

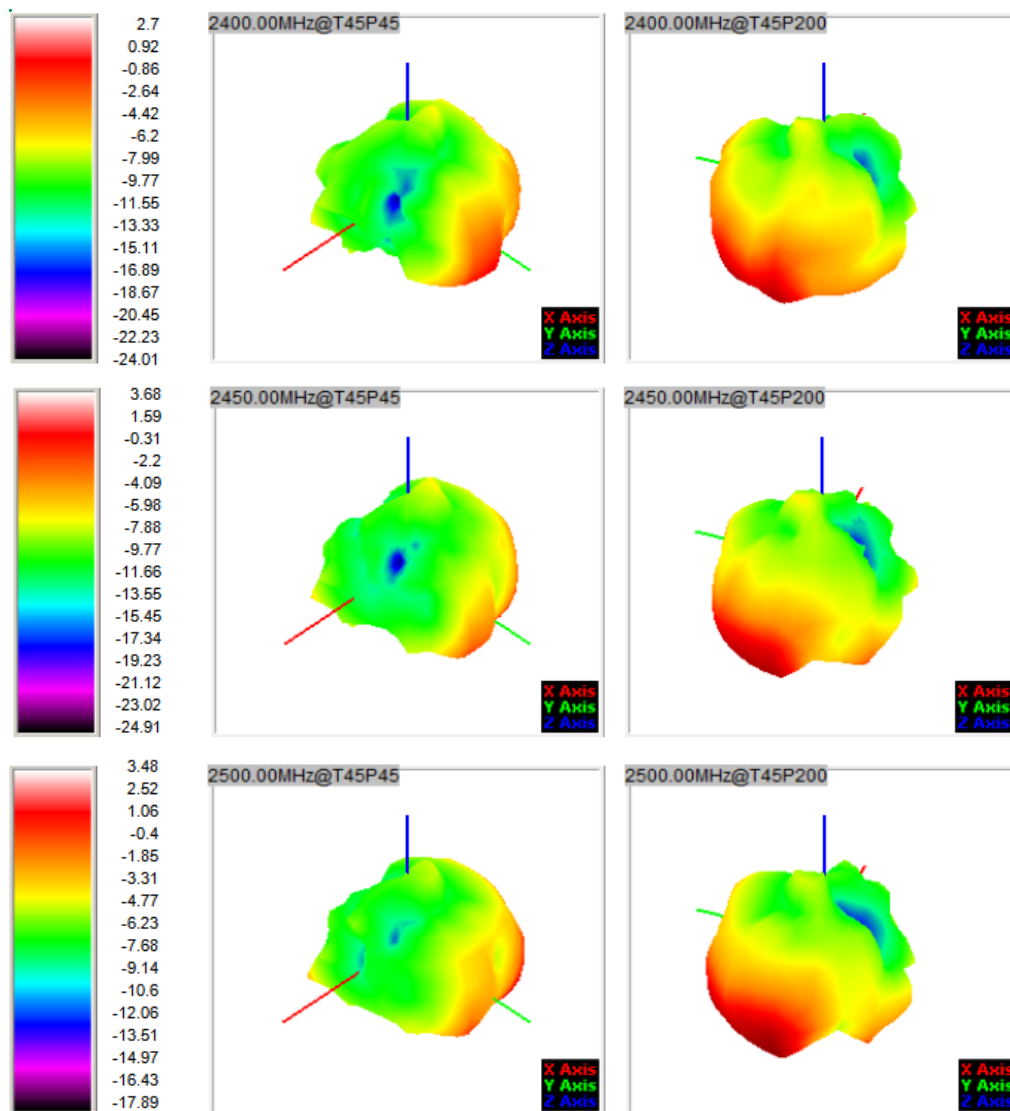
Antenna Acknowledgment Form

Manufacturer	Shenzhen Yunzhi Shang Technology Co., Ltd.		
Specification description			
	Product Contents	Specification	Customer Material Code
Specification description	Bluetooth antenna	FPC / Black / Character JSC-30R001D + First-generation terminal 1.13 * 700mm	
Change resume			
Serial Number	Date	Version	Summary of Changes
1	2025-12-17	V1.0	New project
2			
3			

