

# Data Sheet-HP Dongle

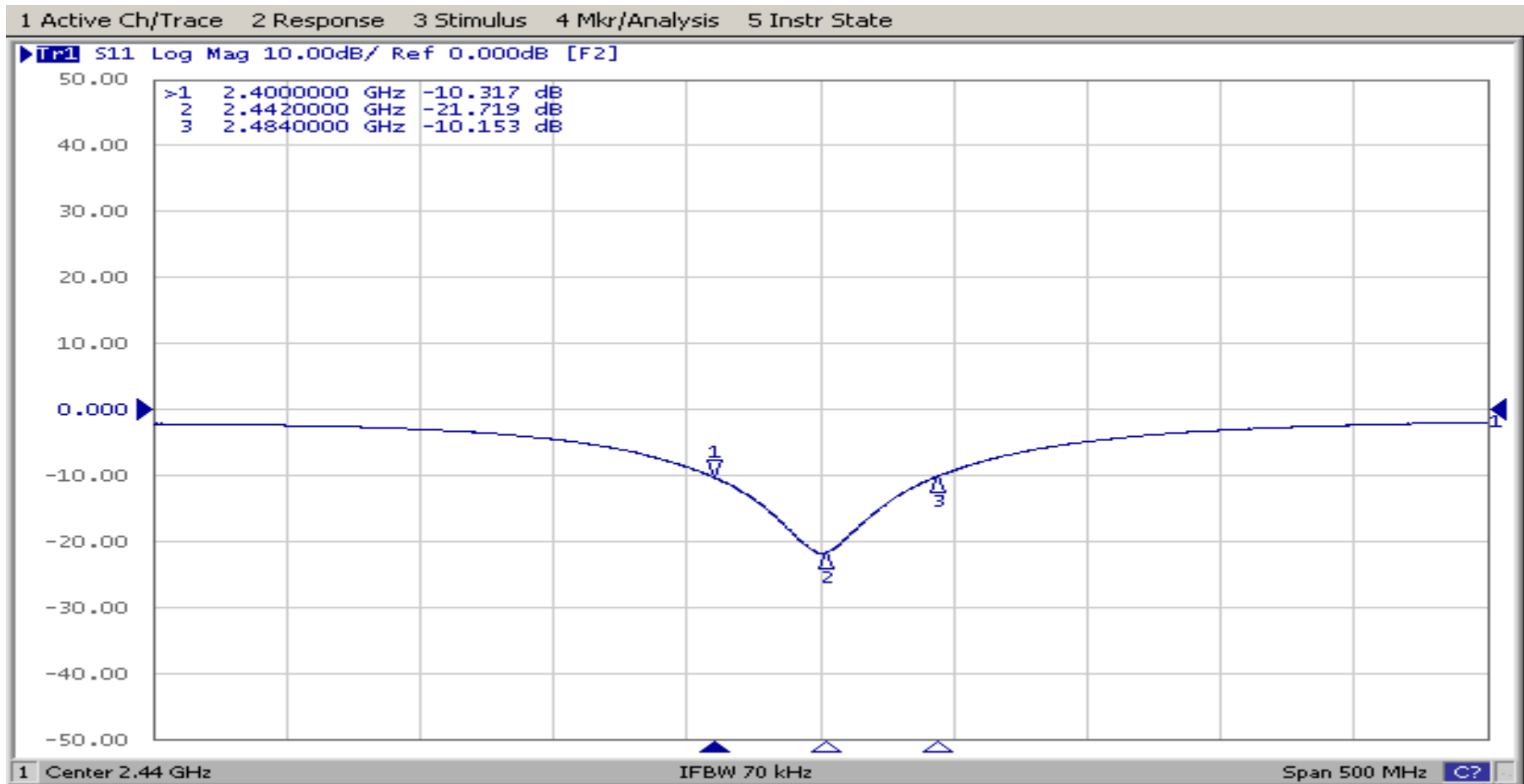
**Customer:** Dafon  
**Project:** HP Dongle  
**Antenna:** CW324S  
**Version:** C  
**Release date:** 2022/04/28

Note: Only radiated measurements are used to show compliance with FCC limits for fundamental and Spurious emissions.

