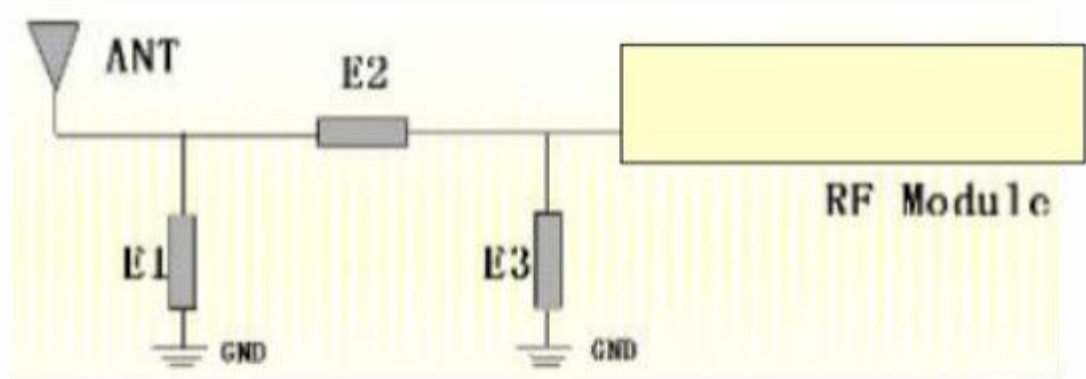


Antenna test report

Project name	
Customer	BYM
test frequency	BT (2. 4G)
Antenna material	PVB
Product name	BAND
Material Science	Metal
Testers	liuq ingyun
Consulting phone	
date	2022. 6. 21



matching	parameter
E1(0402)	10nH
E2(0402)	1pF
E3(0402)	3.9nH

Passive antenna test



SWR



Return loss

frequency	SWR
2400	1.74

frequency	Return loss
2400	-11.33db

Passive antenna efficiency test

(antenna 2.4G-3D- benefit)

FEITUKEJI											
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)	-5.10	-5.11	-5.30	-5.48	-5.58	-5.57	-5.56	-5.46	-5.49	-5.41	-5.10
Peak EIRP (dBm)	-0.88	-0.84	-1.02	-1.11	-1.23	-1.17	-1.08	-0.94	-0.86	-0.81	-0.48
Directivity (dBi)	4.22	4.27	4.29	4.37	4.35	4.40	4.47	4.52	4.64	4.60	4.62
Efficiency (dB)	-5.10	-5.11	-5.30	-5.48	-5.58	-5.57	-5.56	-5.46	-5.49	-5.41	-5.10
Efficiency (%)	30.90	30.90	29.50	28.30	27.70	27.70	27.80	28.50	28.20	28.80	30.90
Gain (dBi)	-0.88	-0.84	-1.02	-1.11	-1.23	-1.17	-1.08	-0.94	-0.86	-0.81	-0.48
NHPRP $\pm\pi/4$ (dBm)	-6.23	-6.23	-6.48	-6.63	-6.72	-6.65	-6.49	-6.27	-6.26	-6.17	-5.91
NHPRP $\pm\pi/6$ (dBm)	-7.63	-7.63	-7.88	-8.03	-8.13	-8.06	-7.91	-7.68	-7.68	-7.60	-7.34
NHPRP $\pm\pi/8$ (dBm)	-9.72	-9.73	-9.95	-10.13	-10.22	-10.16	-10.02	-9.80	-9.81	-9.74	-9.49
Upper Hem. PRP (dBm)	-8.90	-8.92	-9.12	-9.30	-9.40	-9.41	-9.41	-9.35	-9.41	-9.34	-9.05
Lower Hem. PRP (dBm)	-7.44	-7.44	-7.63	-7.81	-7.91	-7.88	-7.86	-7.74	-7.75	-7.66	-7.35
Upper Hem. PRP (%)	12.88	12.83	12.24	11.75	11.48	11.45	11.44	11.62	11.46	11.64	12.45
Lower Hem. PRP (%)	18.02	18.03	17.25	16.54	16.20	16.29	16.39	16.84	16.78	17.12	18.42

Contrast data diagram of antenna measured (10 meters distance)

