

G.TECH TECHNOLOGY LTD.

No.8 Building, Jinyuan 1st Road, Tangjiawan Town, High Tech Industrial Zone, Zhuhai City,
Guangdong Province, P.R.China

Wireless Receiver, RG82

Antenna Layout

Unit: mm

Wireless Receiver, RG82 OTA test data

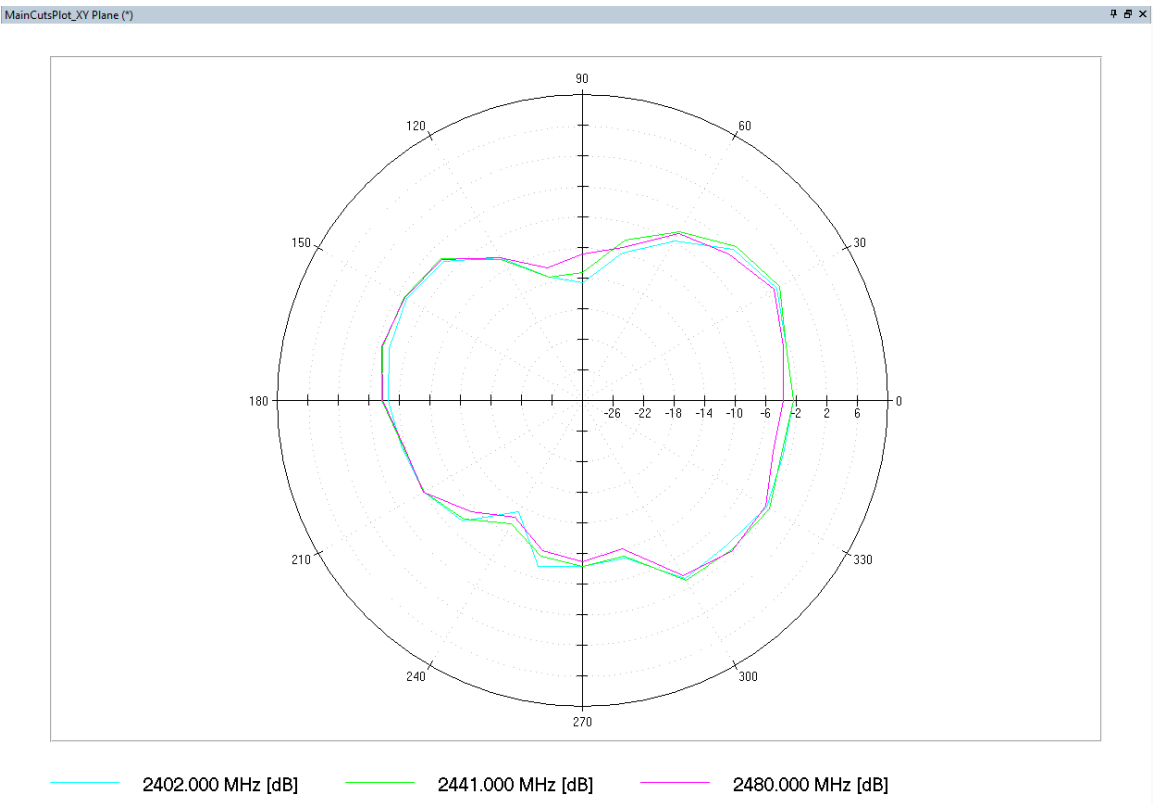
Max. Antenna gain is 1.44dBi.

Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Peak Gain (dBi)
2400.00	-3.44	45.31	1.44
2402.00	-3.56	44.02	1.38
2405.00	-3.59	43.74	1.44
2410.00	-3.46	45.09	1.43
2415.00	-3.74	42.27	1.16
2420.00	-3.76	42.03	1.14
2425.00	-3.76	42.04	1.06
2430.00	-3.72	42.47	1.22
2435.00	-3.56	44.04	1.32
2440.00	-3.54	44.27	1.12
2441.00	-3.51	44.55	1.15
2445.00	-3.48	44.91	1.25
2450.00	-3.54	44.25	1.12
2455.00	-3.49	44.79	1.08
2460.00	-3.55	44.13	0.90
2465.00	-3.82	41.52	0.79
2470.00	-3.96	40.16	0.63