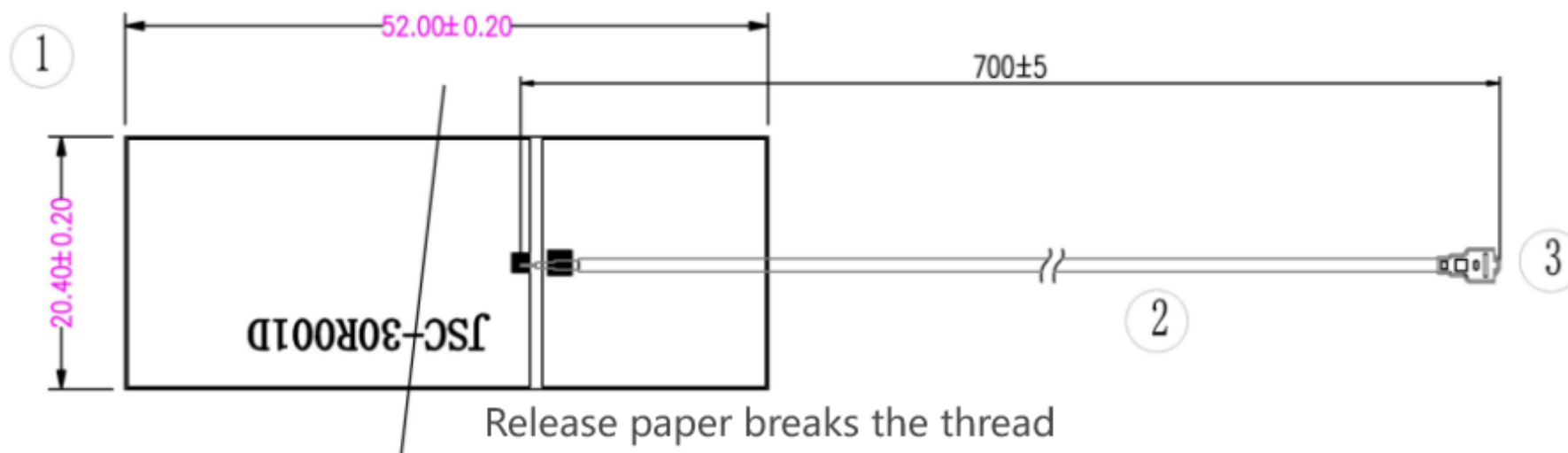
2400MHz~2500MHz BLE Antenna gain efficiency

FETUKEII											
Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-5.11	-4.86	-4.99	-4.85	-4.61	-4.50	-4.72	-4.77	-4.90	-4.14	-3.94
Peak EIRP (dBm)	2.70	3.27	3.09	3.17	3.49	3.48	3.87	3.84	3.98	3.67	3.98
Directivity (dBi)	7.81	8.13	8.07	8.02	8.10	7.98	8.08	7.91	7.87	7.80	7.91
Efficiency (dB)	-5.11	-4.86	-4.99	-4.85	-4.61	-4.50	-4.22	-4.07	-3.90	-4.14	-3.94
Efficiency (%)	30.90	32.70	31.70	32.70	34.60	35.40	37.90	39.20	40.80	38.60	40.40
Gain (dBi)	2.70	3.27	3.09	3.17	3.49	3.68	3.67	3.44	3.58	3.67	3.48
NHPRP $\pm \pi/4$ (dBm)	-5.79	-5.55	-5.71	-5.59	-5.36	-5.25	-4.95	-4.79	-4.60	-4.85	-4.64
NHPRP $\pm \pi/6$ (dBm)	-7.01	-6.78	-6.95	-6.80	-6.59	-6.46	-6.18	-6.00	-5.84	-6.08	-5.87
NHPRP $\pm \pi/8$ (dBm)	-8.08	-7.86	-8.03	-7.86	-7.69	-7.54	-7.29	-7.09	-6.93	-7.15	-6.92
Upper Hem. PRP (dBm)	-9.66	-9.62	-9.69	-9.62	-9.55	-9.58	-9.43	-9.32	-9.15	-9.15	-8.99
Lower Hem. PRP (dBm)	-6.98	-6.62	-6.78	-6.62	-6.30	-6.12	-5.77	-5.61	-5.43	-5.78	-5.56
Upper Hem. PRP (%)	10.82	10.91	10.74	10.92	11.09	11.03	11.41	11.68	12.16	12.16	12.62
Lower Hem. PRP (%)	20.03	21.76	20.99	21.80	23.47	24.42	26.46	27.50	28.62	26.40	27.78

2400MHz~2500MHz BT Antenna Apple Diagram



Engineering drawing



Serial number	Part name	Specification	Dosage	Material
1	FPC	One and a half pieces of material, 9471 adhesive backing, black oil	1	Piki Village + electrolytic copper
2	Semi-finished wire	Black Diameter 1.13 coaxial, Black	1	Double tin wire
3	Terminal	That is, the first generation: gold-plated	1	Phosphor copper