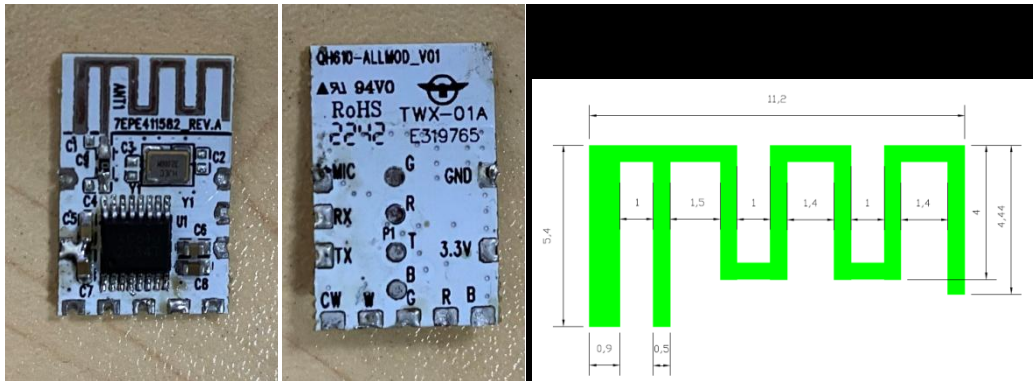


Antenna Spec

PRODUCT NAME: QH610-ALLMOD_V01

TYPE: GFSK

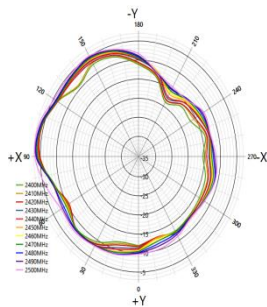
Channel List: 2402MHZ~2480MHZ



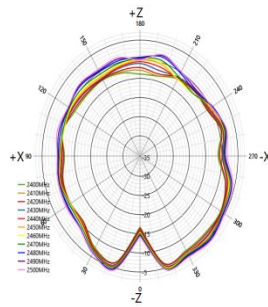
Passive Report

Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain(dBi)	-2.934	-2.818	-2.872	-2.55	-2.442	-2.283	-2.283	-2.263	-1.911	-1.828	-1.545
Efficiency(%)	11.06%	11.74%	11.88%	13.00%	13.56%	14.36%	14.61%	15.18%	16.80%	17.37%	18.65%
AverageGain(dBi)	-9.941	-9.702	-9.561	-9.212	-9.159	-8.966	-8.919	-8.873	-8.545	-8.393	-7.921
Efficiency(dB)	-9.564	-9.303	-9.253	-8.862	-8.676	-8.429	-8.353	-8.187	-7.747	-7.603	-7.292
MaxGainSite	120° / T 64	120° / T 64	120° / T 64	120° / T 64	120° / T 64	120° / T 64	120° / T 64	120° / T 64	120° / T 45	120° / T 45	120° / T 45
Directivity(dBi)	6.63	6.485	6.381	6.313	6.235	6.146	6.07	5.924	5.835	5.774	5.748
TRP (dBm)	-9.564	-9.303	-9.253	-8.862	-8.676	-8.429	-8.353	-8.187	-7.747	-7.603	-7.292
RCPGain(dBi)	0	0	0	0	0	0	0	0	0	0	0
LCPGain(dBi)	0	0	0	0	0	0	0	0	0	0	0
Front Back Ratio(dB)	9.792	9.562	9.386	9.094	8.535	8.161	8.005	7.703	7.547	7.628	7.476
Axial Ratio(dB)	0	0	0	0	0	0	0	0	0	0	0
Upper hemisphere(%)	44.281	44.634	44.893	44.875	44.863	44.73	44.726	45.095	45.416	45.484	46.092
Roundness (dB)	14.38	13.93	13.599	13.137	12.694	12.035	11.511	11.176	11.05	11.056	10.941
Cross Polar Ratio(dB)	14.192	14.466	14.716	15.093	15.266	15.321	15.887	33.05	33.996	33.142	34.106
Roll Off Factor (dB)	-2.366	-2.346	-2.196	-2.094	-2.065	-1.978	-1.868	-2.092	-2.177	-2.351	-2.731
3dB BeamWidth(Phi=0)	45	45	45	45	45	45	45	45	45	45	45
3dB BeamWidth(Phi=90)	24	26	26	26	27	26	26	26	26	26	27
AxialPositionGainTotal (dBi)	-13.932	-12.927	-12.243	-11.192	-10.708	-10.245	-9.989	-9.788	-9.553	-9.906	-10.148
Upper Hem Efficiency (%)	4.90%	5.24%	5.33%	5.83%	6.09%	6.42%	6.54%	6.85%	7.63%	7.90%	8.60%
Lower Hem Efficiency (%)	6.16%	6.50%	6.54%	7.16%	7.48%	7.94%	8.08%	8.34%	9.17%	9.47%	10.06%
Efficiency ThetaPol (%)	5.13%	5.42%	5.47%	5.96%	6.18%	6.51%	6.62%	6.81%	7.45%	7.64%	8.14%
Efficiency PhiPol (%)	5.93%	6.32%	6.41%	7.03%	7.38%	7.85%	7.99%	8.37%	9.36%	9.73%	10.52%

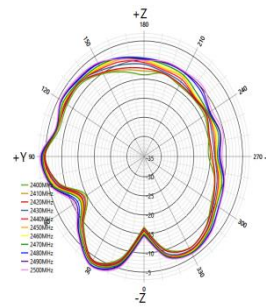
90 Total(H-XY):



