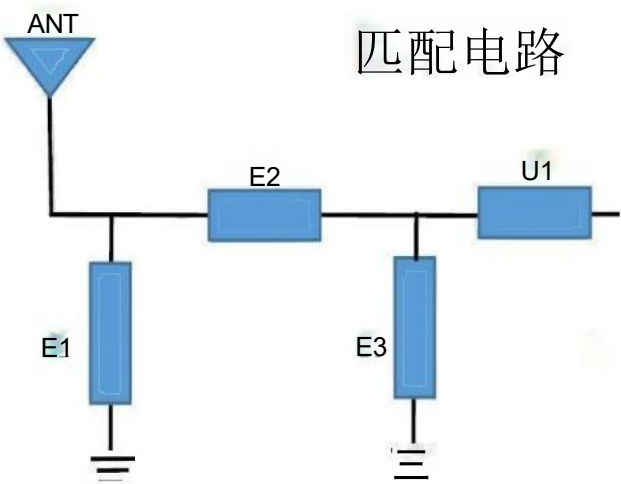


The main purpose of this report:Feedback prototype debugging

Main conclusions of this report:The free-space efficiency is about 31%

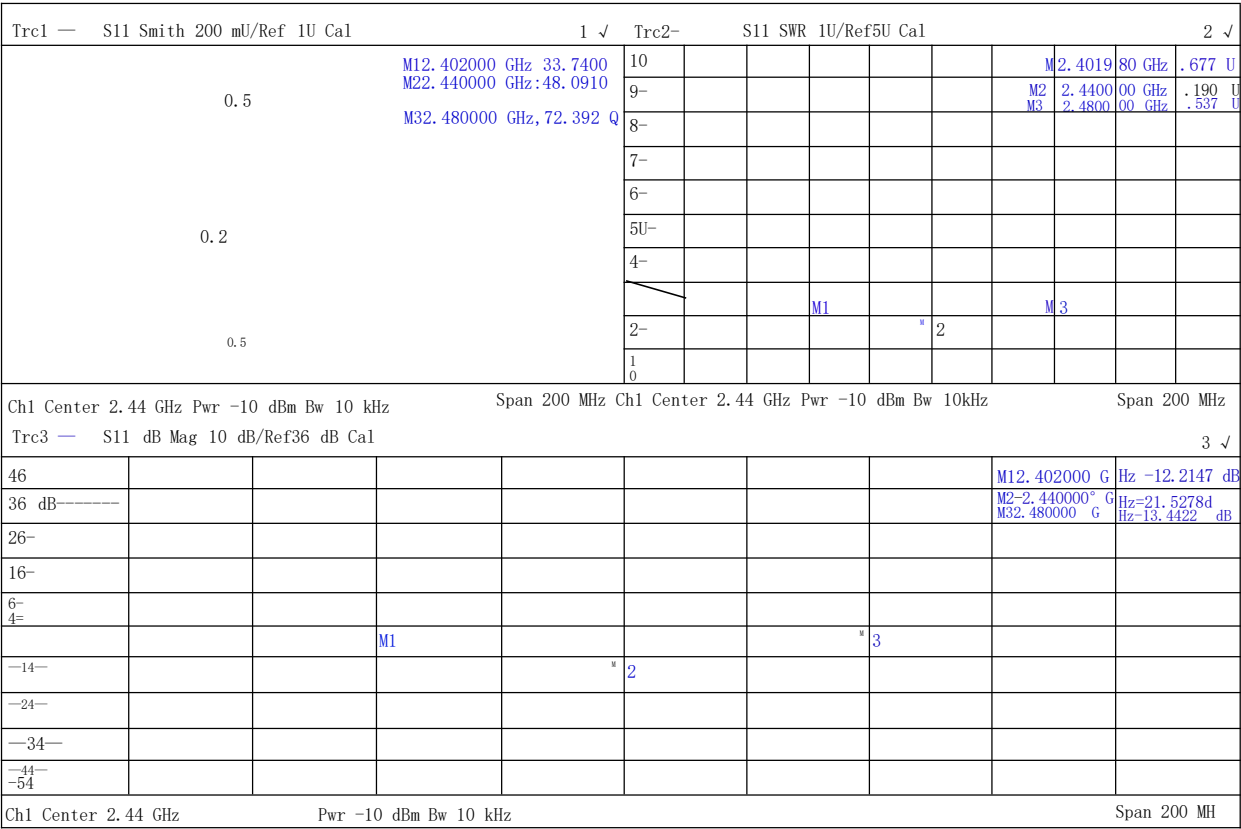
Key notes in this report:Modification of antenna length and modification of matching circuit

