

**SERCOM**

**ADT / SD-HEAT09  
Antenna Test Report**

Mar. 21, 2023

Prepared by AK Chen

# Outline

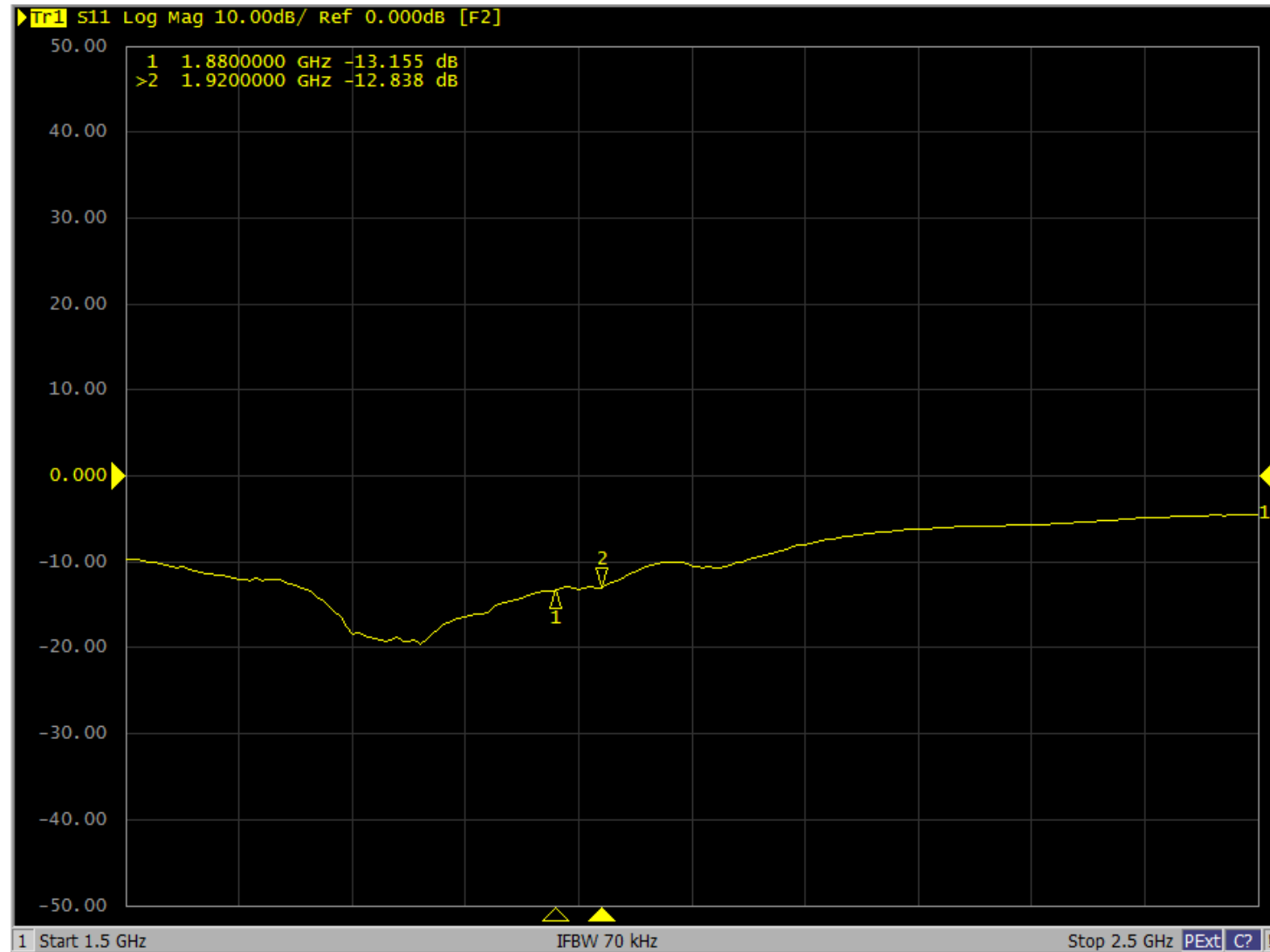
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- Antenna Structure & Placement
- Return Loss
- VSWR
- Radiation Pattern
- Peak Gain & Efficiency

