

APPROVAL SPECIFICATION

Product : Magnet mount antenna

Model Name : 31125

Date : 2022-11-15

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1. Manufacturer

Shenzhen kenhaitong antenna technology co,Ltd.

2. Model Name

- Basic Model: **311125**

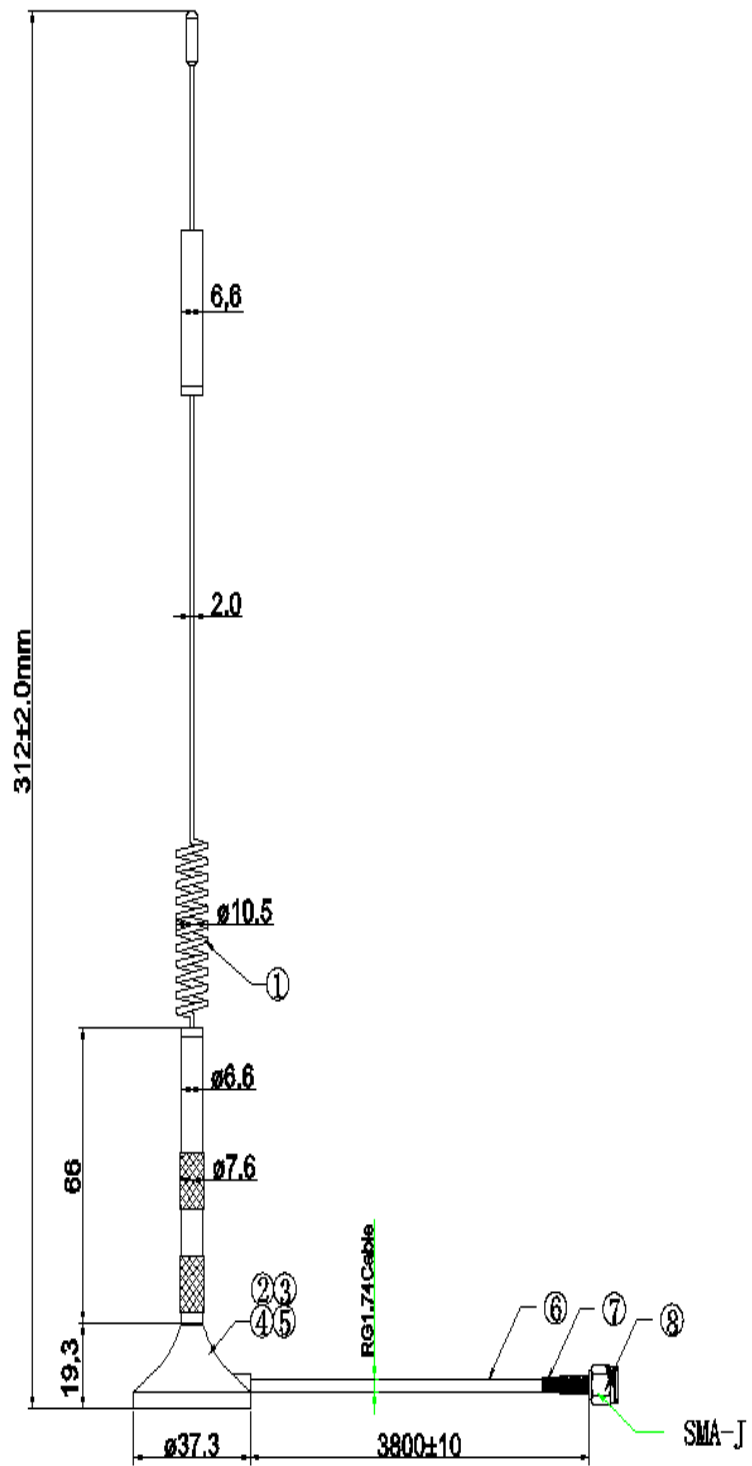
3. Electric Performance Data

3.1 Specification Sheet

Technical Parameters					
Model	Sucker Antenna-4G				
Frequency Range-MHz	698-788	824-890	890-960	1710-1880	1850-2170
Bandwidth-MHz	90	70	70	170	320
Gain-dBi	-3.26	-0.17	0.47	1.26	0.69
VSWR	≤2.0	≤1.8	≤1.8	≤1.5	≤1.5
Return loss	-10	-12	-11	-21	-23
Input Impedance -Ω	50				
Polarization mode	Vertical				
Max Power-W	50				
Connector Model	SMA-J				
Length-mm	313±2				
Cable Length -mm	3800±10				
Weight-g	115				

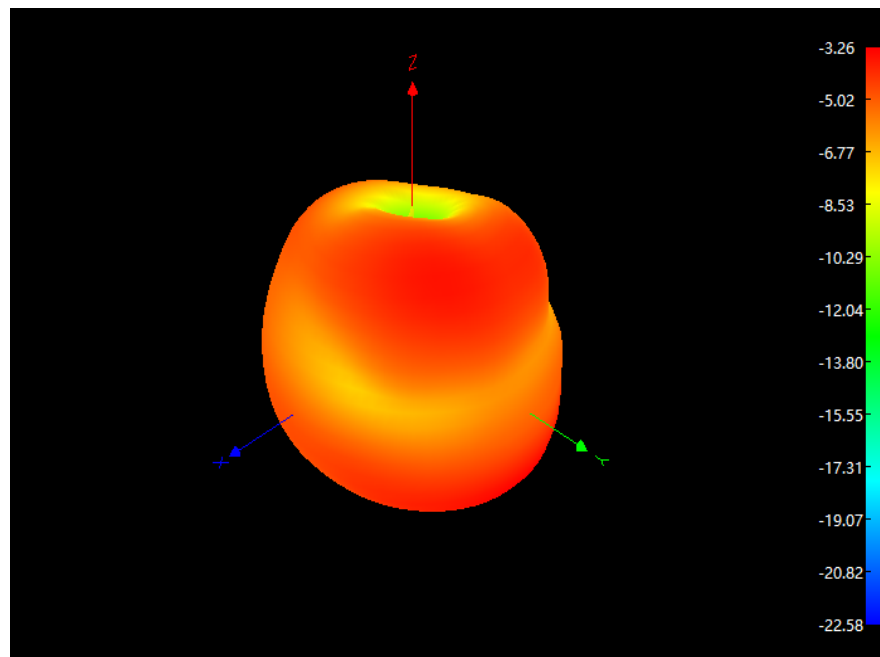
3.2 Antenna Pattern Drawing

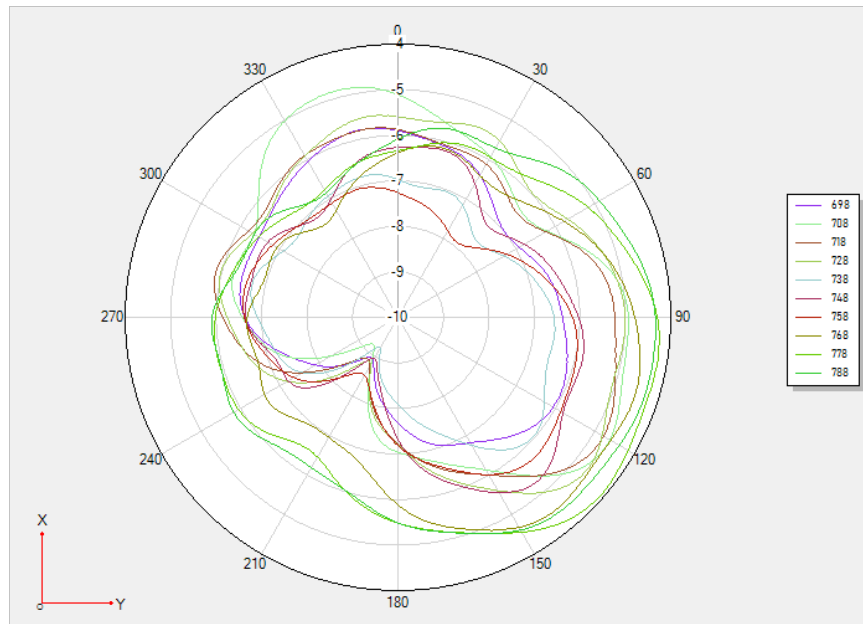
BOM			
QN	PART NAME	SURFACE	DOSAGE
1	Antenna shock	BLACK	1
2	Connecting link	BLACK	1
3	Lampstand	BLACK	1
4	Magnet	BLACK	1
5	Paster	BLACK	1
6	RG1.74Cable	BLACK	1
7	Heat shrink tubing	BLACK	1
8	SMA PLUG	BLACK	1



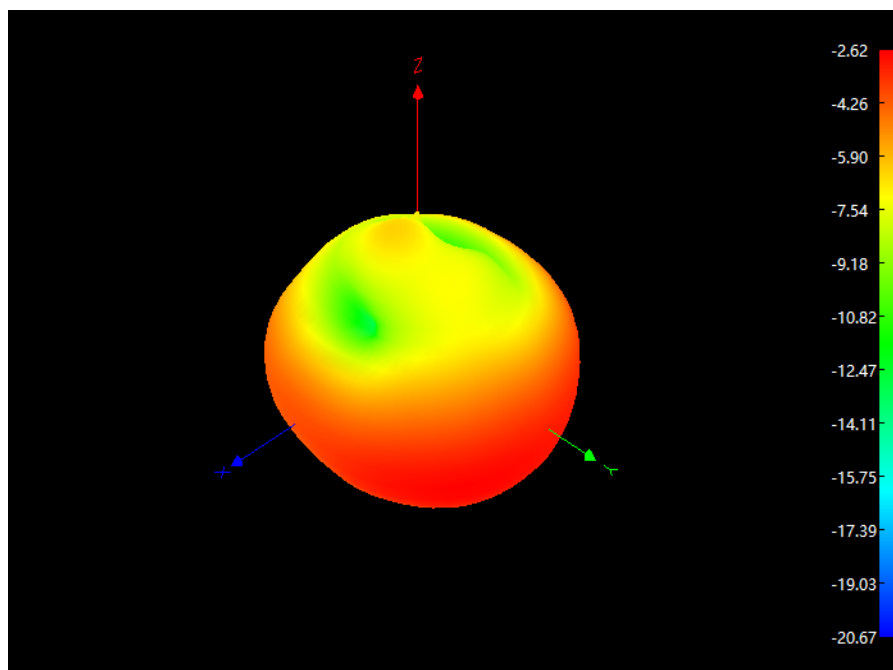
3.3 Detail test log

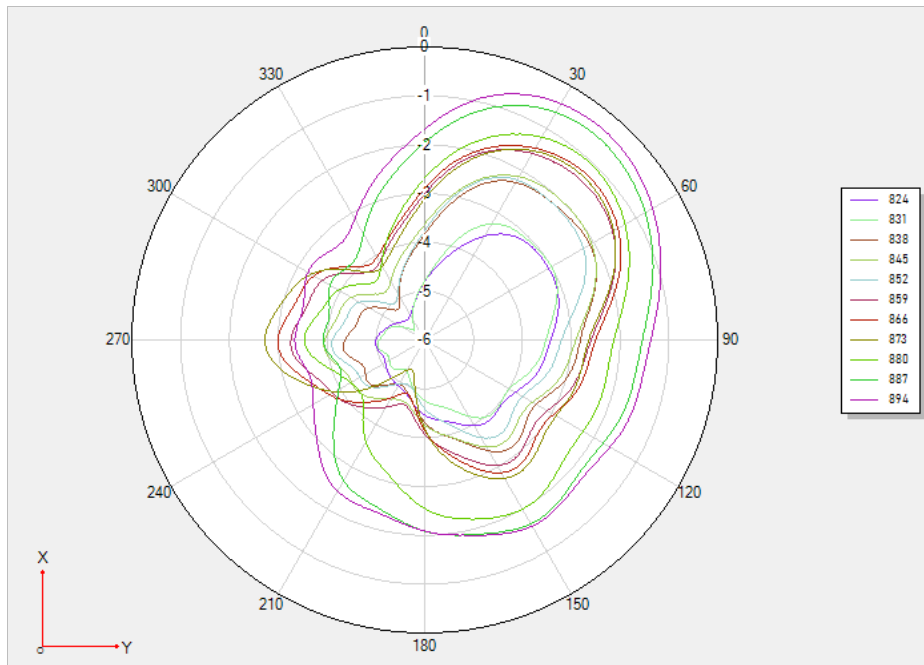
Frequency / MHz	Gain/ dB	Efficiency / %
698	-3.26	27.99
708	-3.35	27.86
718	-4.07	24.1
728	-3.86	24.72
738	-5.61	18.16
748	-5.02	19.05
758	-5.71	15.42
768	-4.48	18.11
778	-4.08	18.41
788	-4.2	17.82



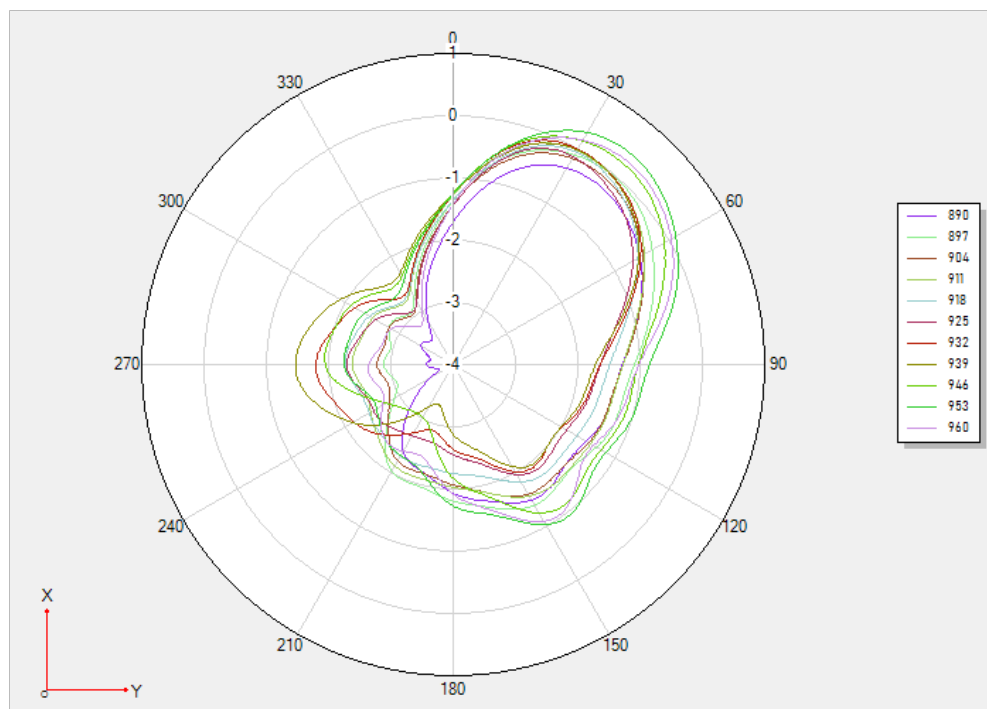
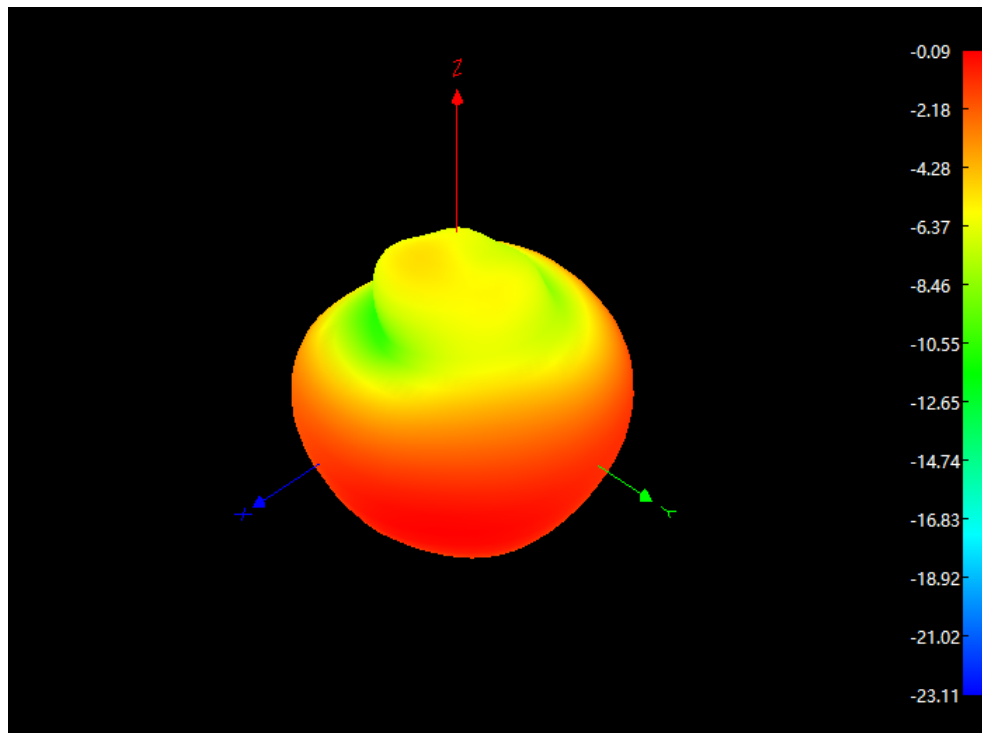


