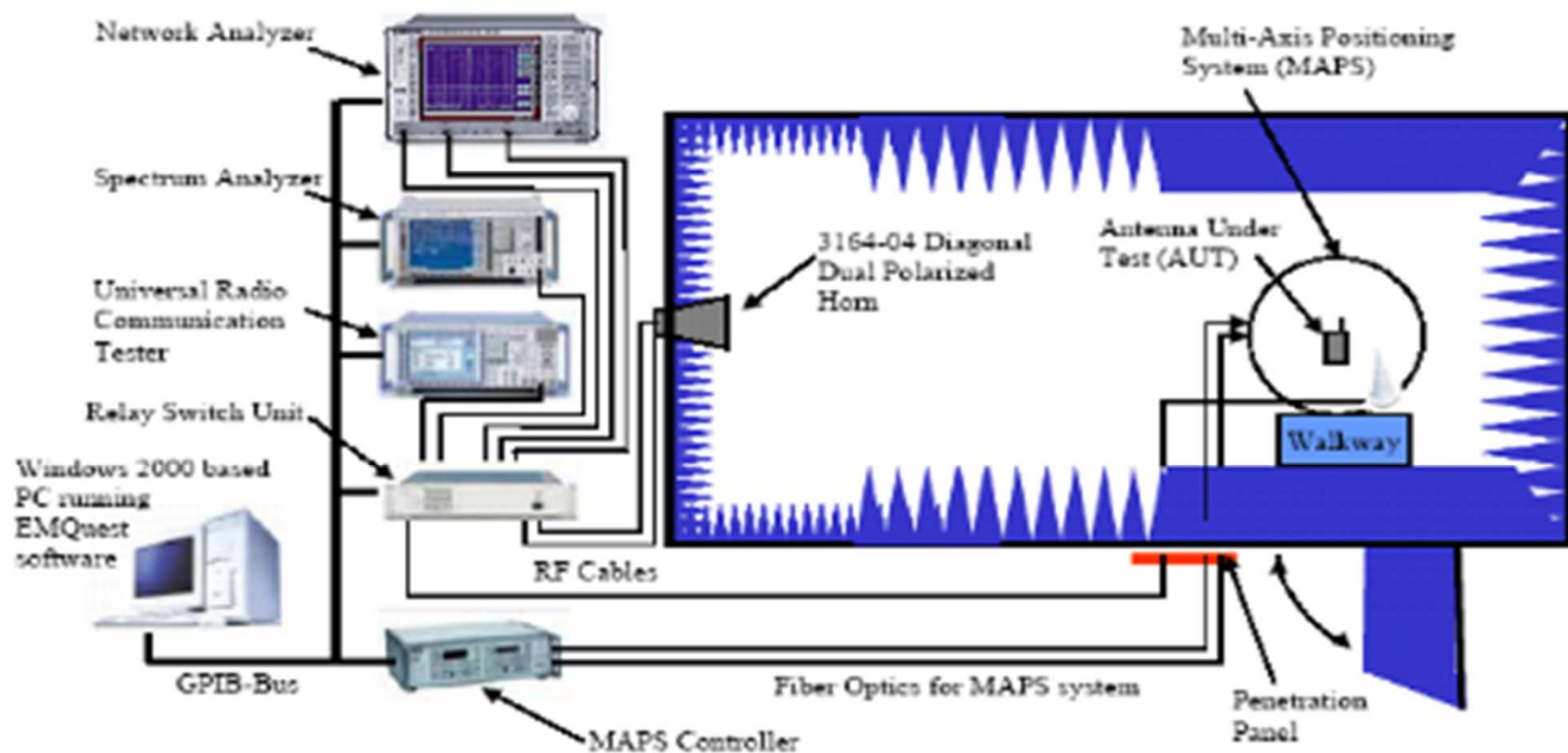


Internal TPMS RSI-20B,21B,23,24 Antenna Test Report