Schematic Diagram of Antenna Matching Circuit Modification



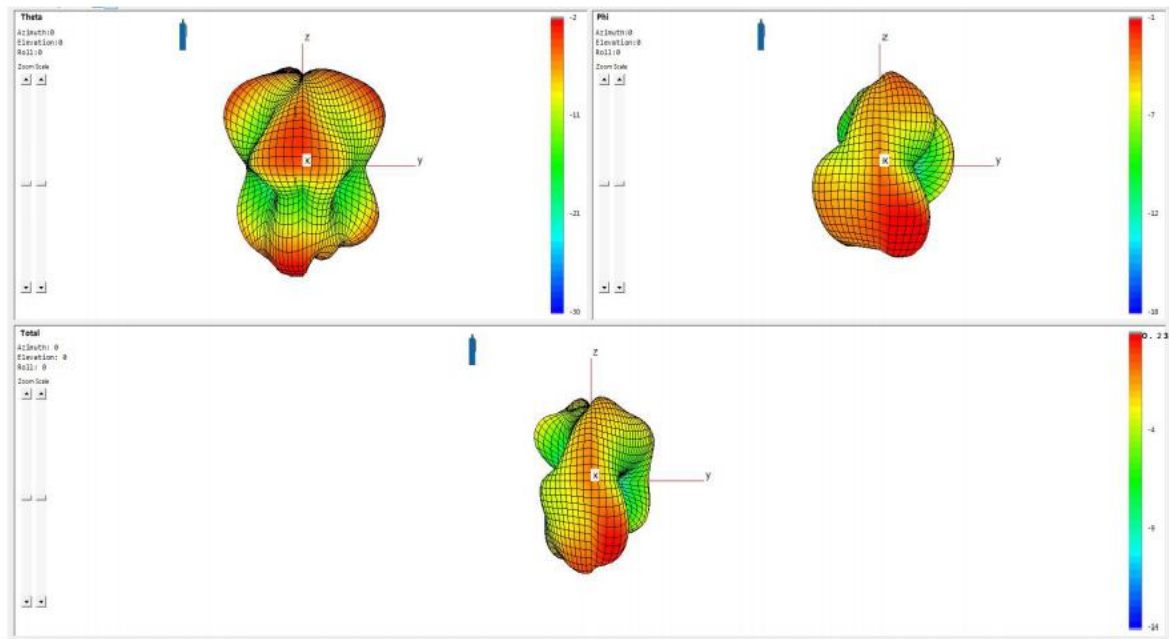
Element	Value
E1	N/A
E2	1.0nH
E3	N/A
U1	0R
E4	N/A
E5	N/A
E6	N/A

SWR&Smith&Log Mag Parameter

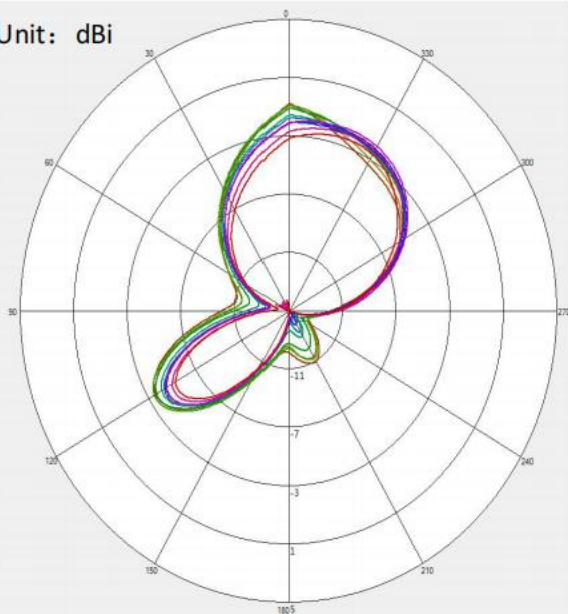


Antenna Efficiency Parameters

频点	增益dBi	效率dB	效 率 %
2400	0.02	-4.89	32.44
2410	0.18	-4.79	33.21
2420	0.23	-4.73	33.63
2430	0.07	-4.88	32.53
2440	-0.26	-5.11	30.83
2450	-0.38	-5.16	30.46
2460	-0.64	-5.44	28.60
2470	-0.62	-5.37	29.05
2480	-0.69	-5.35	29.16
平均值	-0.23	-5.08	31.10

