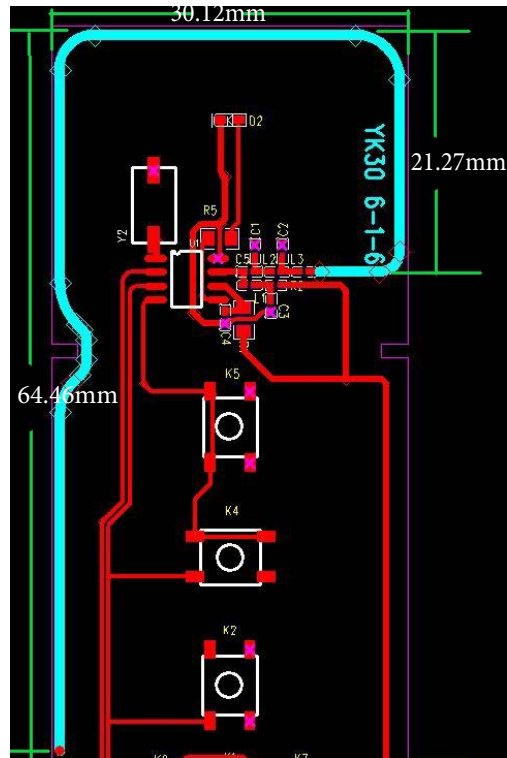


I. Product specifications

aerial



Second, the electrical performance

1. standard

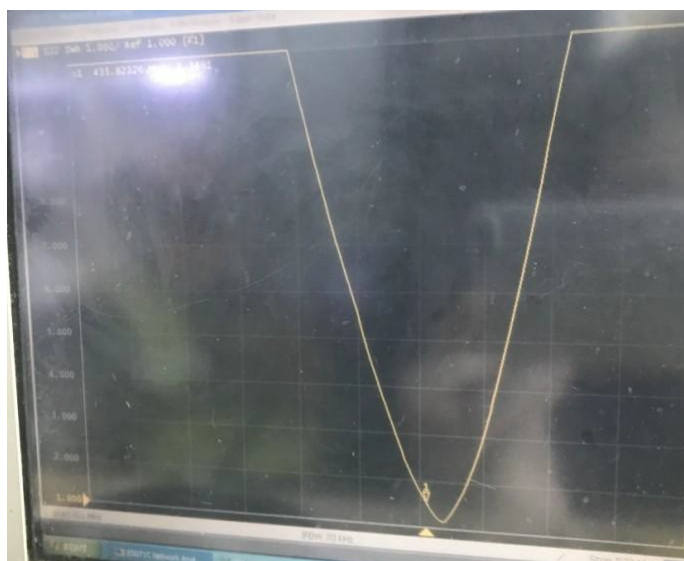
paramet er	demand
frequency range	433.92
input impedanc e	50 ohms
standing- wave ratio	1.54
Polarizati on type	
radiation direction	

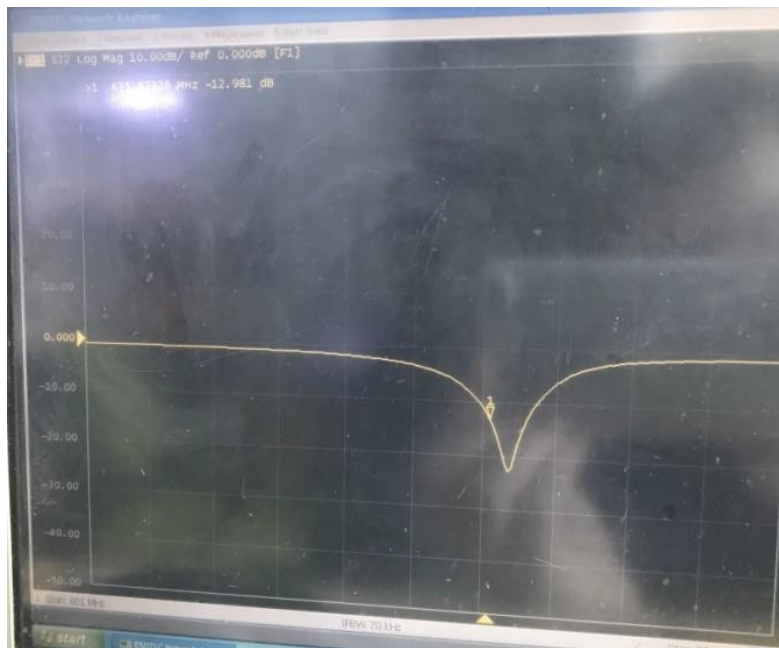
efficiency	thirty percent
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2. Efficiency and gain

frequency Frequency (MHz)	gain Gain (dBi)	Mingain minimum gain (dBi)	efficiency Efficiency (dBi)	efficiency Efficiency (%)
430	-2.35	-12.66	-5.49	28.22
431	-2.35	-12.54	-5.43	28.66
432	-2.29	-12.42	-5.25	29.84
433	-2.27	-12.65	-5.1	30.90
434	-2.22	-12.54	-5	31.63
435	0.00	-12.41	-4.9	32.38
436	-2.57	-13.12	-5.45	28.53
437	-2.86	-13.72	-5.87	25.90
438	-3.02	-14.08	-6.11	24.50
439	-3.1	-14.25	-6.2	24.00
440	-3.03	-14.26	-6.14	24.30

Third, S11 parameter test





2. Pattern