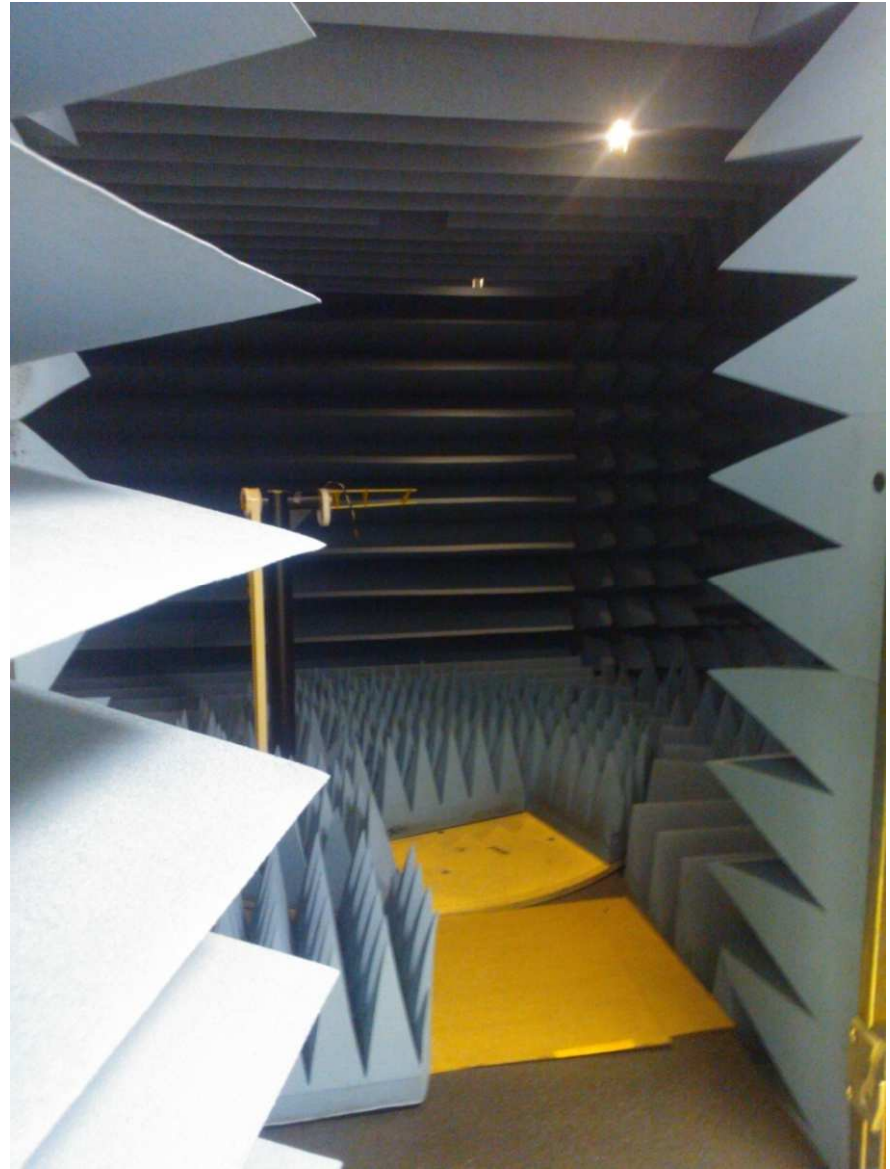
2022.1.10

CW Cheng

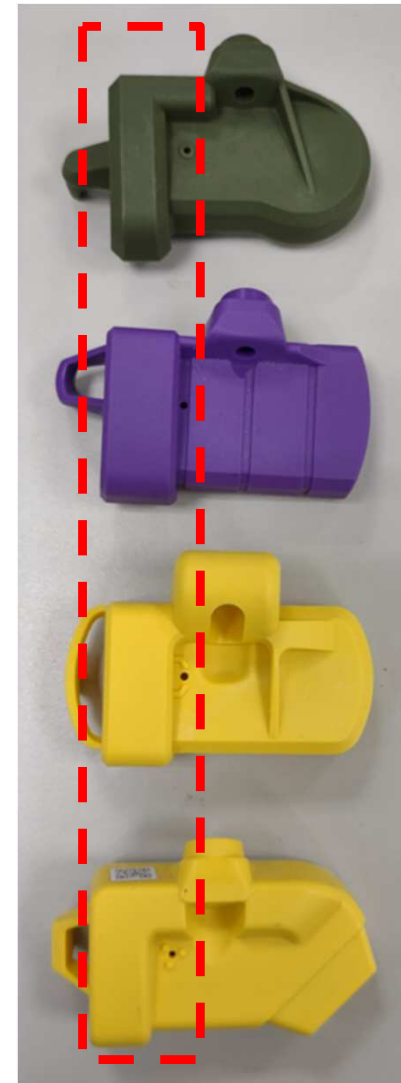
