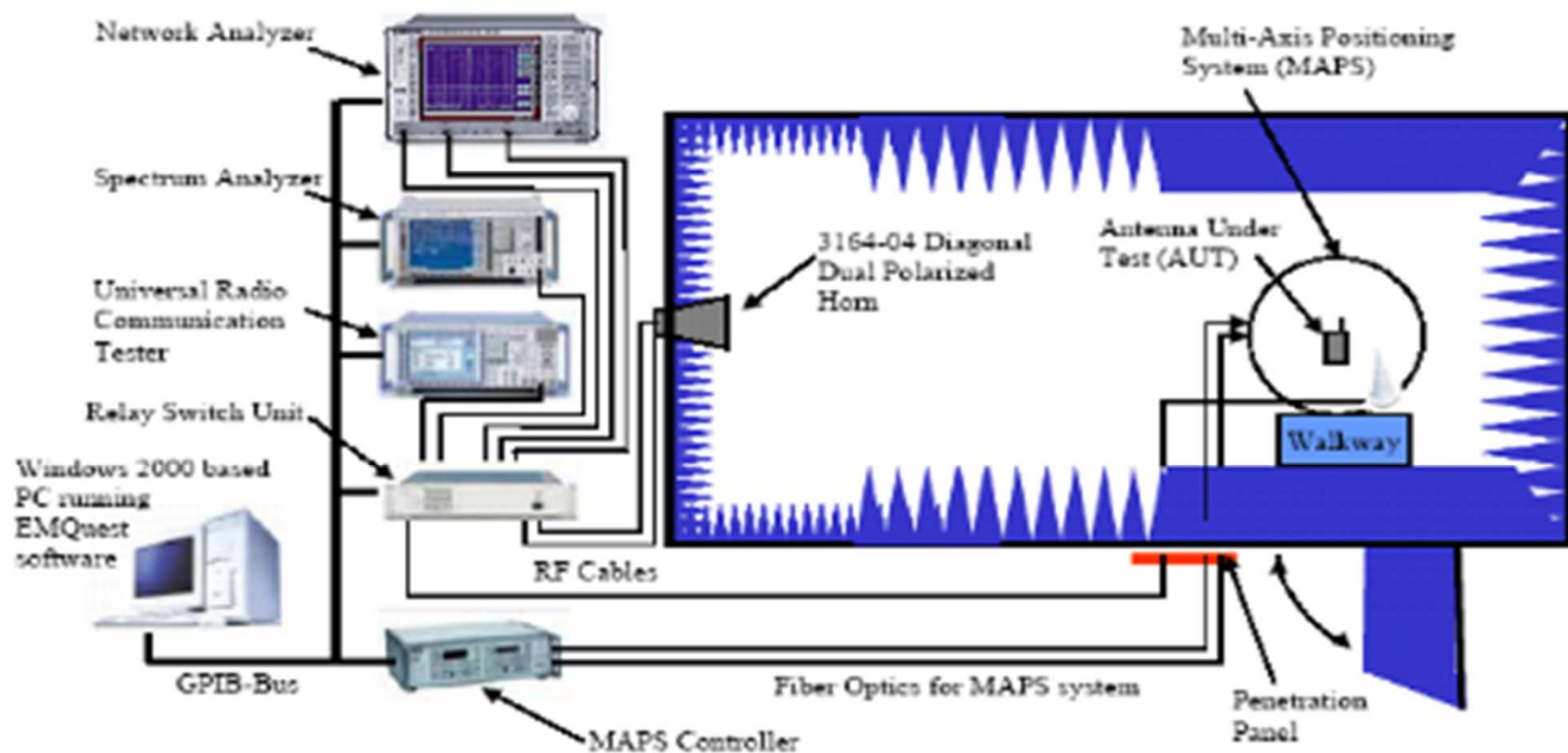


TPMS Repeater Antenna Test Report

2024.6.3

CW Cheng

Typical AMS-8500 System Schematic

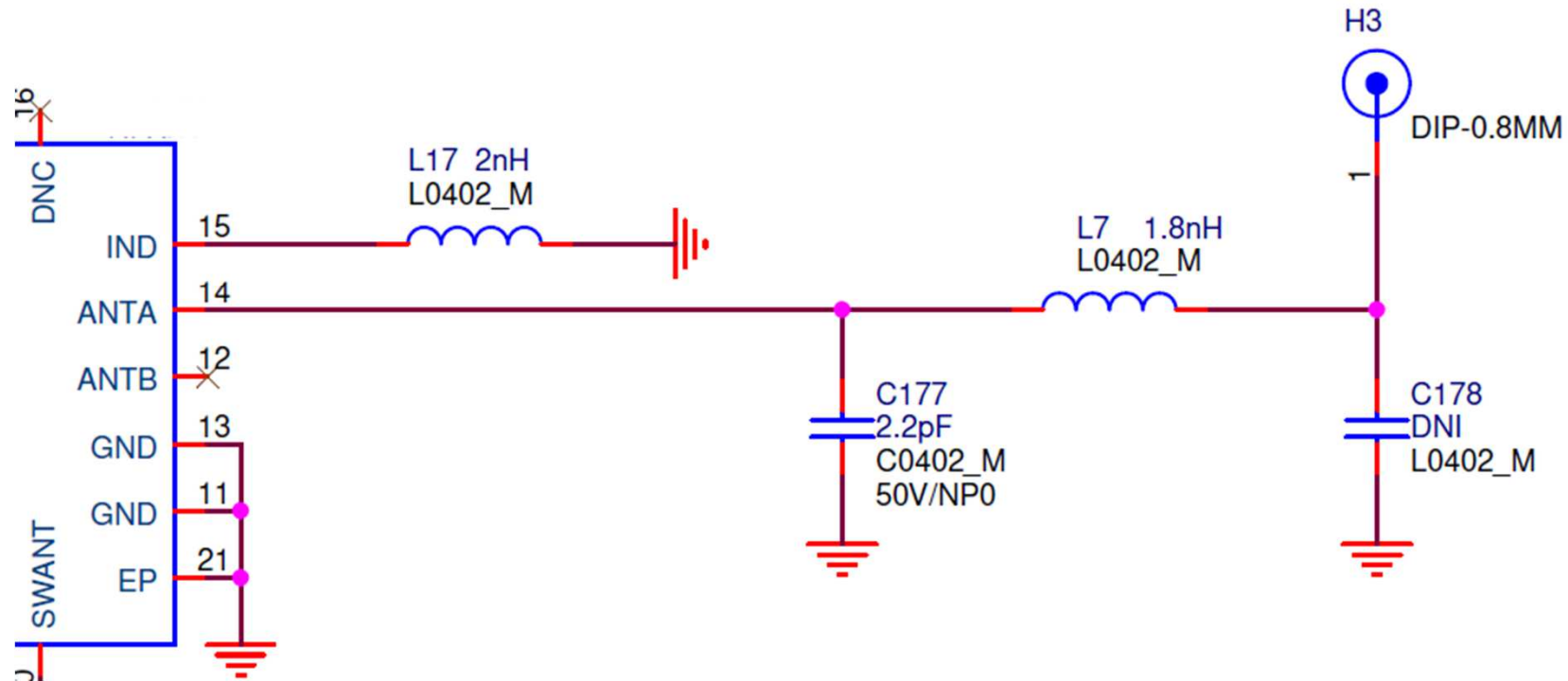


