



WTR1LW1

Antenna Test Report

Date : Jan. 11, 2017

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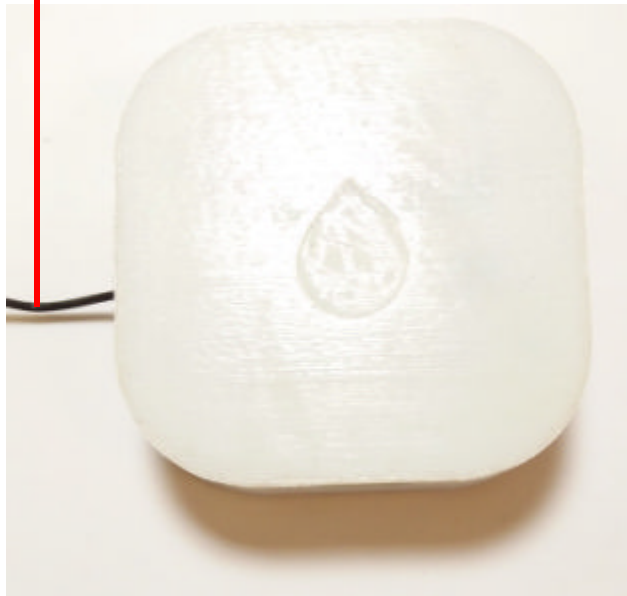


Outline

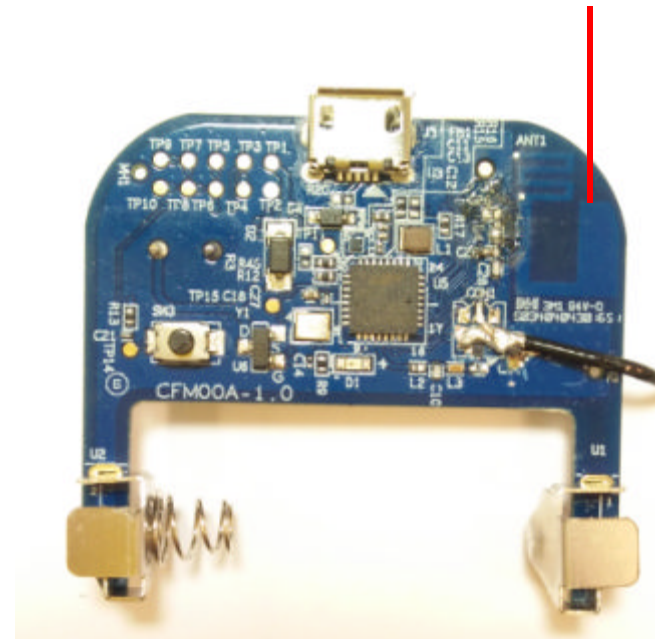
- Antenna Structure & Placement
- Return Loss
- Radiation Pattern
- Peak Gain & Efficiency

