40	36.3	0.07	5620	-5.31	29.43	2.32
2480	-4.28	37.29	0.08	5640	-5.15	30.52	2.36
5150	-4.10	38.91	1.55	5660	-5.20	30.19	1.97
5170	-4.15	38.44	1.4	5680	-5.07	31.14	2.15
5190	-4.10	38.91	1.33	5700	-5.04	31.36	2.33
5210	-4.26	37.54	0.99	5725	-4.72	33.71	2.21
5230	-4.26	37.48	0.87	5745	-4.96	31.92	2.07
5250	-4.65	34.31	1.3	5765	-5.02	31.49	2.22
5270	-4.82	32.99	1.23	5785	-4.99	31.73	2.39
5290	-4.67	34.11	1.62	5805	-5.29	29.55	2.2
5310	-4.60	34.65	1.89	5825	-5.41	28.77	2.13
5330	-4.77	33.31	1.84	5845	-5.41	28.77	2.11

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1.3 Antenna Size



1.4 Physical picture