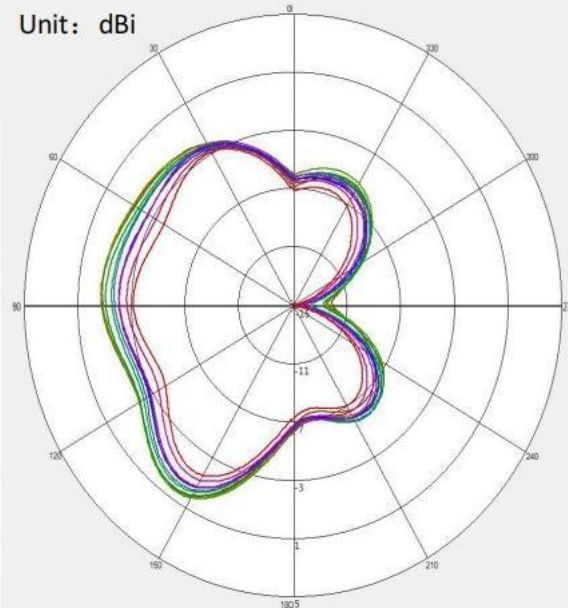


Unit: dBi

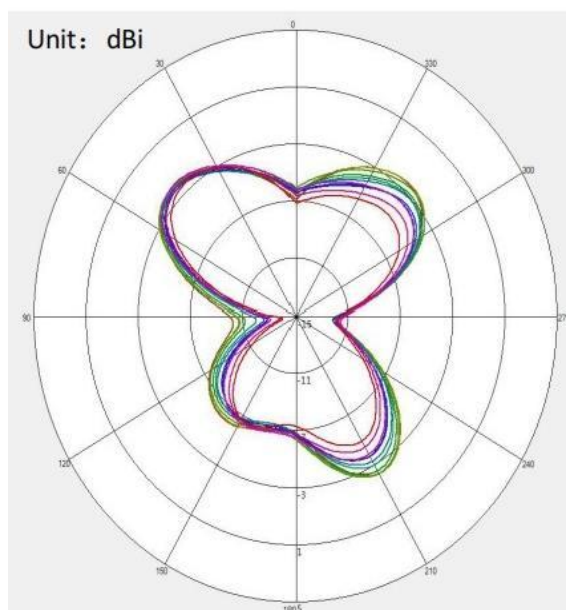


Visible	Theta	Frequen	Front-to	Beam	Beam	Beam
			Ratio	Width	Width	Width
✓	30	2400	0.176	52	30	12
✓	30	2410	0.166	57	37	20
✓	30	2420	0.157	71	30	21
✓	30	2430	0.146	74	31	22
✓	30	2440	0.213	79	36	23
✓	30	2450	0.252	81	38	23
✓	30	2460	0.238	83	39	24
✓	30	2470	0.229	84	30	24
✓	30	2480	0.230	83	30	53
✓	30	2490	0.102	80	39	51
✓	30	2500	0.916	78	38	50

Unit: dBi



Visible	Phi	Frequen	Front-to	Beam	Beam	Beam
			Ratio	Width	Width	Width
✓	30	2400	0.011	143	170	15
✓	30	2410	0.744	142	127	15
✓	30	2420	0.549	143	128	15
✓	30	2430	0.700	143	128	15
✓	30	2440	0.570	144	129	15
✓	30	2450	0.570	146	131	15
✓	30	2460	0.517	148	132	16
✓	30	2470	0.664	149	133	16
✓	30	2480	0.427	152	135	17
✓	30	2490	0.426	153	136	17
✓	30	2500	0.552	154	137	17



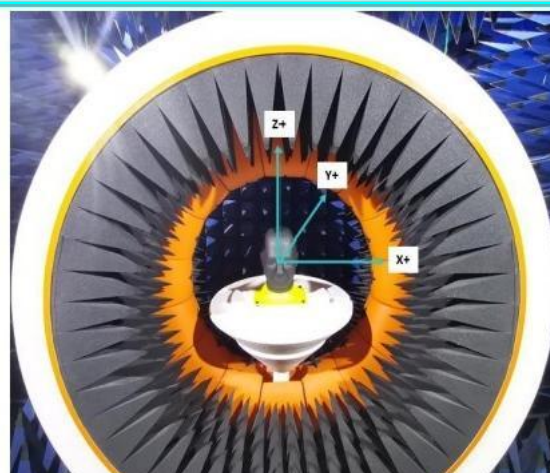
		requ			
			922		
			854		
		430	0624	45	
				39	
	80	46	446	69	
			630		
			997		
			447	6	
		500	904	60	24 36

OTA Parameters

Darkroom Test Axis Diagram(Free



Darkroom Test Axis Diagram



1# (Free)	Channel	RP (dBm)	TIS (dBm)
Free	CH 0	10.8	-95.3
	CH 39	12.9	-94.5
	CH 78	10.5	-91.5

1# (Head)	Channel	RP (dBm)	TIS (dBm)
Head	CH 0	9.8	-92.5
	CH 39	11.8	-93.2
	CH 78	9.3	-90.3

List of RF key components

No.	Key component name	Model	Specifications	Vedor	spare parts
1	Antenna	PCB Antenna	/	/	
2	IC	BT8922B2		Bluetrum	
3	Crystal Oscillator	24MHZ	±10PPM/8PF		

Generanal Information

Mode	K750W
Antenna	PCB Antenna
Frequency range	2400-2480MHz
Mode	K750W
Manufacturer	Dongguan Edifier Technology Co., Ltd.
Address	No.2 Gongyedong Road, Songshan Lake Sci.&Tech. Industry Park, Dongguan, 523808 Guangdong, P.R. China