Antenna Structure & Placement

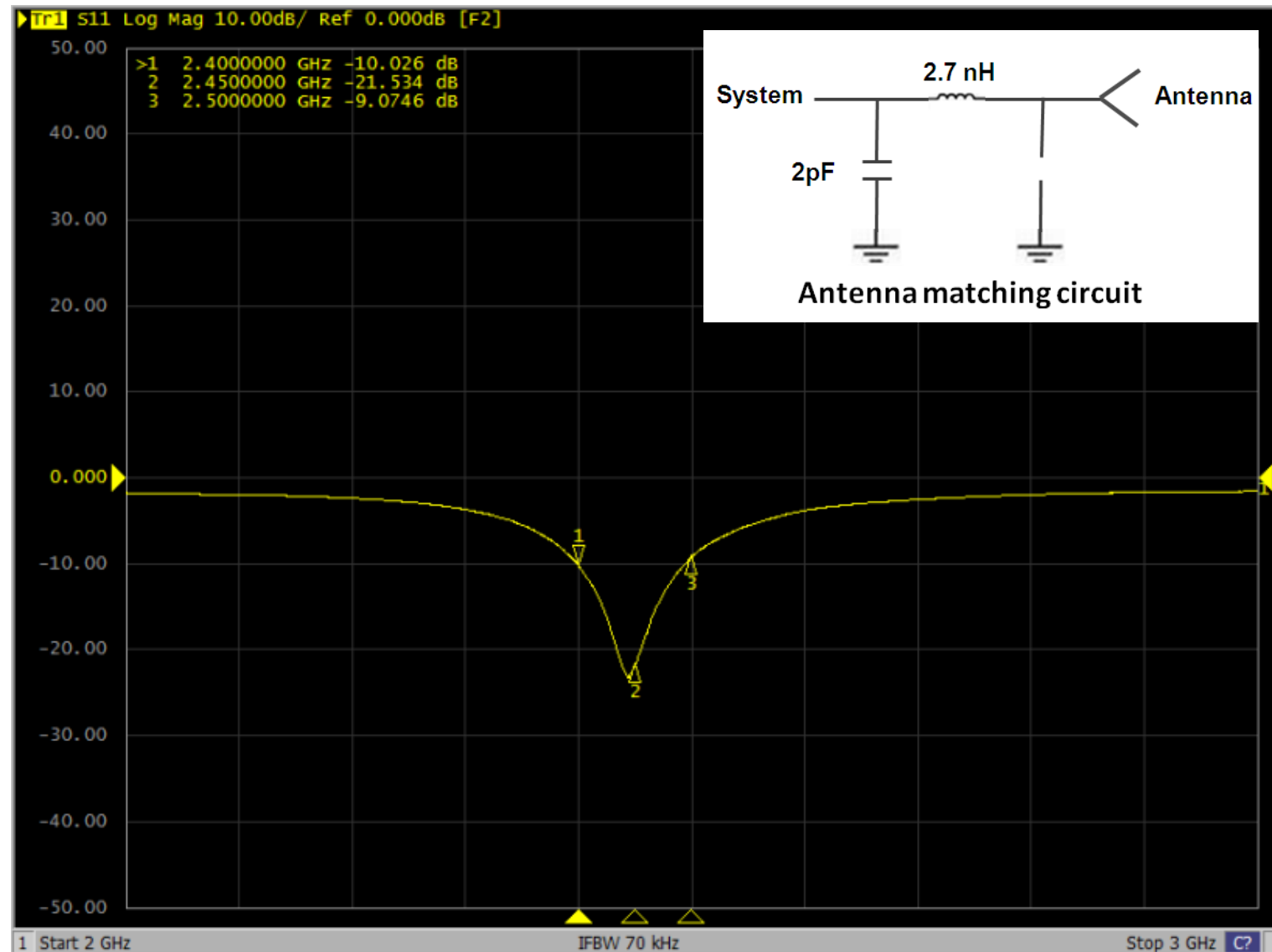
Test Cable



