

HyperX Cannon/Jericho/Sugar Glider DVT2 Antenna Radiation Report

MERRY Sounds Excellent

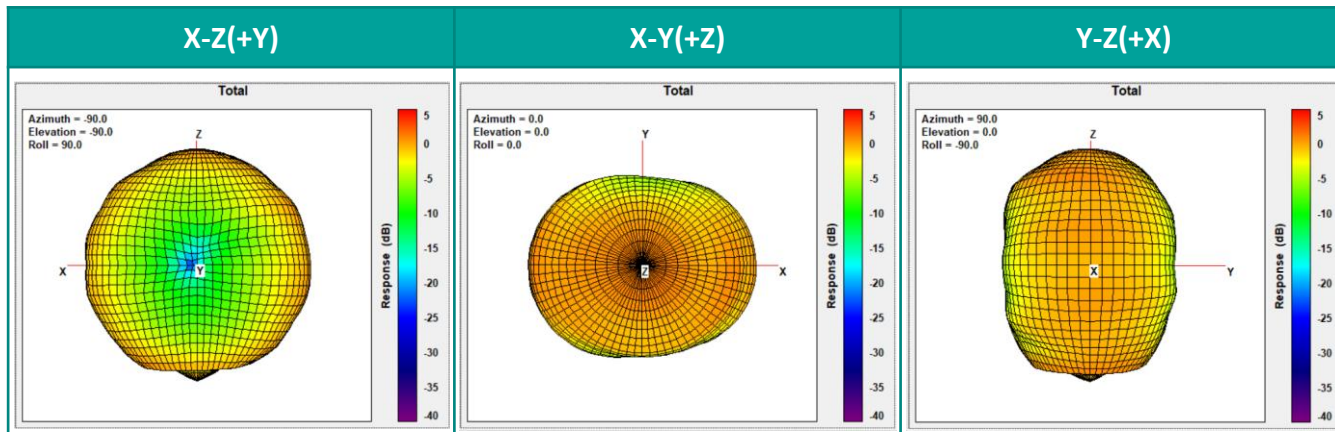
*Presented by : Merry_RF Eden
Date : 2025.12.08*

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- Test Photo & Setting
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Antenna Efficiency & Gain – Dongle_Xbox (Free Space)

Model	<i>Merry_HDT586_DONGLE_2.4G_XBOX_3D_FS_Gain_2300-2600MHz_Continuous</i>										
Test / Position	<i>3D Gain / FS</i>										
Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Directivity (dBi)	3.94	3.92	3.93	3.92	3.90	3.85	3.93	3.96	3.97	3.92	3.91
Efficiency (dB)	-1.96	-1.99	-2.01	-2.11	-2.19	-2.29	-2.40	-2.51	-2.59	-2.56	-2.60
Efficiency (%)	63.67	63.20	62.99	61.58	60.46	59.08	57.57	56.06	55.11	55.47	54.98
Gain (dBi)	1.98	1.93	1.92	1.81	1.71	1.57	1.53	1.44	1.39	1.36	1.31



Antenna Efficiency & Gain – Dongle_PC (Free Space)

Model	<i>Merry_HDT586_DONGLE_2.4G_PC_3D_FS_Gain_2300-2600MHz_Continuous</i>										
Test / Position	<i>3D Gain / FS</i>										
Frequency	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Directivity (dBi)	3.97	3.99	3.96	3.90	3.89	3.84	3.77	3.67	3.68	3.64	3.64
Efficiency (dB)	-2.01	-2.04	-2.08	-2.20	-2.31	-2.42	-2.56	-2.70	-2.77	-2.74	-2.79
Efficiency (%)	63.02	62.49	61.95	60.21	58.80	57.23	55.45	53.74	52.82	53.20	52.61
Gain (dBi)	1.96	1.95	1.88	1.70	1.59	1.42	1.21	0.97	0.91	0.90	0.85