Laboratory Equipment

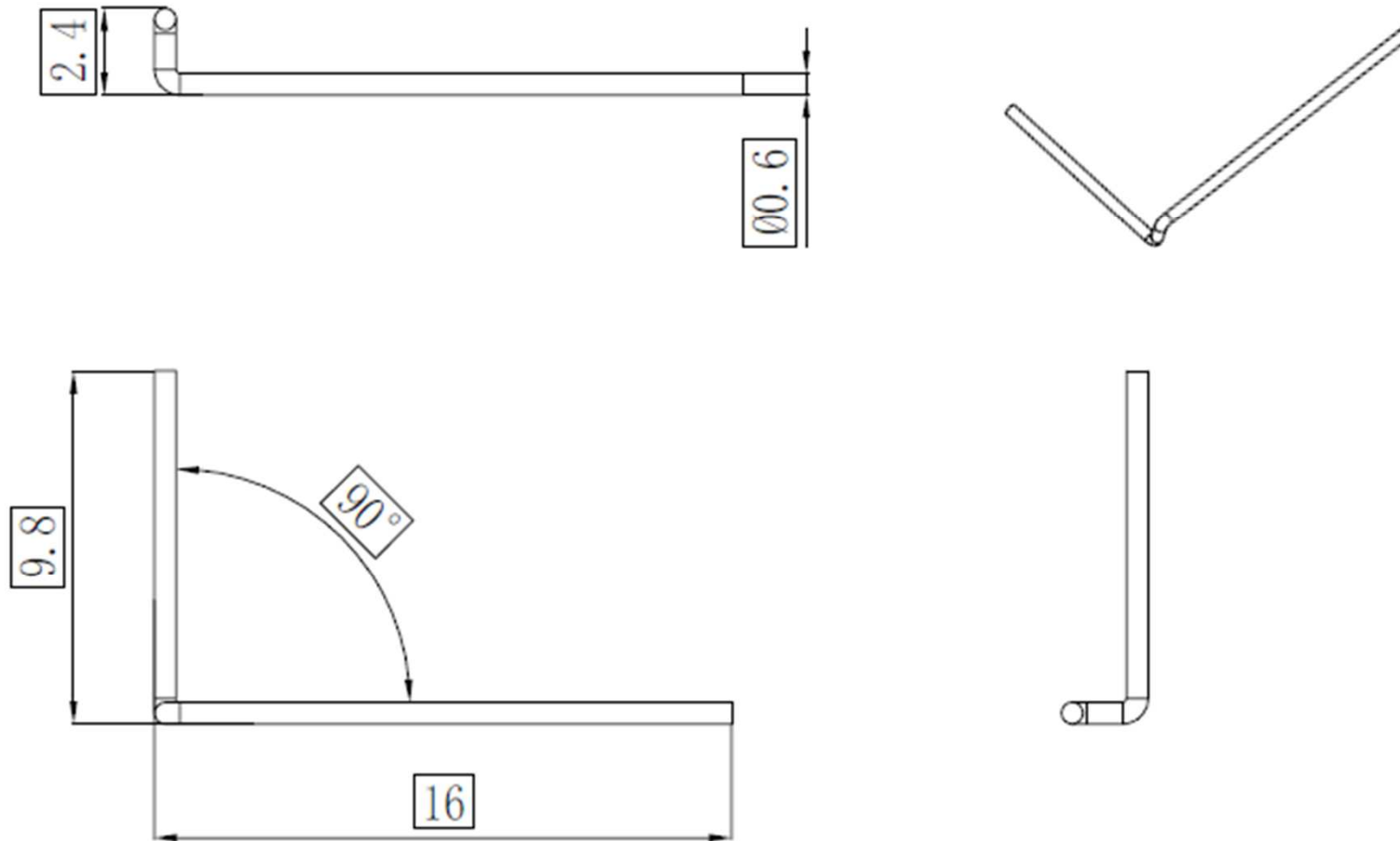


Antenna Matching

Antenna length=16mm



Antenna Type



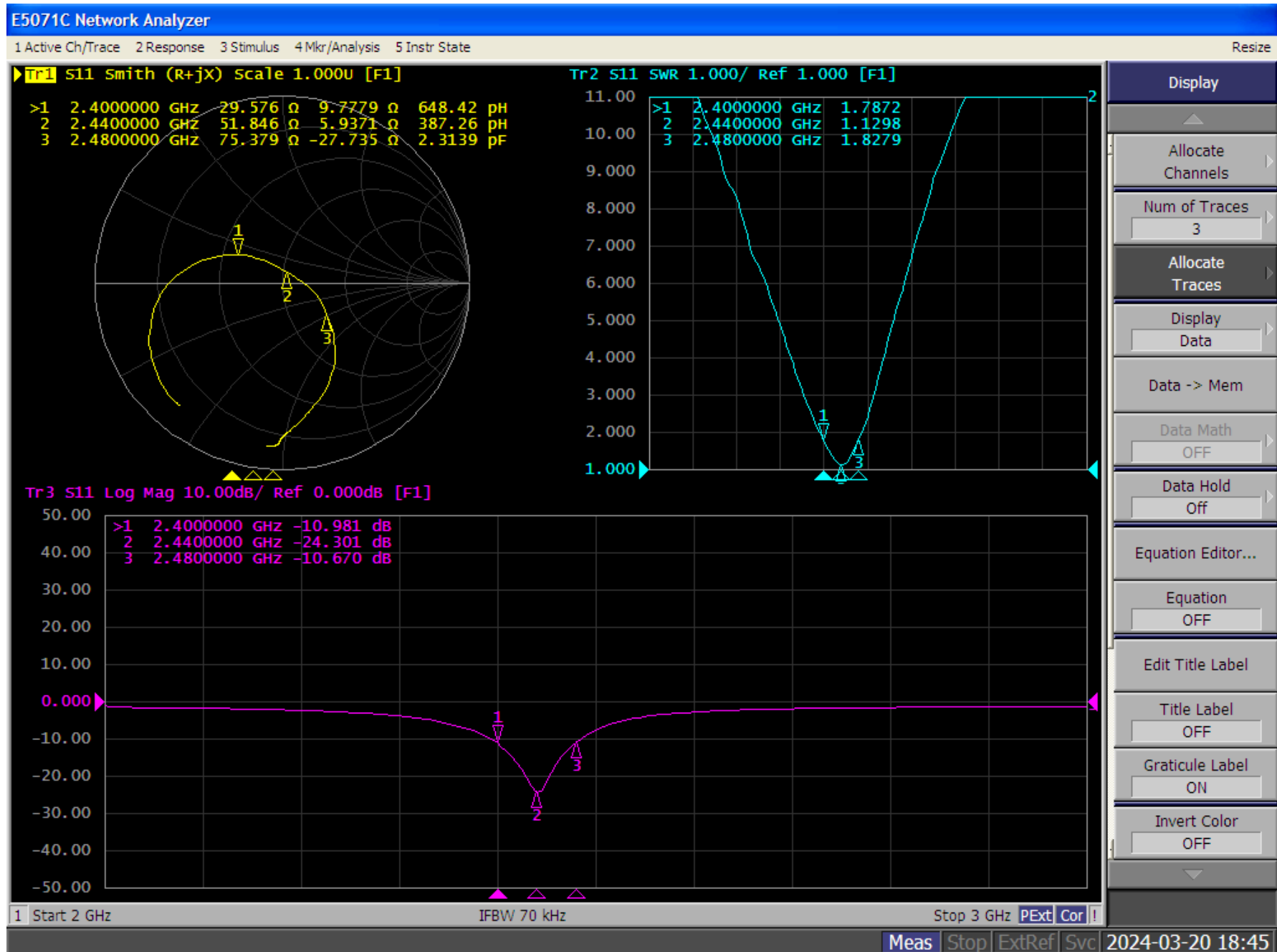