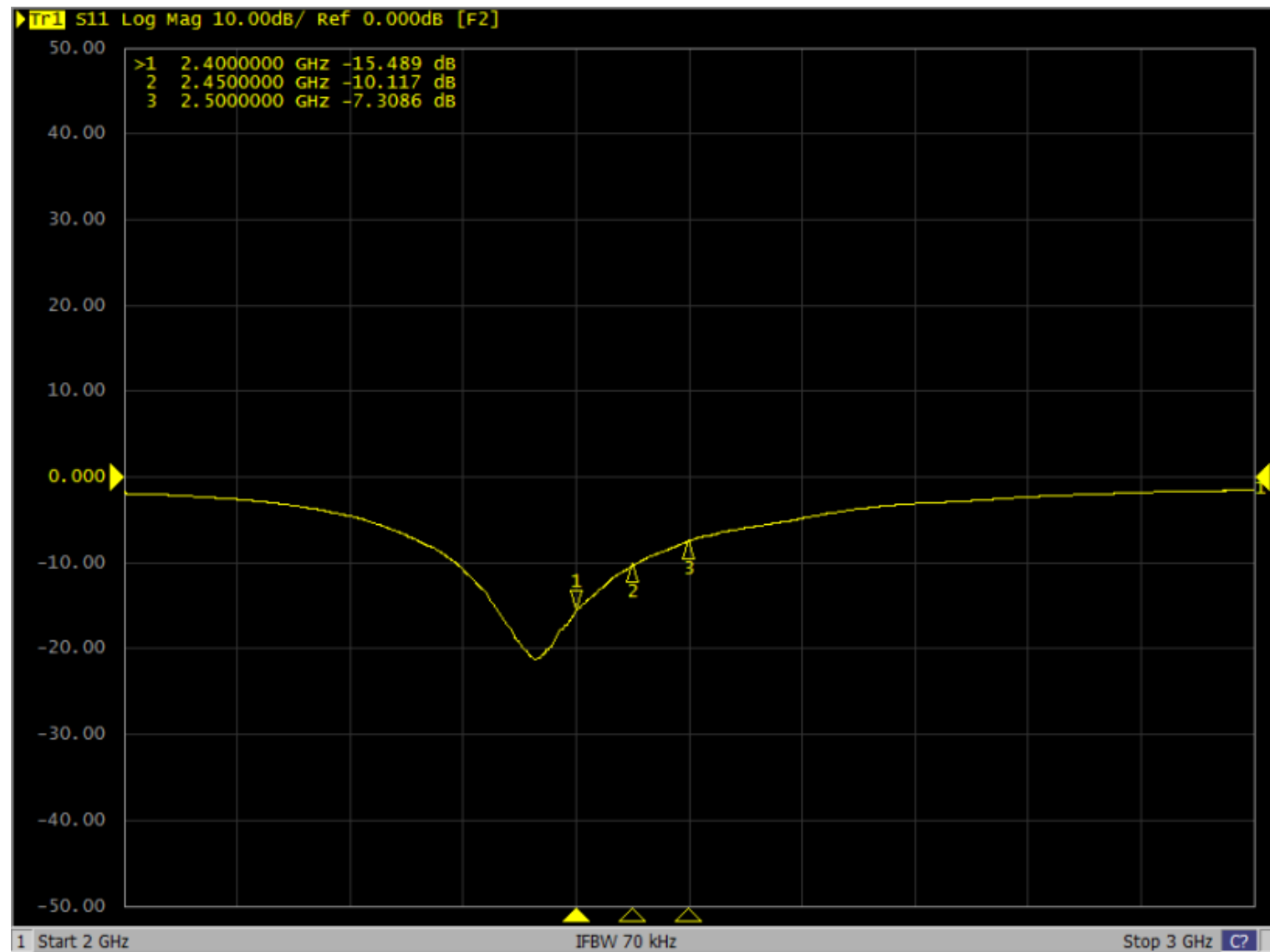
ZigBee Ant



Return Loss – WTD03N

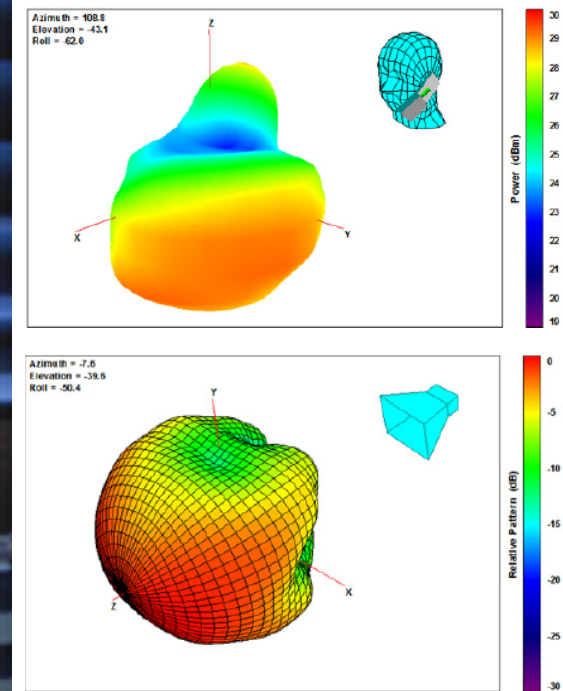
