

# HyperX (HDT588) Antenna Radiation Report

*MERRY Sounds Excellent*

*Presented by : Merry\_RF  
Date : 2024.11*

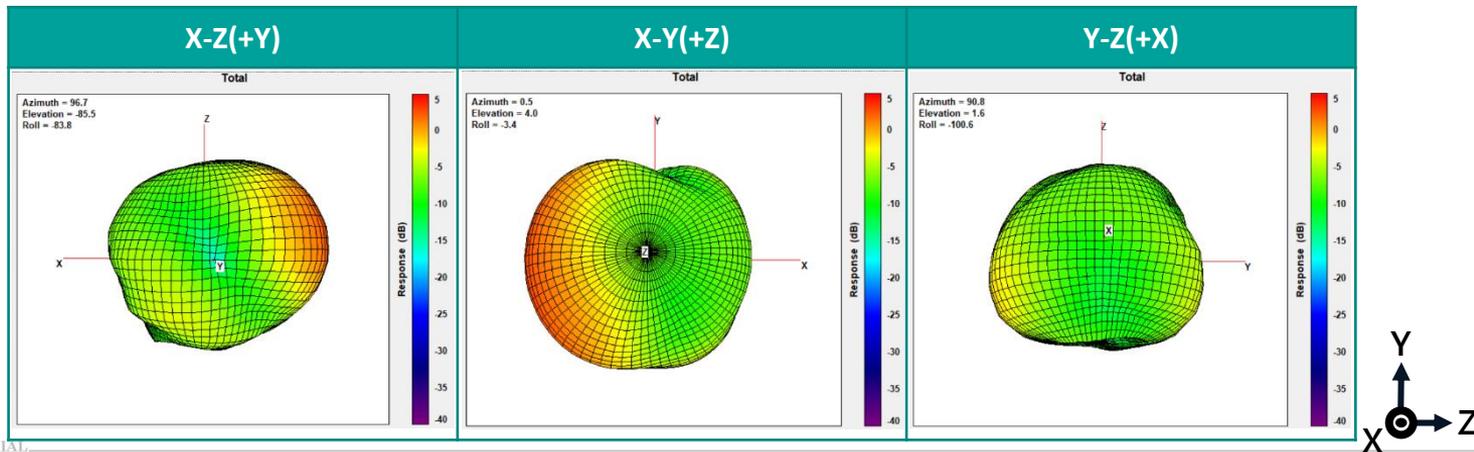
# Content

- Test Photo & Setting
- Measured result
  - Antenna Matching circuit
  - Antenna Efficiency & Gain
  - Radiation pattern

	Antenna Brand	Antenna model	Manufacturer address
<b>Headset</b> Ant.Type : Diople	Merry	09D40000000X	NO.22, 23rd road, Taichung Industrial Park, Taichung, 40850 Taiwan, R.O.C.
<b>DAC</b> Ant.Type : Diople	Merry	09D40000000W	NO.22, 23rd road, Taichung Industrial Park, Taichung, 40850 Taiwan, R.O.C.

# Antenna Efficiency & Gain – DAC

Model	<i>Merry_Dongle_HDT588_3D_Gain_FS_2300-2600MHz_Continuous</i>										
Test / Position	<i>3D Gain / FS</i>										
Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Peak EIRP (dBm)	3.10	3.02	2.95	2.80	2.73	2.66	2.55	2.54	2.52	2.62	2.65
Directivity (dBi)	5.67	5.57	5.48	5.38	5.31	5.26	5.23	5.28	5.29	5.31	5.31
Efficiency (dB)	-2.57	-2.55	-2.54	-2.58	-2.58	-2.60	-2.68	-2.73	-2.77	-2.69	-2.66
Efficiency (%)	55.34	55.58	55.76	55.15	55.17	54.92	53.91	53.27	52.90	53.79	54.23
Gain (dBi)	3.10	3.02	2.95	2.80	2.73	2.66	2.55	2.54	2.52	2.62	2.65



# ***Thank You***

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