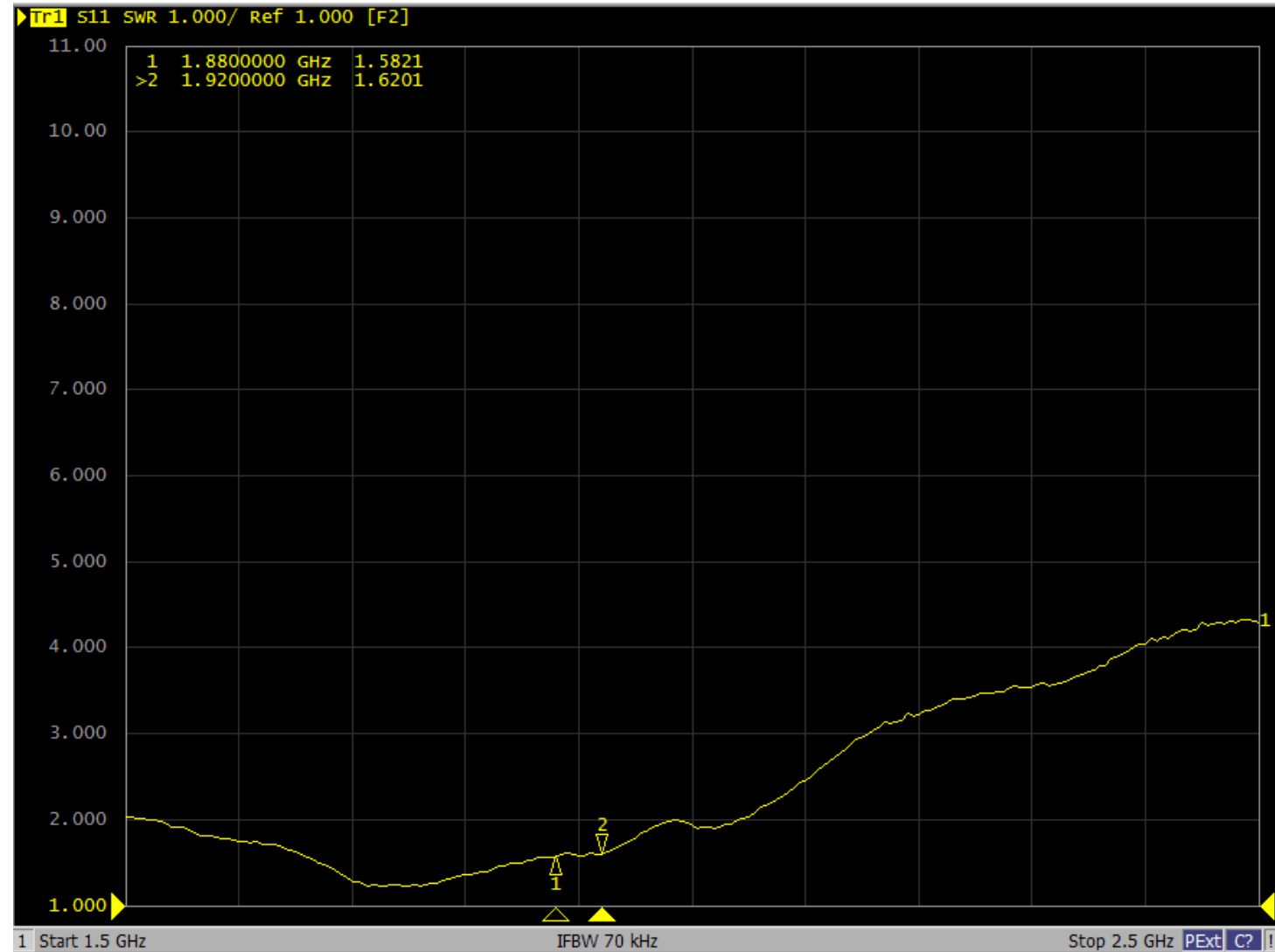
# Antenna Structure & Placement

Ant	Operating Band	Type	Material	Feeding	Dimension
DECT	1850 ~ 1950 MHz	PIFA	Metal	Trace	31 x 7 x 13.5 mm <sup>3</sup>