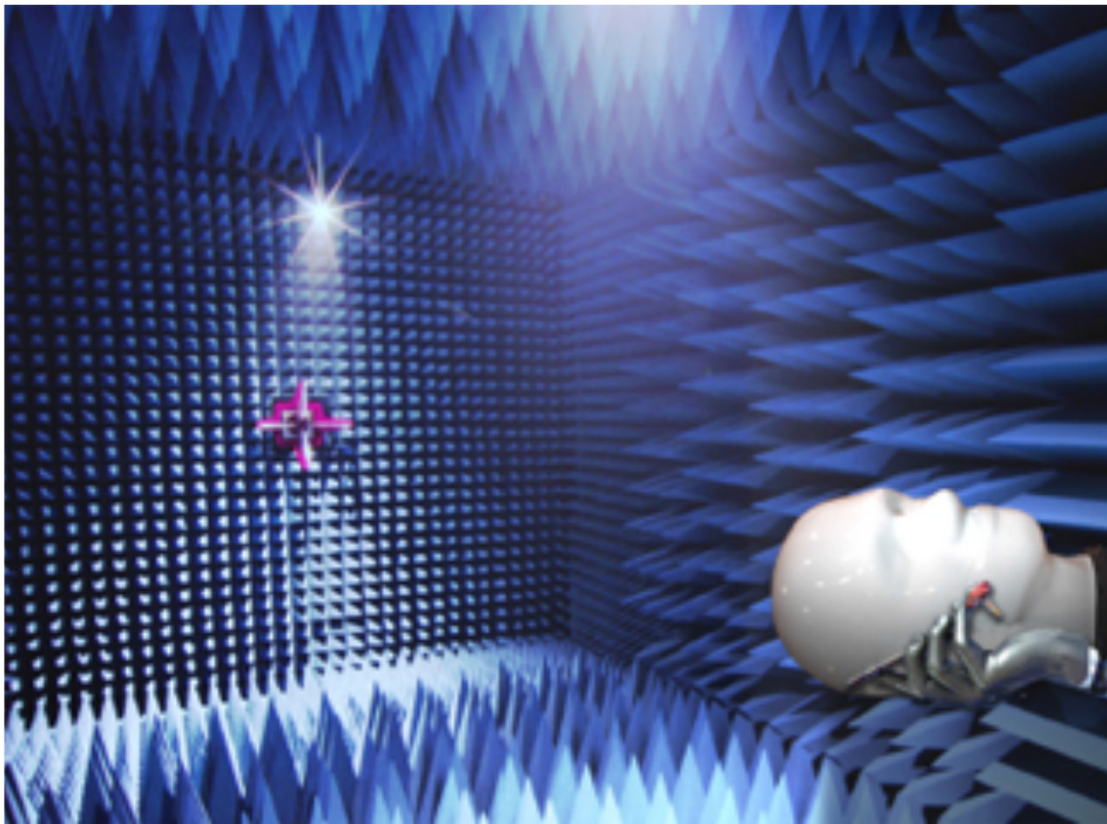
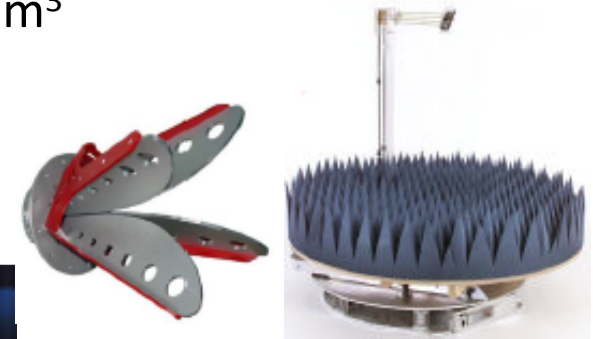


