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Testing environment	SATIMO SG64
Model No.:	1H005E
Antenna type	linear antenna
Testing device type	2.4G Suction cup antenna
Project Manager	XWZ
RF person in charge	ALEX
Structure owner	Steven
Business owner	LXW

The matching circuit has not been changed. (ant- JSC)

## Voltage Standing Wave Ratio (VSWR) Measurement

### Test Setup

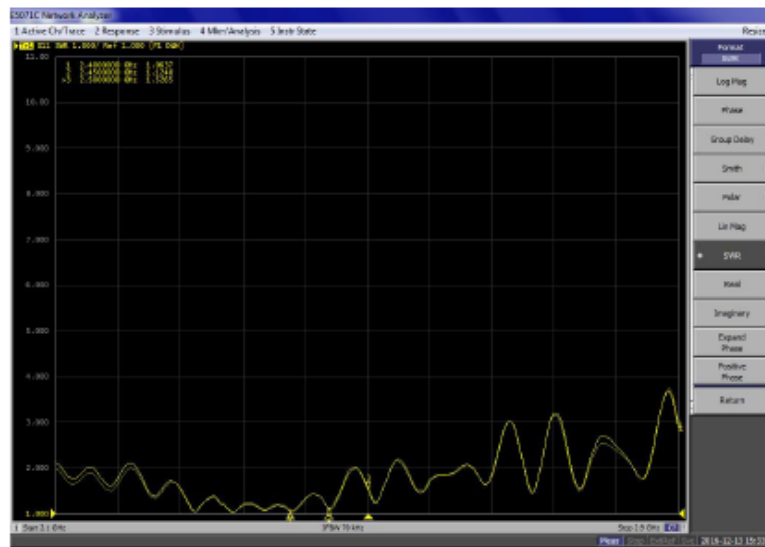
Return loss measurements ( $S_{11}$ ) were performed using a Hewlett Packard 8753D Network Analyzer and previously described tests fixtures. A 137 mm long ferrite de-coupling sleeve was used to mitigate surface currents on the outside of the cabling.

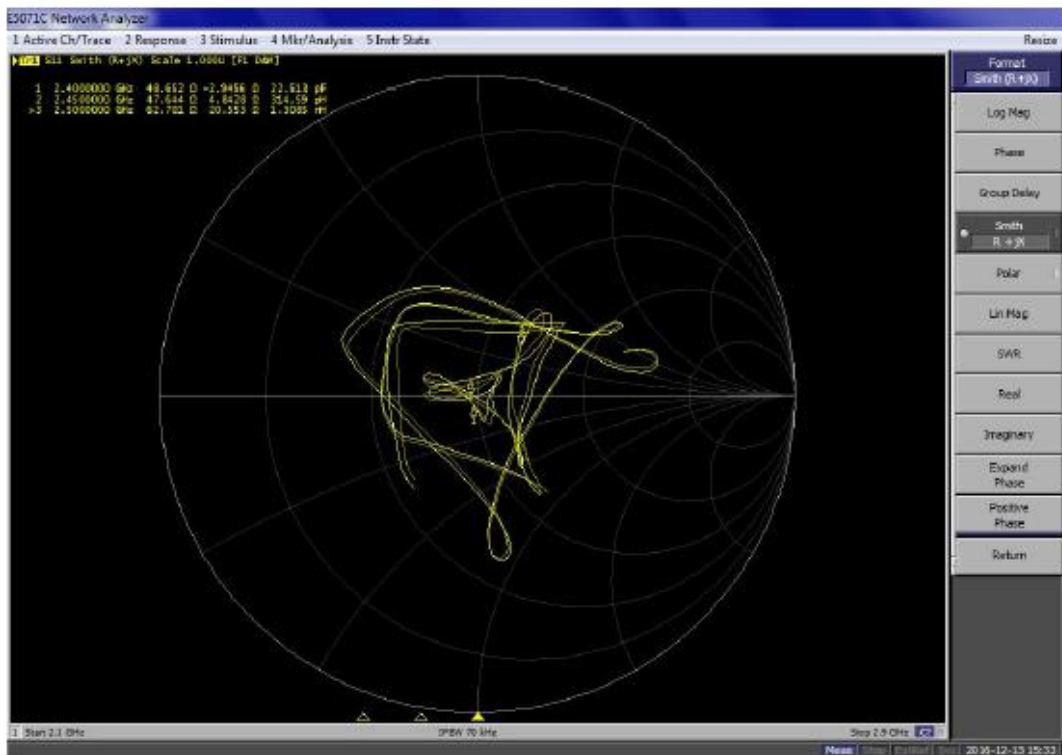
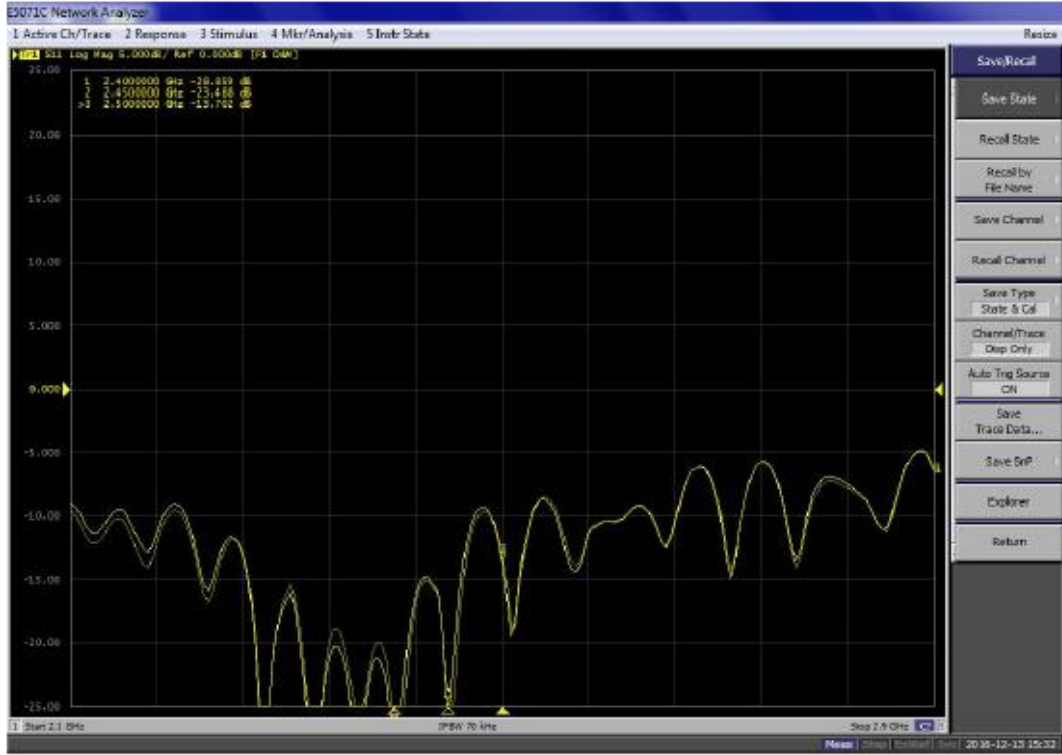
### Test Results

