

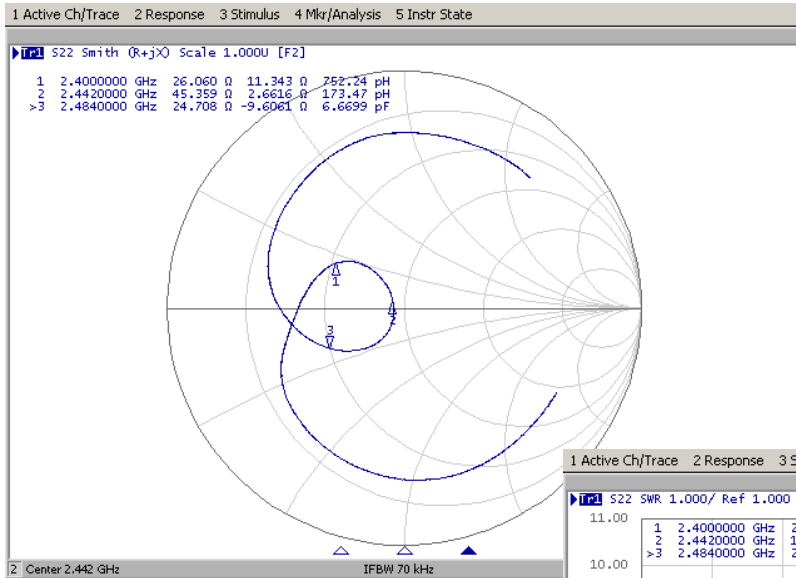
# Data Sheet– HP Mouse

**Customer:** Dafon  
**Project:** HP Mouse  
**Antenna:** AA055U  
**Version:** B  
**Release date:** 2022/04/21

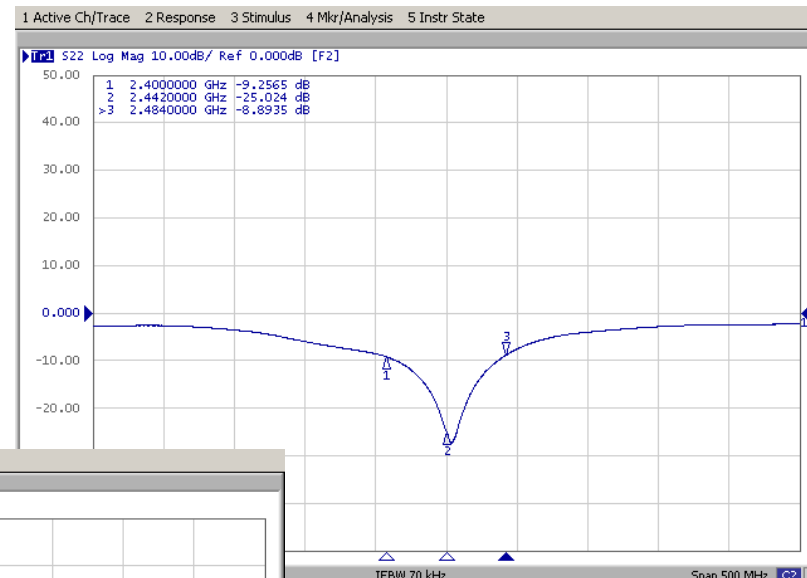
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Approved by: Mike Yang  
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Taoyuan City 325, Taiwan