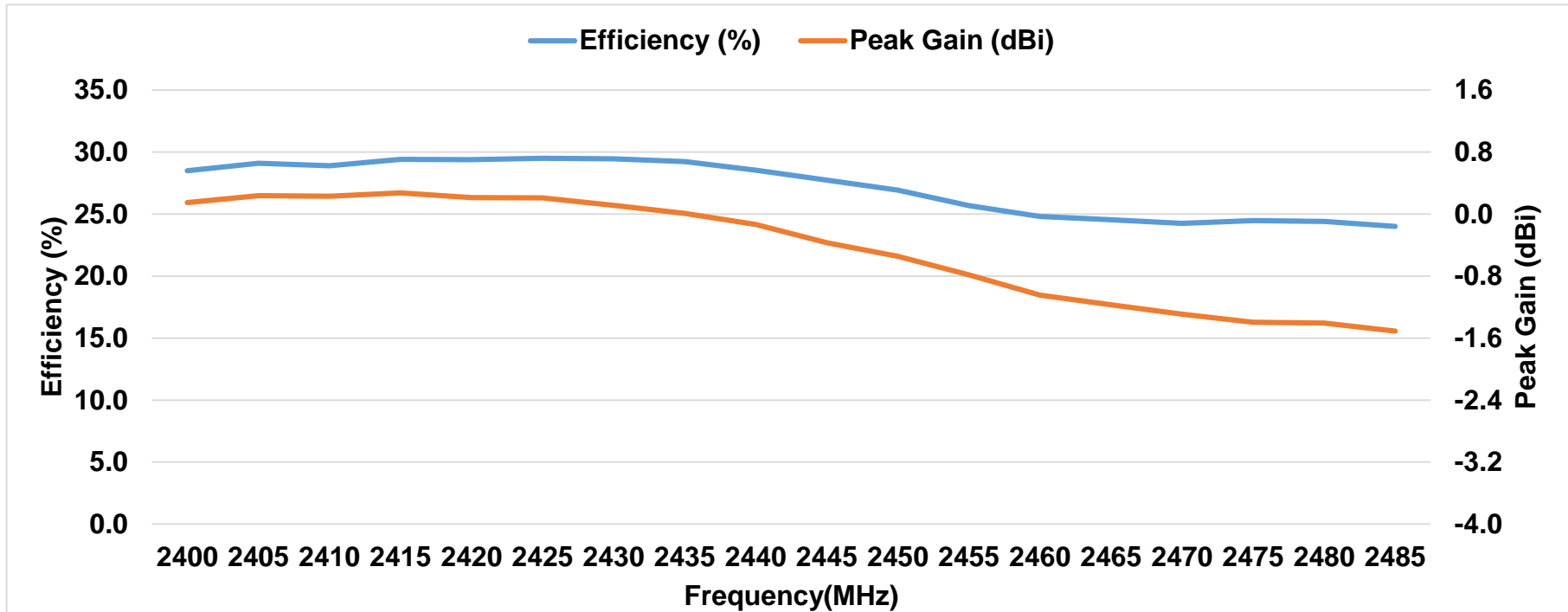
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## S-Parameters

### Return Loss



## Radiation efficiency and peak gain



Frequency (MHz)	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485
Efficiency (dB)	-5.5	-5.4	-5.4	-5.3	-5.3	-5.3	-5.3	-5.3	-5.4	-5.6	-5.7	-5.9	-6.1	-6.1	-6.2	-6.1	-6.1	-6.2
Efficiency (%)	28.5	29.1	28.9	29.4	29.4	29.5	29.5	29.2	28.5	27.7	26.9	25.7	24.8	24.5	24.2	24.5	24.4	24.0
Peak Gain (dBi)	0.1	0.2	0.2	0.3	0.2	0.2	0.1	0.0	-0.1	-0.4	-0.5	-0.8	-1.0	-1.2	-1.3	-1.4	-1.4	-1.5

## 3D Gain Pattern

Radiation Pattern @ 2445 MHz (unit: dBi)