Table summarizes the return loss measurements at the edges of the desired frequency bands. Appendix A provides copies of the VSWR plots generated by the network analyzer.

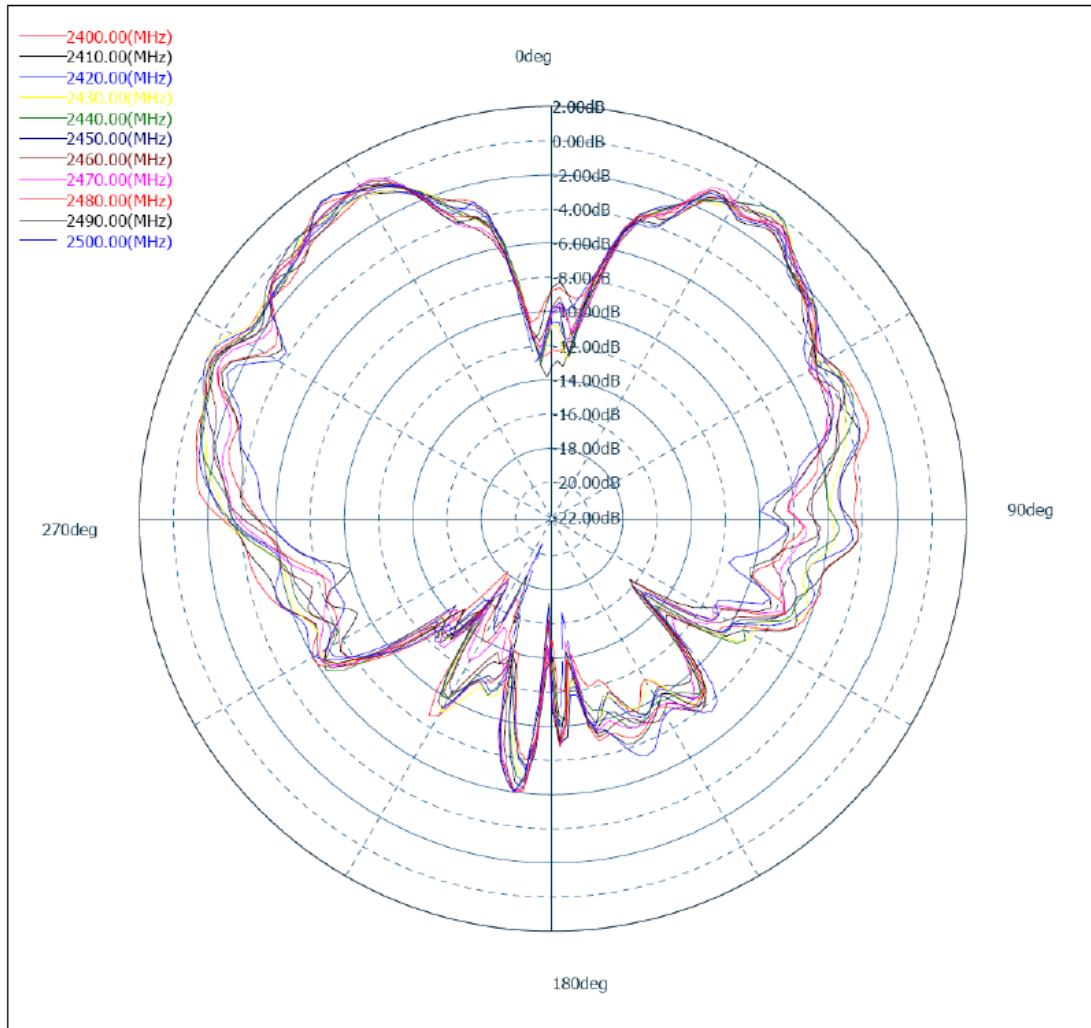
**Efficiency:**

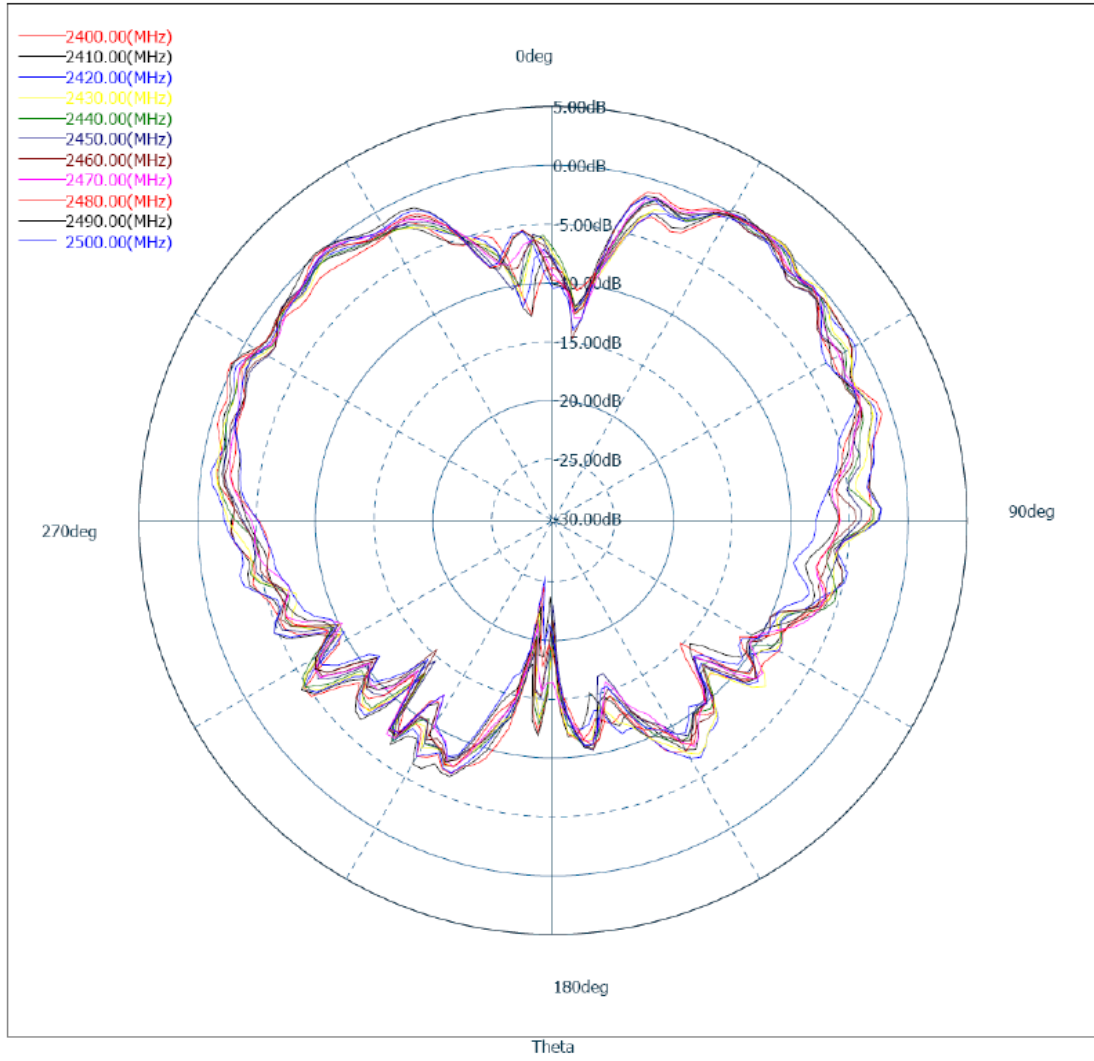
Frequency [Hz]	Efficiency	Max Gain [dBi]
2.4E+09	47%	1.597764
2.41E+09	46%	1.510525
2.42E+09	46%	1.670365
2.43E+09	46%	1.988705
2.44E+09	46%	2.271188
2.45E+09	44%	2.536357
2.46E+09	43%	2.524443
2.47E+09	43%	2.473644
2.48E+09	42%	2.497474
2.49E+09	41%	2.609845
2.5E+09	40%	2.979083