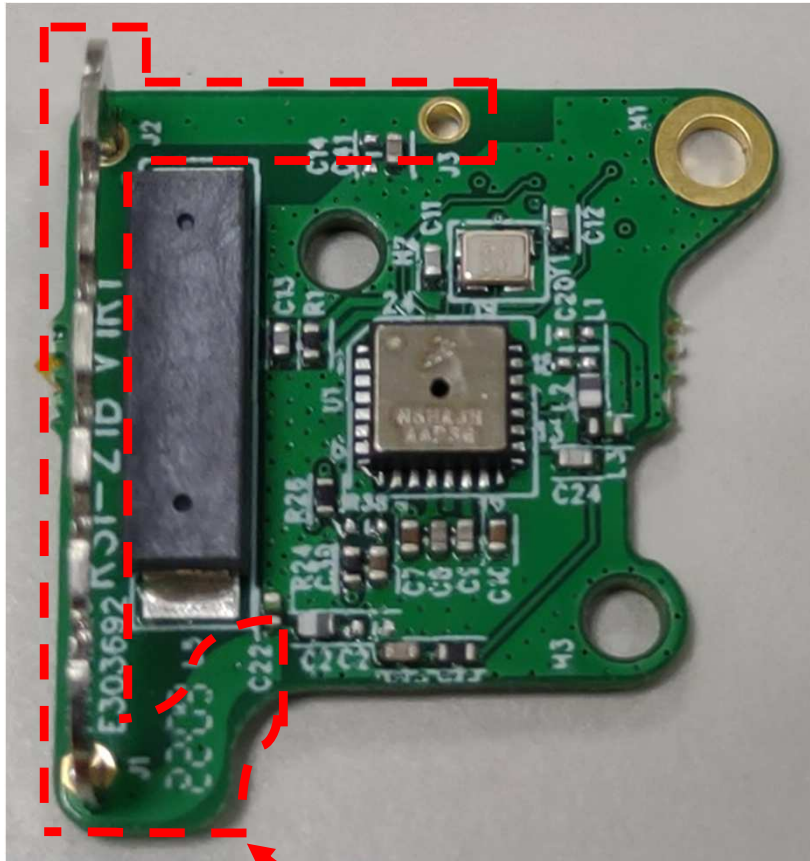
Typical AMS-8500 System Schematic