Part NO. : 354-0000471

Manufacturer : SHEN ZHEN JILIDA

Gain : 2.64 dBi

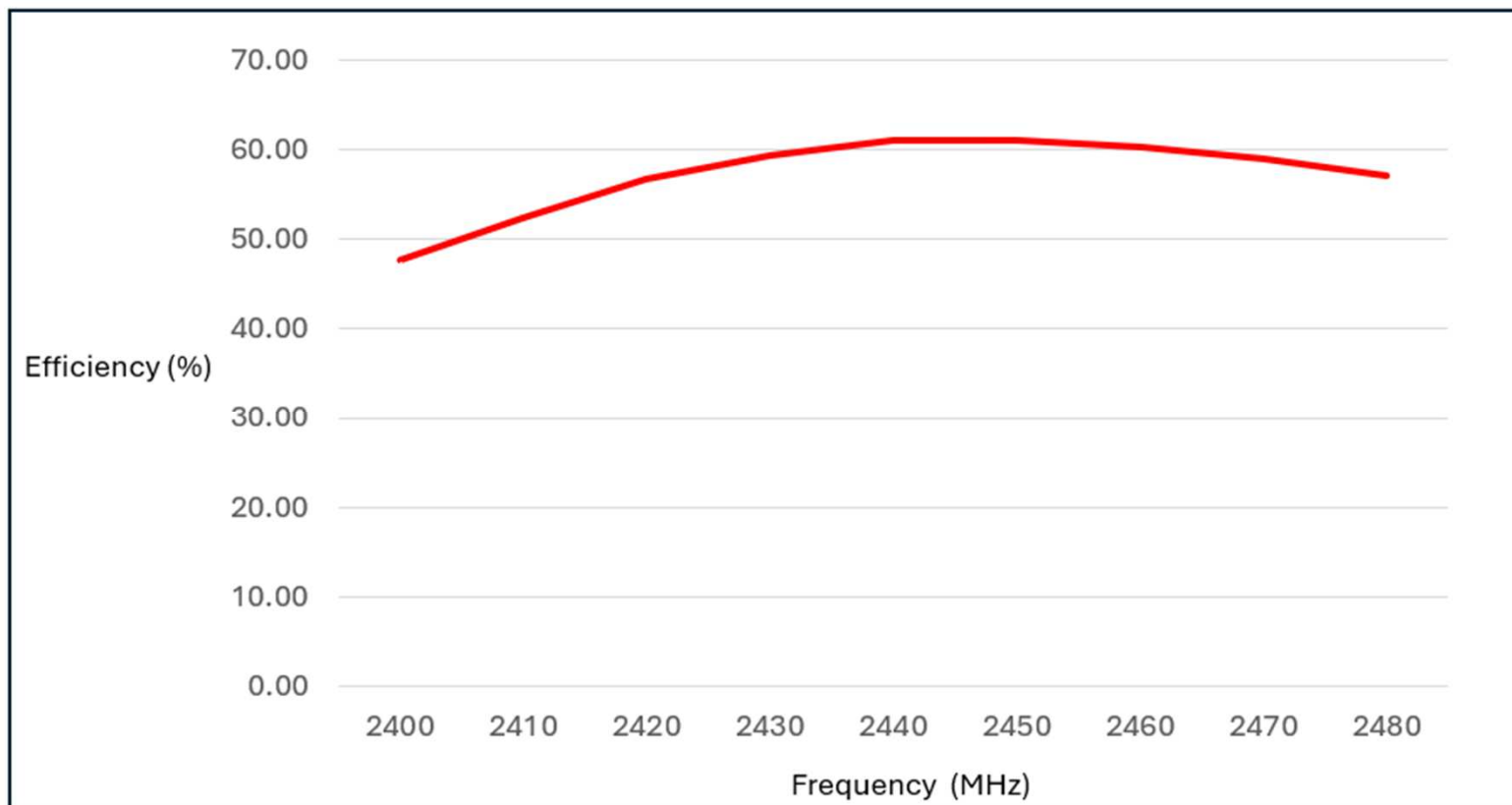
Antenna Type : Wire Antenna

S11 Log Mag



Antenna Efficiency

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
Tot. Rad. Pwr. (dBm)	-3.21	-2.80	-2.46	-2.26	-2.14	-2.14	-2.19	-2.29	-2.44
Gain (dBi)	1.09	1.62	2.04	2.36	2.64	2.90	3.05	3.00	2.65
Efficiency (%)	47.72	52.50	56.69	59.44	61.10	61.14	60.41	59.01	57.07
Average Efficiency (%)	57.23								



Radiation pattern