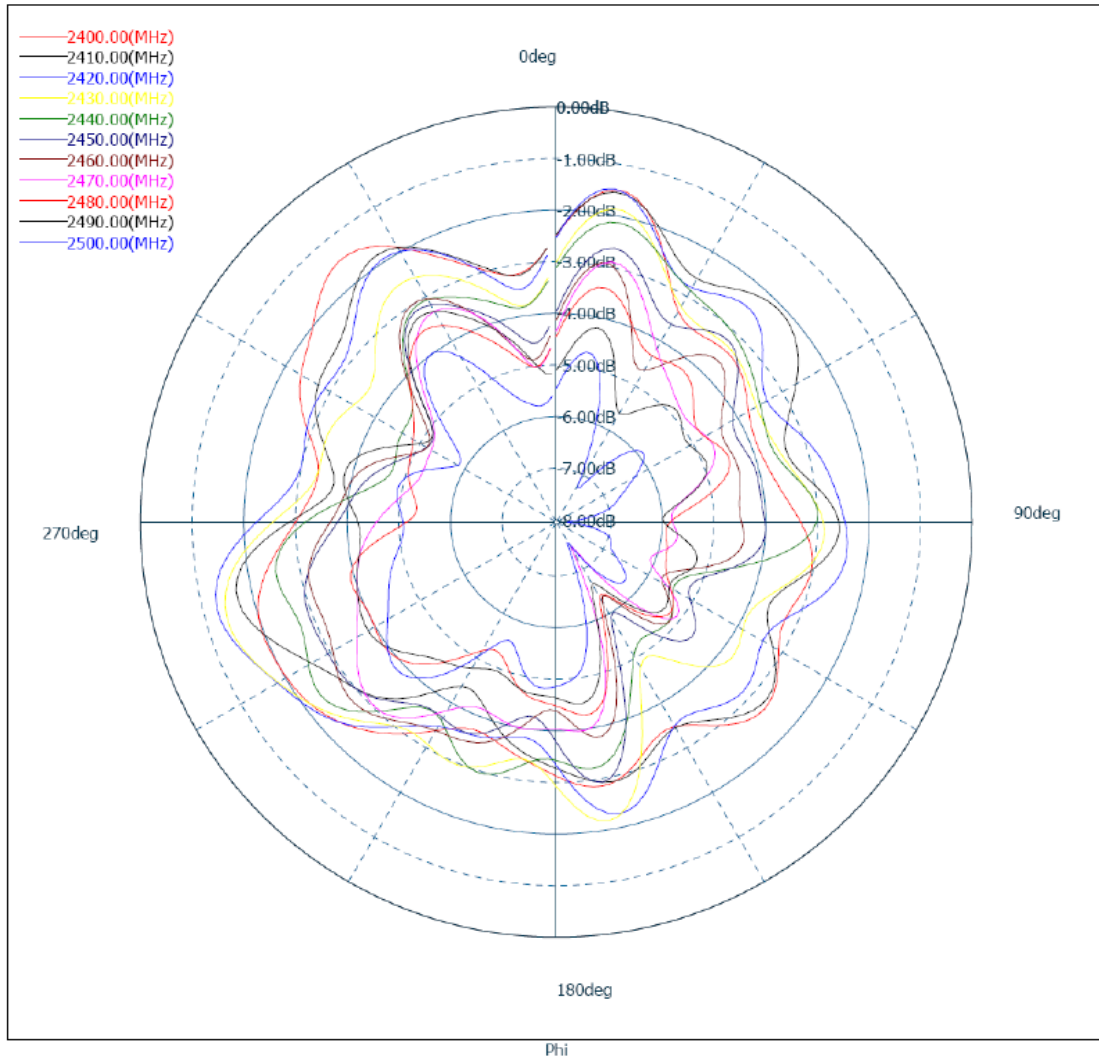


**E1**





**H**



Antenna photograph