## S-Parameters –Free space

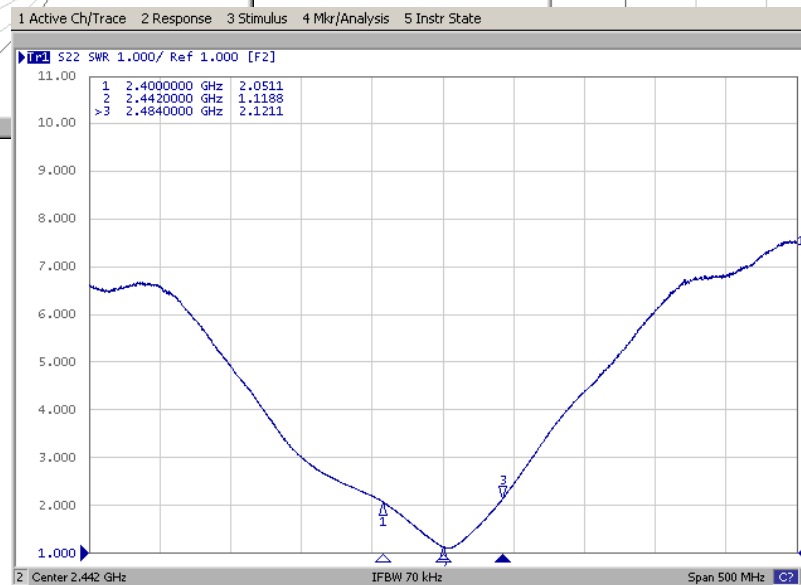
### Smith chart



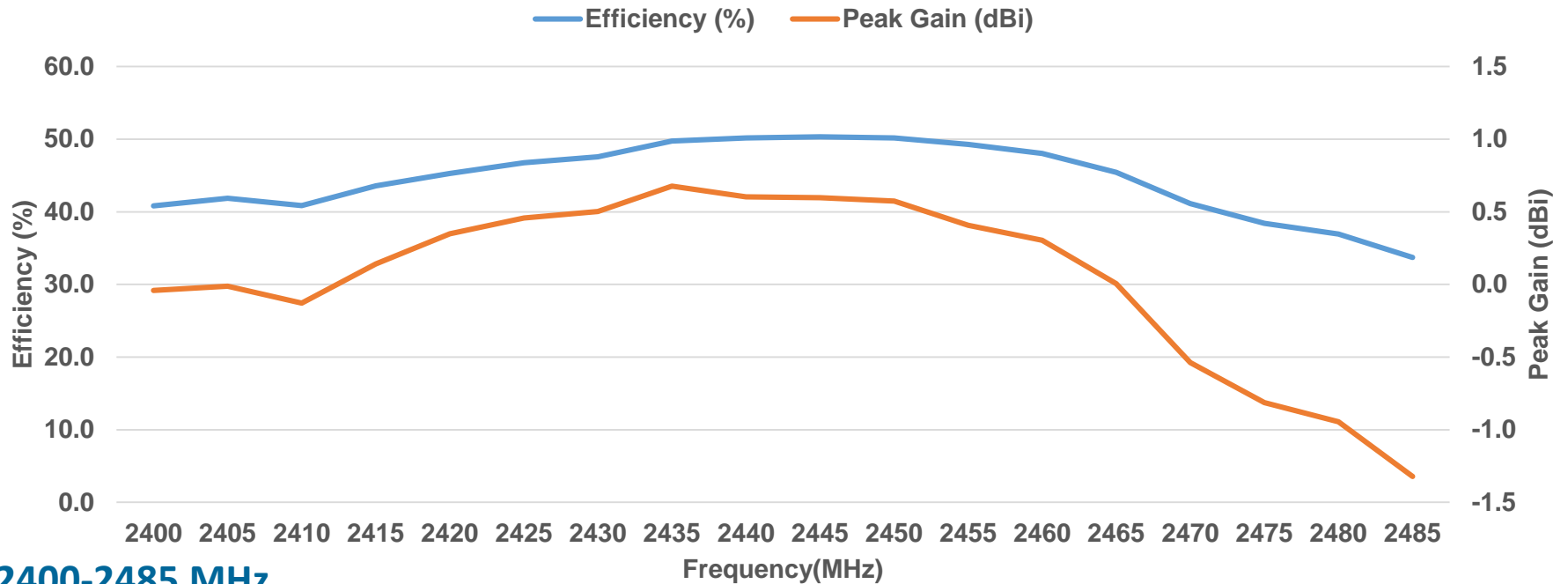
### Return loss



VSWR



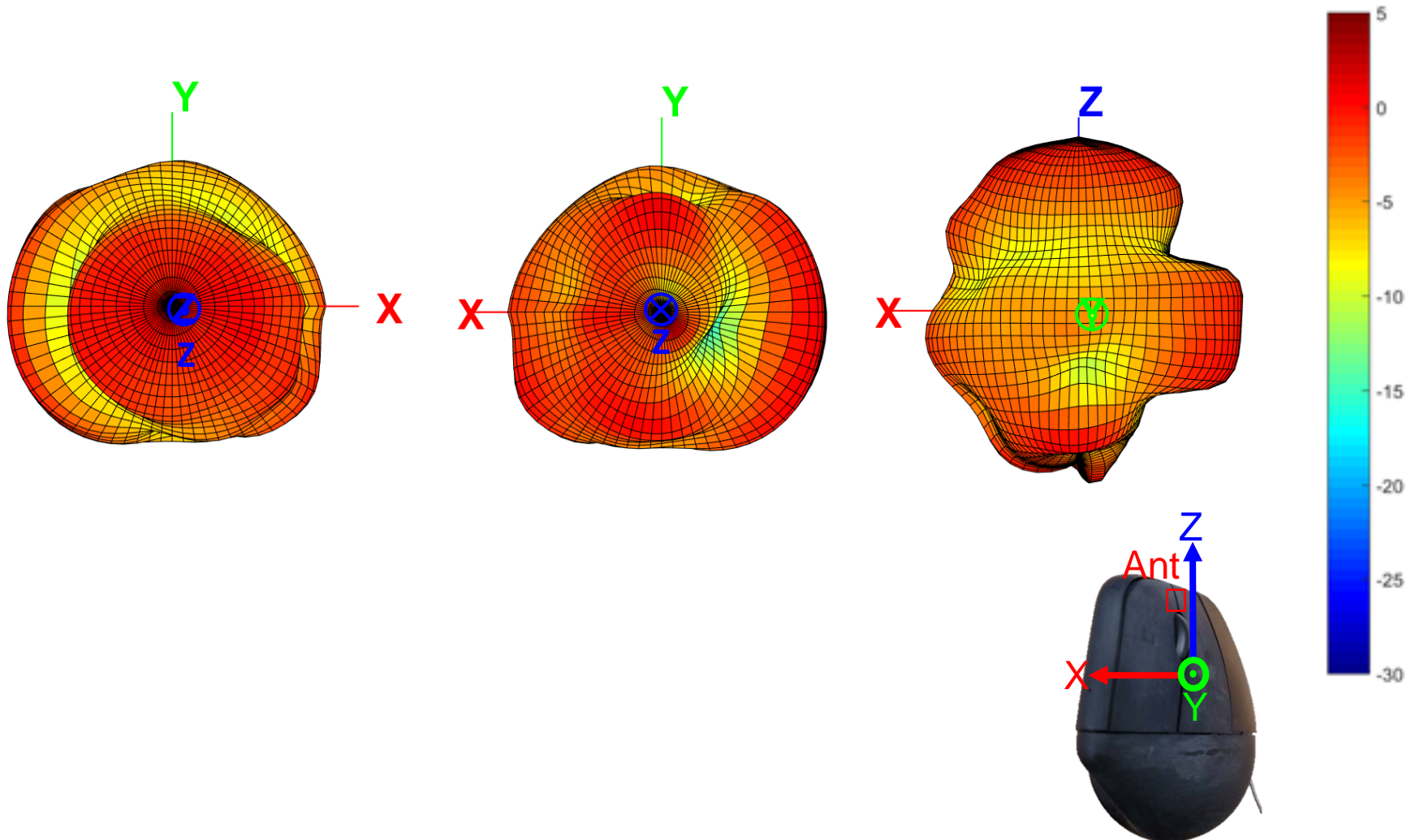
## Radiation efficiency and peak gain



### 2400-2485 MHz

Frequency (MHz)	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485
Efficiency (dB)	-3.9	-3.8	-3.9	-3.6	-3.4	-3.3	-3.2	-3.0	-3.0	-3.0	-3.0	-3.1	-3.2	-3.4	-3.9	-4.2	-4.3	-4.7
Efficiency (%)	40.8	41.9	40.8	43.6	45.3	46.7	47.6	49.7	50.2	50.3	50.2	49.3	48.0	45.4	41.1	38.4	36.9	33.7
Peak Gain (dBi)	0.0	0.0	-0.1	0.1	0.3	0.5	0.5	0.7	0.6	0.6	0.6	0.4	0.3	0.0	-0.5	-0.8	-0.9	-1.3

## 3D Gain Pattern (Radiation Pattern @ 2445 MHz) (unit: dBi)



## 2D Gain Pattern (Radiation Pattern @ 2445 MHz) (unit: dBi)

Color	Freq./Chan.
Red	2.445GHz