Laboratory Equipment



Antenna Type : Loop Antenna



RSI-20B

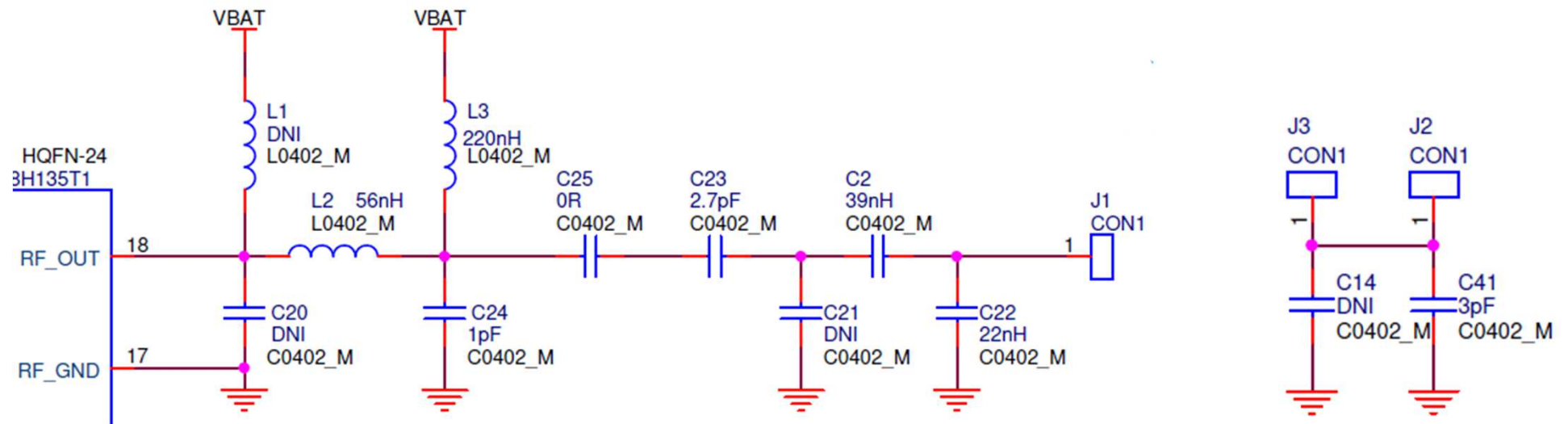
RSI-21B

RSI-23

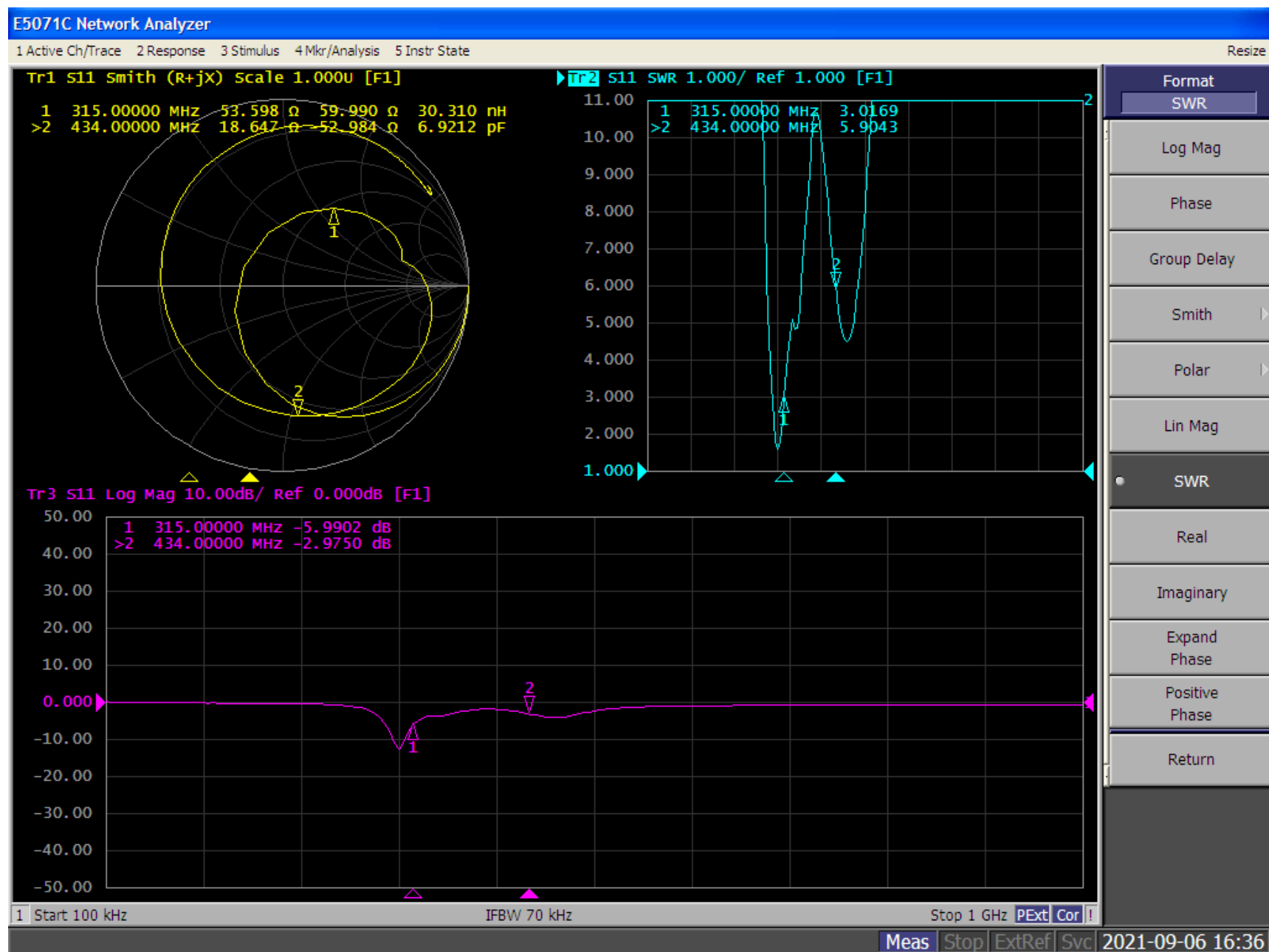
RSI-24

Antenna

Antenna Matching Circuit

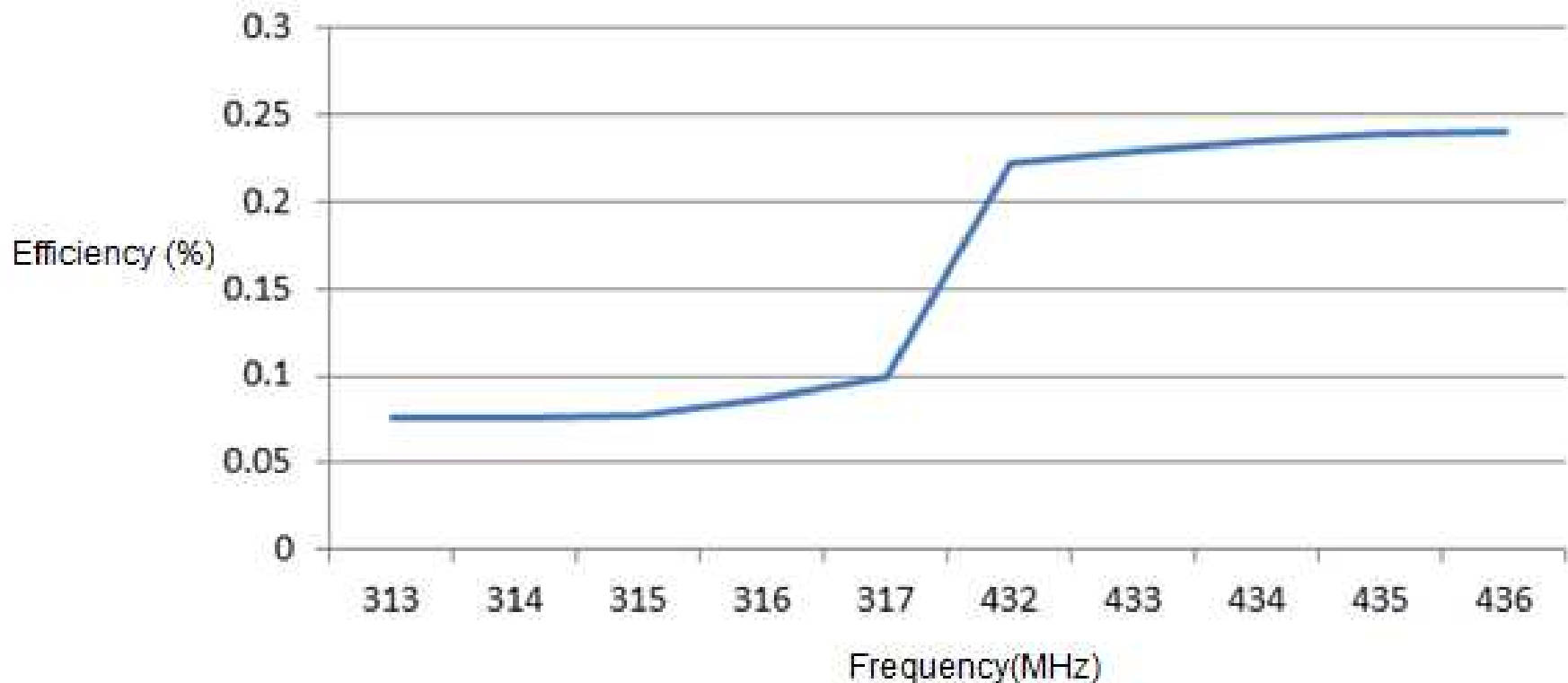


Log Mag



Antenna Efficiency

Frequency	313	314	315	316	317	432	433	434	435	436
Tot. Rad. Pwr. (dBm)	-31.1911	-31.2216	-31.1035	-30.6204	-30.0475	-26.5269	-26.3966	-26.2877	-26.2134	-26.1805
Efficiency (%)	0.0760131	0.075482	0.077562	0.086689	0.0989117	0.222489	0.229264	0.235088	0.239147	0.240961
Directivity (dBi)	4.69462	4.73689	4.80782	4.78792	4.87188	5.14697	5.13446	5.16865	5.22541	5.2687
Average Efficiency (%)	0.158161									



Radiation pattern