Return Loss – DWS08N



Antenna Measurement Chamber

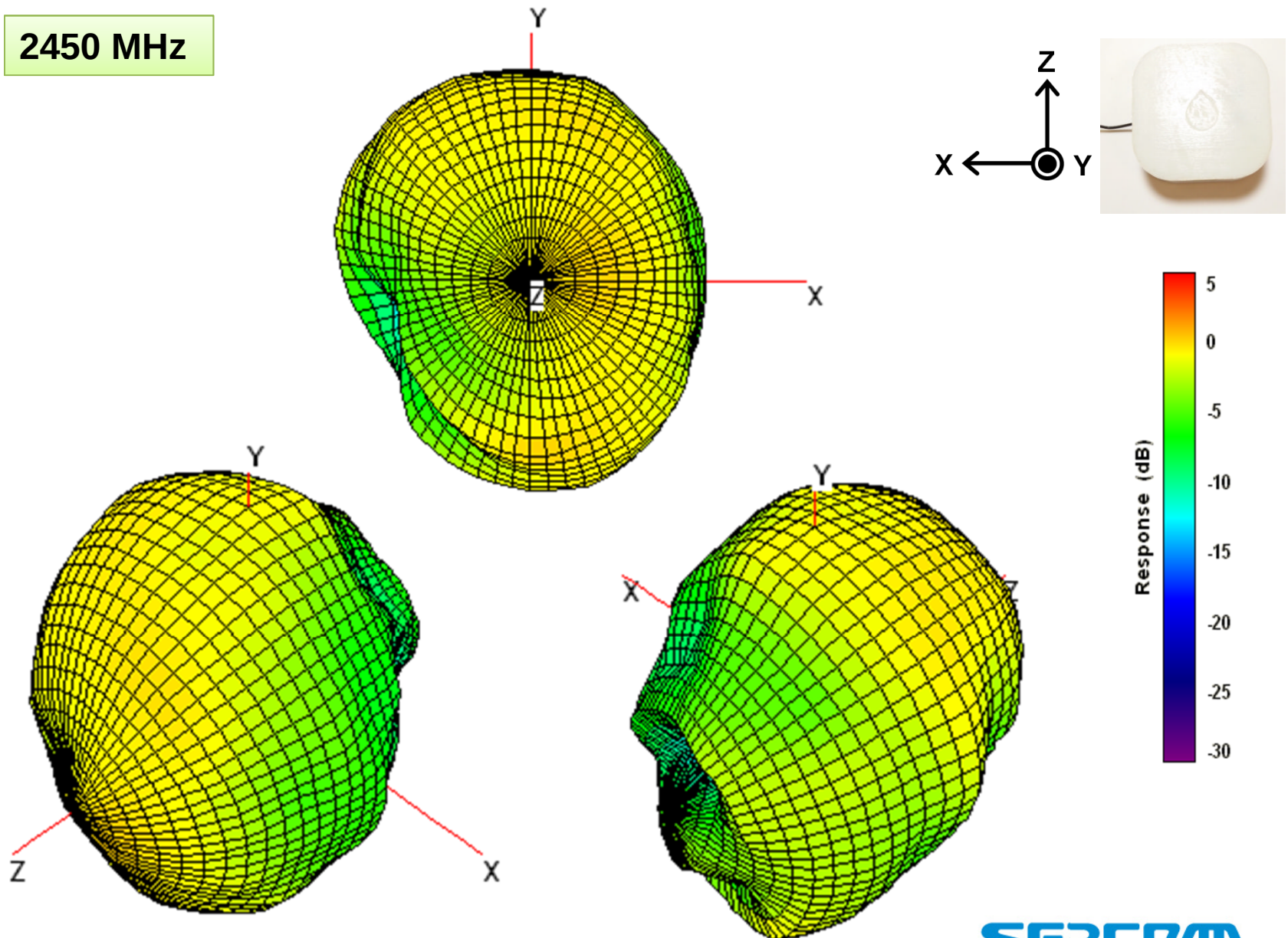
- ETS AMS-8500 antenna measurement system
- Interior dimensions : 7.32(L)×3.66(W)×3.66(H)m³
- Operating band : 700 MHz – 10 GHz
- Support passive test & active test
- Provide graphic data display