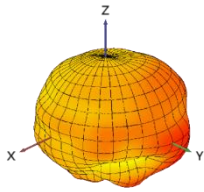
0 Total(E1-XZ):



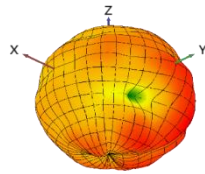
90 Total(E2-YZ):



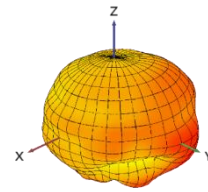
2400Mhz 3D Front:



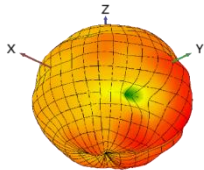
2400Mhz 3D Back:



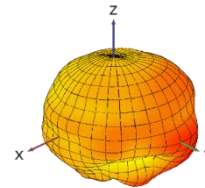
2410Mhz 3D Front:



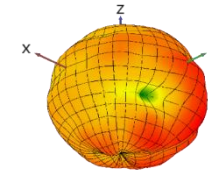
2410Mhz 3D Back:



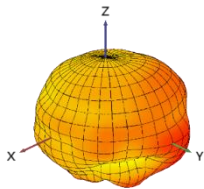
2420Mhz 3D Front:



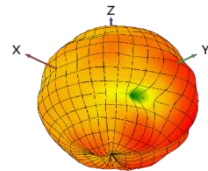
2420Mhz 3D Back:



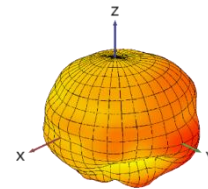
2430Mhz 3D Front:



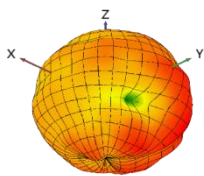
2430Mhz 3D Back:



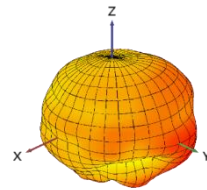
2440Mhz 3D Front:



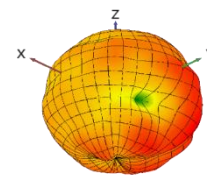
2440Mhz 3D Back:



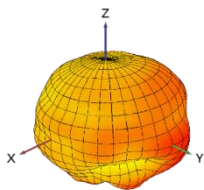
2450Mhz 3D Front:



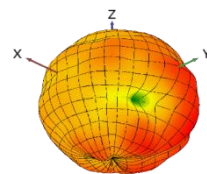
2450Mhz 3D Back:



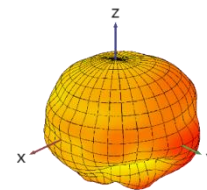
2460Mhz 3D Front:



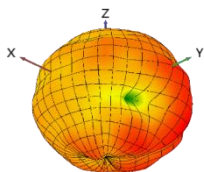
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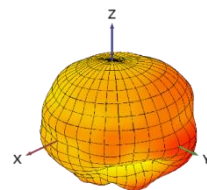
2470Mhz 3D Front:



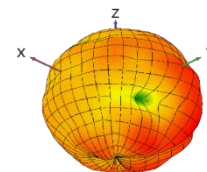
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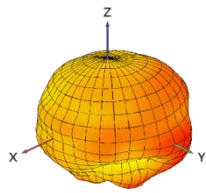
2480Mhz 3D Front:



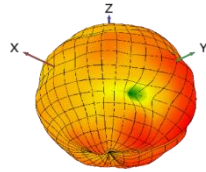
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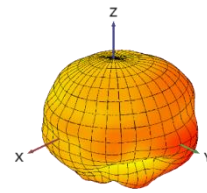
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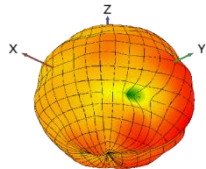
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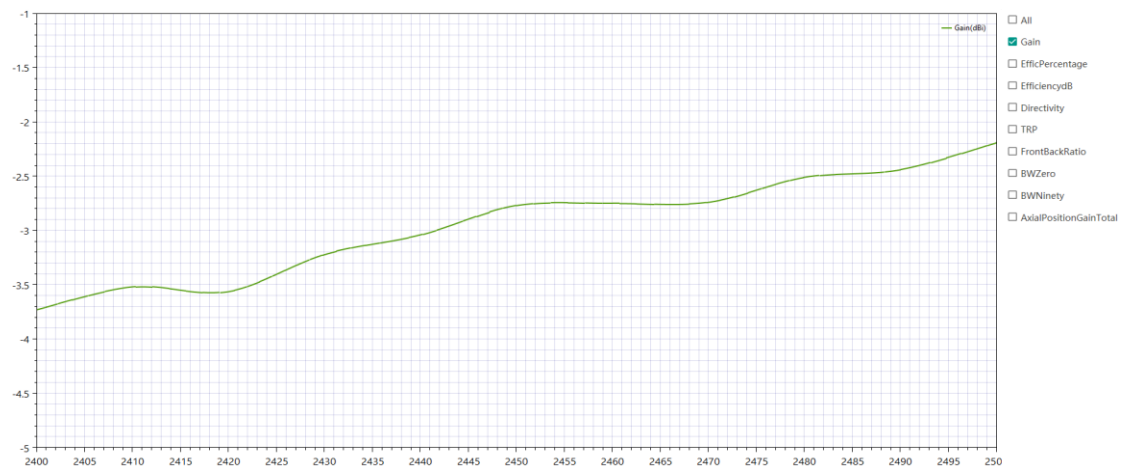
2500Mhz 3D Front:



2500Mhz 3D Back:



Gain:



Efficiency:

