

PCB Antenna Specification

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Model: PCB Antenna

一、 Antenna size

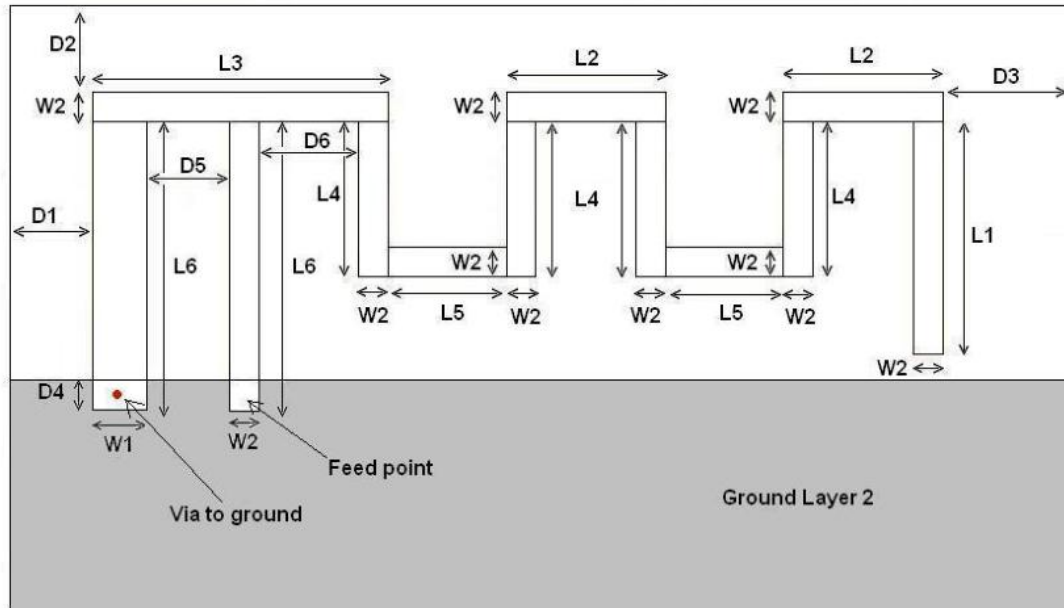


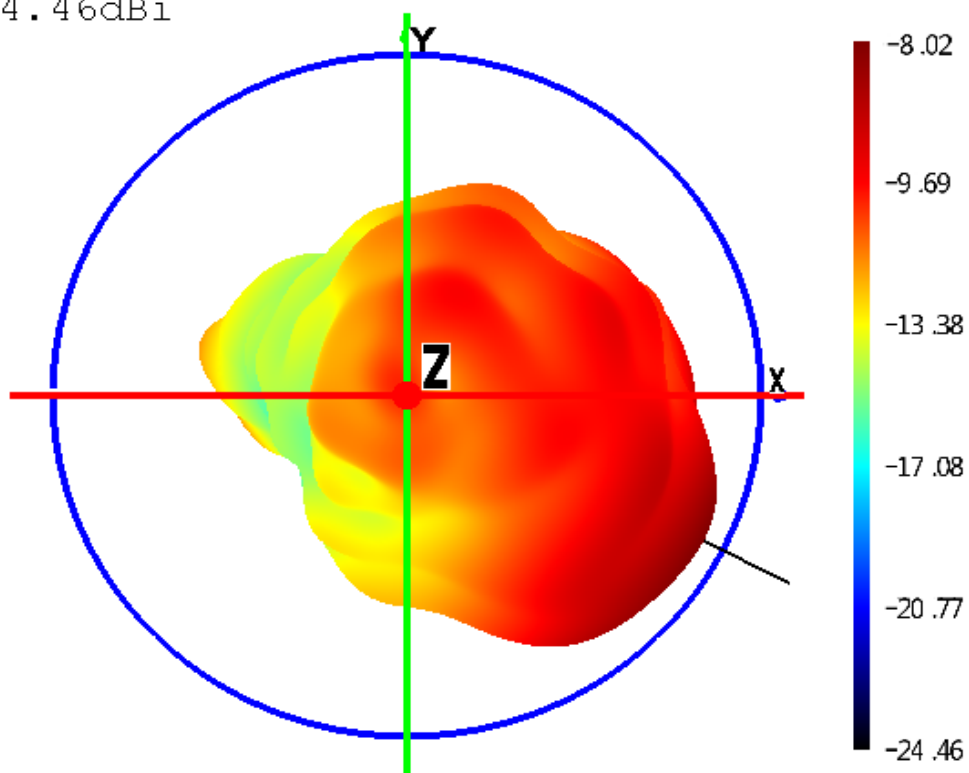
Figure 3: Antenna Dimensions

L1	3.94 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D1	0.50 mm
D2	0.30 mm
D3	0.30 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions

二、 Gain pattern

MAX: -8.02dBi
MIN: -24.46dBi



三、Efficiency&Gain

FEITUKE-II											
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)	-13.13	-13.46	-13.76	-13.62	-13.64	-13.91	-13.93	-13.97	-14.17	-13.86	-13.96
Peak EIRP (dBm)	-8.31	-8.36	-8.36	-8.02	-8.07	-8.40	-8.47	-8.85	-9.53	-9.40	-9.65
Directivity (dBi)	4.82	5.10	5.40	5.60	5.57	5.51	5.46	5.13	4.64	4.46	4.31
Efficiency (dB)	-13.13	-13.46	-13.76	-13.62	-13.64	-13.91	-13.93	-13.97	-14.17	-13.86	-13.96
Efficiency (%)	4.90	4.50	4.20	4.30	4.30	4.10	4.00	4.00	3.80	4.10	4.00
Gain (dBi)	-8.31	-8.36	-8.36	-8.02	-8.07	-8.40	-8.47	-8.85	-9.53	-9.40	-9.65
NHPRP ±Pi/4 (dBm)	-13.75	-13.84	-13.88	-13.57	-13.64	-13.91	-13.94	-14.18	-14.75	-14.51	-14.66
NHPRP ±Pi/6 (dBm)	-15.05	-15.12	-15.14	-14.83	-14.91	-15.18	-15.22	-15.46	-16.04	-15.79	-15.94
NHPRP ±Pi/8 (dBm)	-16.03	-16.08	-16.10	-15.80	-15.90	-16.19	-16.24	-16.49	-17.07	-16.80	-16.94
Upper Hem. PRP (dBm)	-15.88	-16.18	-16.45	-16.27	-16.25	-16.50	-16.49	-16.53	-16.71	-16.37	-16.45
Lower Hem. PRP (dBm)	-16.42	-16.78	-17.12	-17.03	-17.10	-17.39	-17.45	-17.49	-17.70	-17.43	-17.56
Upper Hem. PRP (%)	2.59	2.41	2.27	2.36	2.37	2.24	2.24	2.22	2.13	2.31	2.26
Lower Hem. PRP (%)	2.28	2.10	1.94	1.98	1.95	1.83	1.80	1.78	1.70	1.81	1.76