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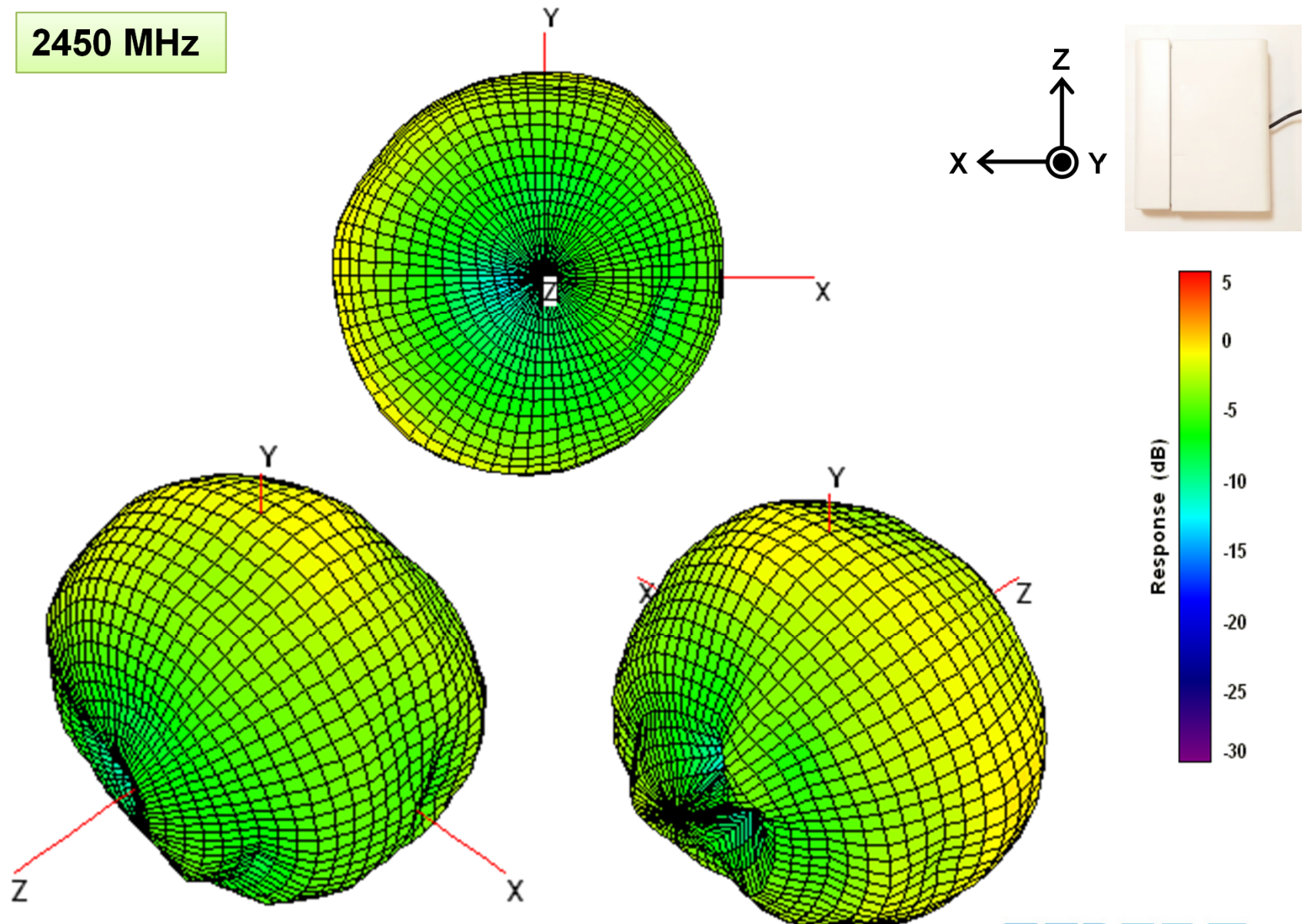
Radiation Pattern – WTR1LW1