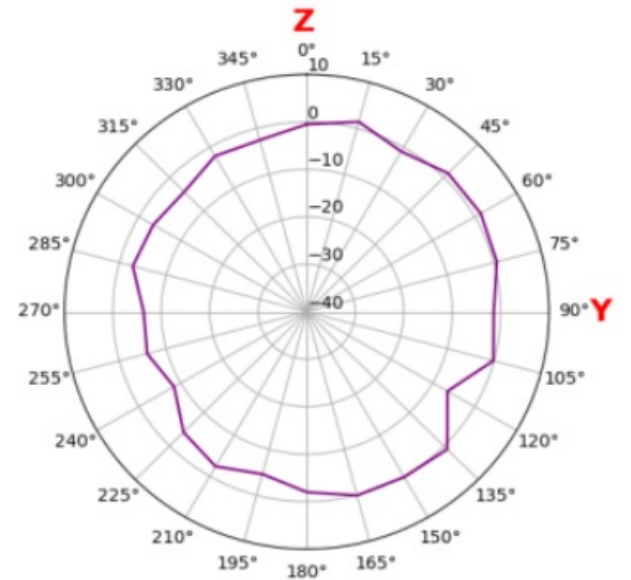
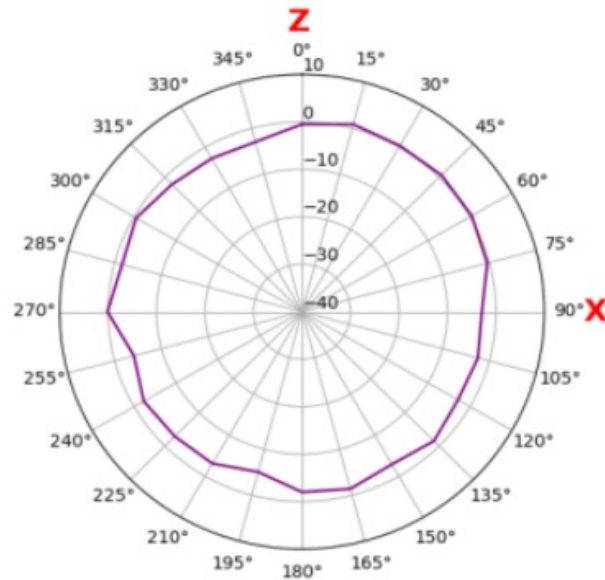
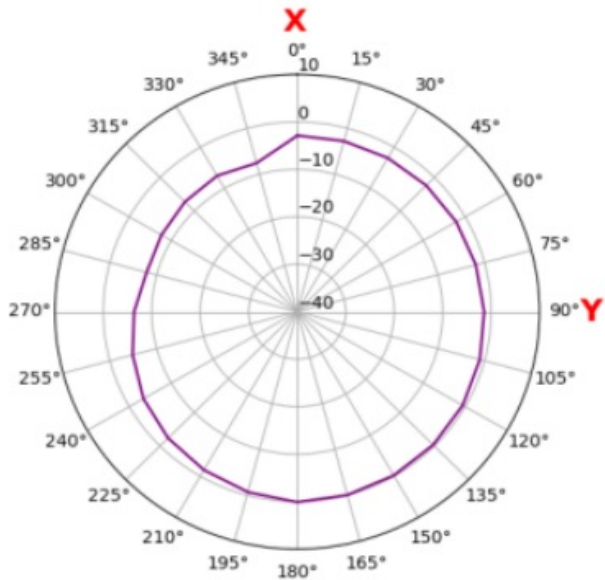
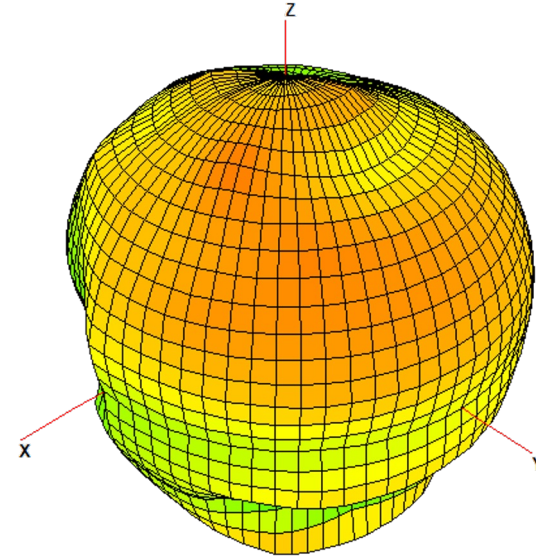
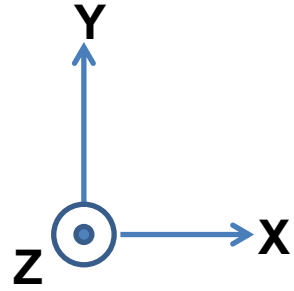
# Return Loss



# Return Loss



# Radiation Pattern



# Peak Gain & Efficiency

Frequency (MHz)	DECT Antenna	
	Efficiency (%)	Peak Gain (dBi)
1850	70.36	2.09
1880	71.41	2.18
1900	71.22	2.48
1920	74.13	2.42
1950	70.69	2.19

# Summary

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- Antenna Performance is very good.



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