Frequency / MHz	Gain/ dB	Efficiency / %
824	-2.62	18.92
831	-2.49	18.54
838	-1.71	22.49
845	-1.6	21.38
852	-1.77	20.89
859	-1.16	23.99
866	-1.04	24.89
873	-1.06	24.49
880	-0.7	23.07
887	-0.32	25.64
894	-0.17	28.51



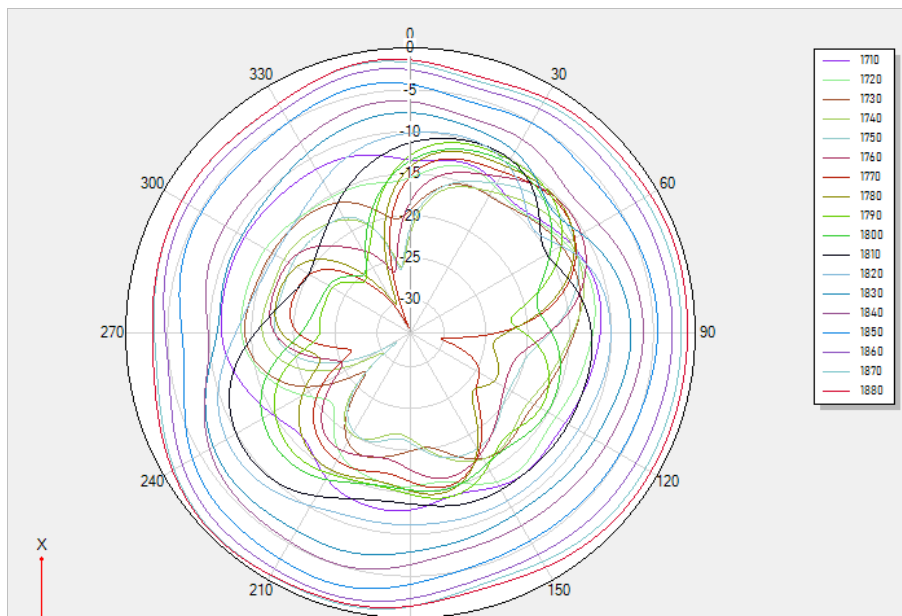
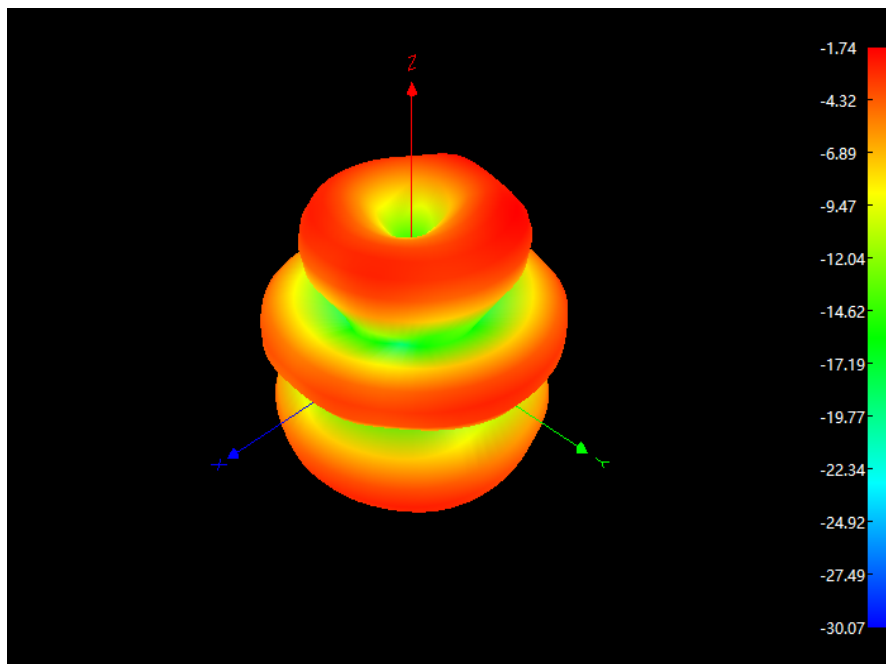