2450 MHz



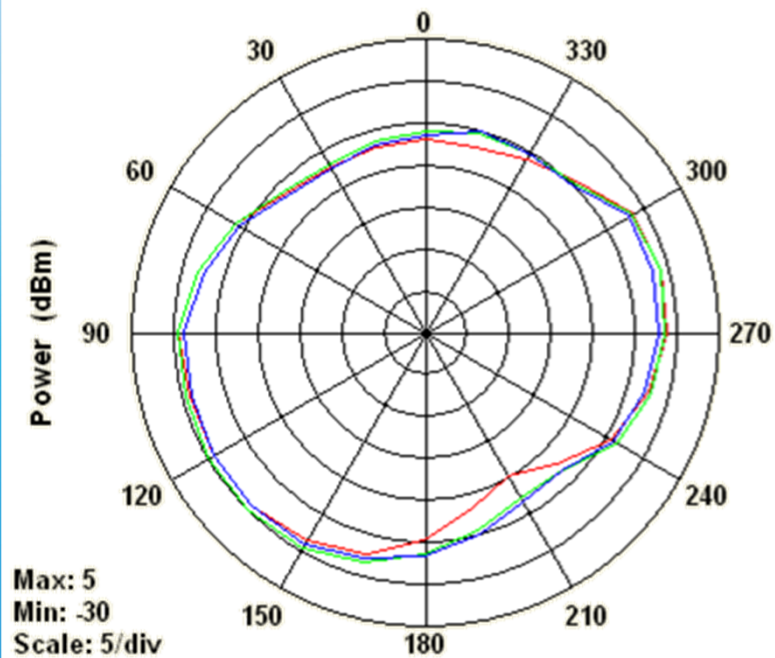
Radiation Pattern – DWS08N

2450 MHz

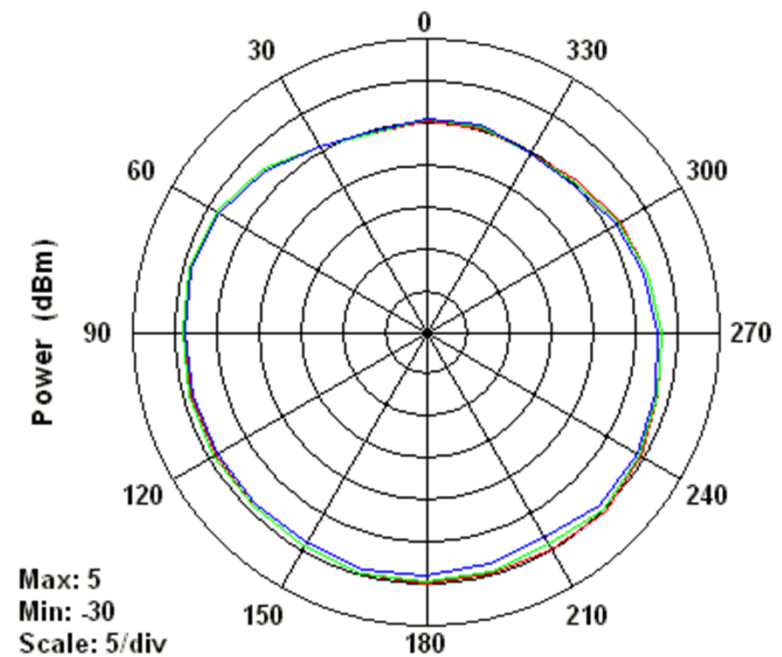


Radiation Pattern

2400 MHz
2450 MHz
2500 MHz



WTD03N



DWS08N

Peak Gain & Efficiency

SZ-WTD03N		
Freq. (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	41.54	0.51
2450	47.31	0.63
2500	42.11	-0.08

SZ-DWS08N		
Freq. (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	47.53	0.19
2450	45.93	-0.06
2500	40.97	-0.58

SERCOMM

www.sercomm.com