Frequency / MHz	Gain/ dB	Efficiency / %
890	-0.09	27.35
897	0.12	30.83
904	-0.02	31.33
911	0.12	32.73
918	0.07	33.27
925	-0.06	33.19
932	0.07	33.73
939	0.07	31.84
946	0.28	32.28
953	0.47	33.04
960	0.33	31.55

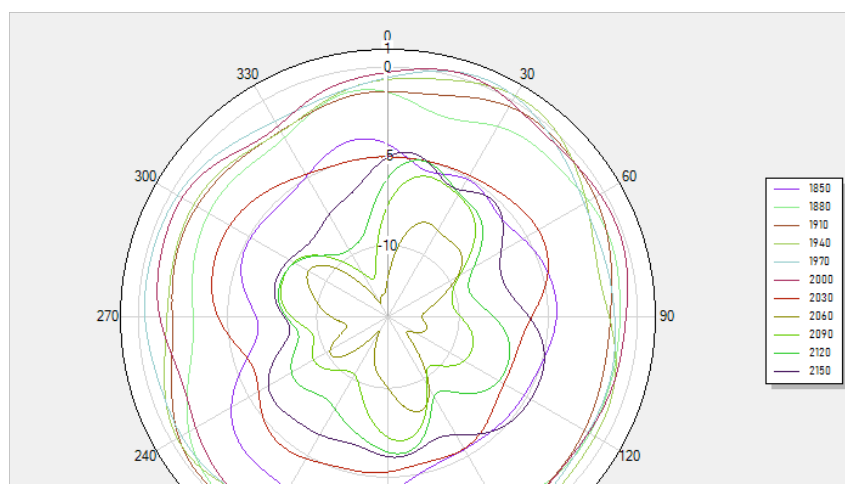
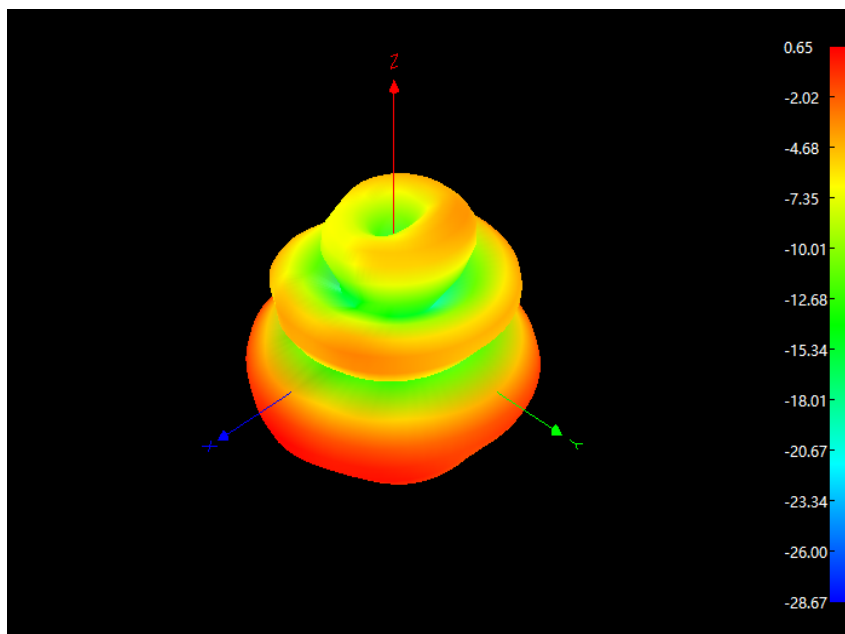


Frequency / MHz	Gain/ dB	Efficiency / %
1710	-1.74	24.72
1720	-2.19	24.43
1730	-2.14	23.88
1740	-2.48	21.33
1750	-1.71	22.18
1760	-1.38	22.86
1770	-1.54	22.13

1780	-1.26	23.66
1790	-0.83	24.43
1800	-0.6	26.3
1810	-0.54	24.6
1820	0	27.86
1830	0.35	29.58
1840	0.09	27.42
1850	0.63	29.04
1860	1.26	29.51
1870	1.12	27.54
1880	0.67	26.36



Frequency / MHz	Gain/ dB	Efficiency / %
1850	0.65	29.11
1880	0.69	26.42
1910	0.22	22.96
1940	0.57	23.88
1970	0.47	26.55
2000	0.25	27.73
2030	-2.97	14.26
2060	-3.43	13.9
2090	-3.32	16.29
2120	-3.47	18.41
2150	-3.51	19.28



4. ElectricalGraph(Returnloss)