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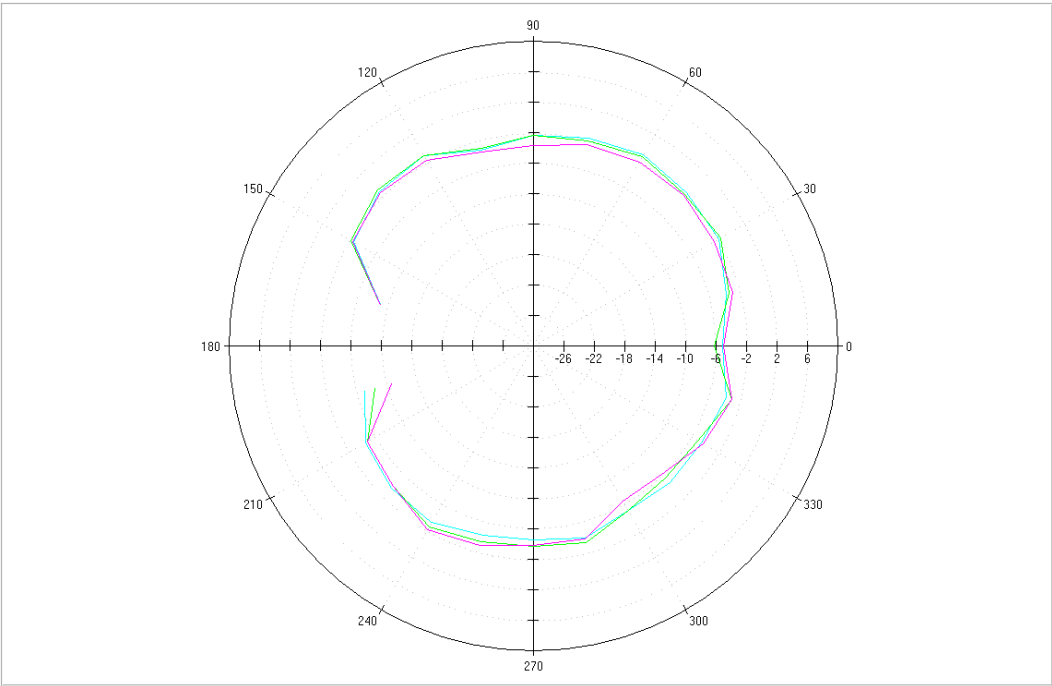
2475.00	-3.84	41.31	0.65
2480.00	-3.92	40.52	0.68
2485.00	-3.86	41.13	0.64
2490.00	-3.97	40.06	0.57
2495.00	-4.06	39.26	0.47
2500.00	-4.30	37.14	0.20

Wireless Receiver, RG82 OTA test phantom



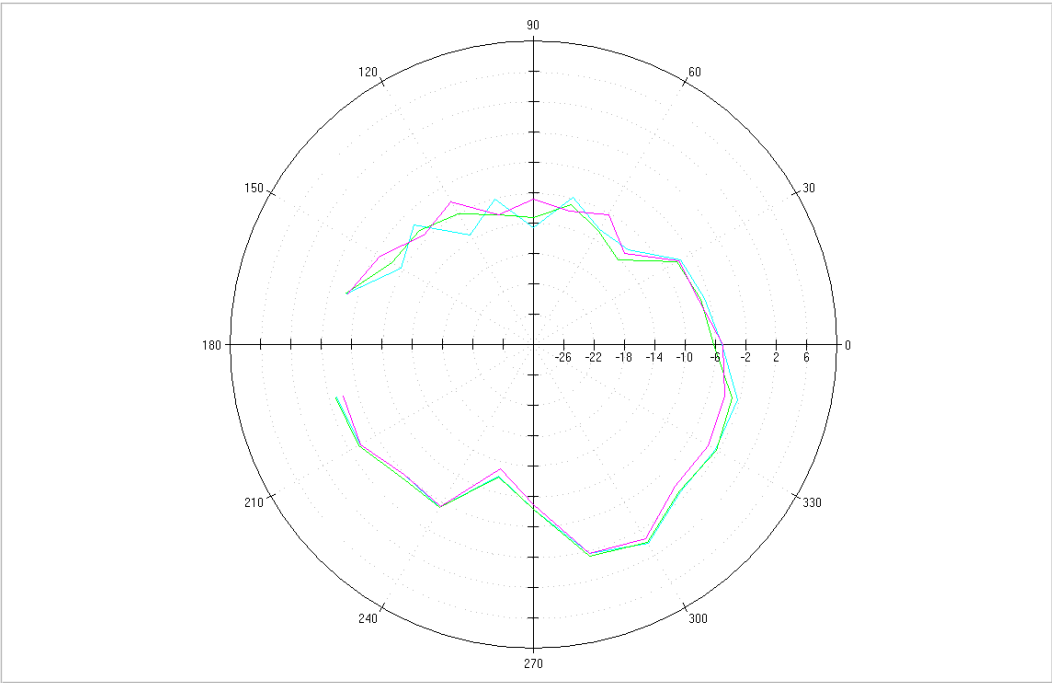
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MainCutsPlot_XZ Plane (*)



2402.000 MHz [dB] 2441.000 MHz [dB] 2480.000 MHz [dB]

MainCutsPlot_YZ Plane (*)

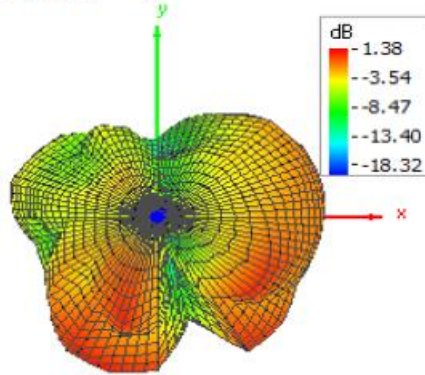


2402.000 MHz [dB] 2441.000 MHz [dB] 2480.000 MHz [dB]

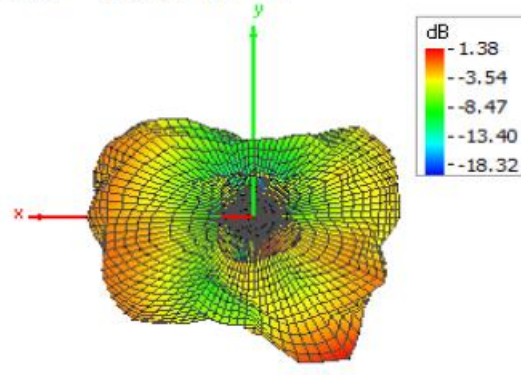
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2402MHz

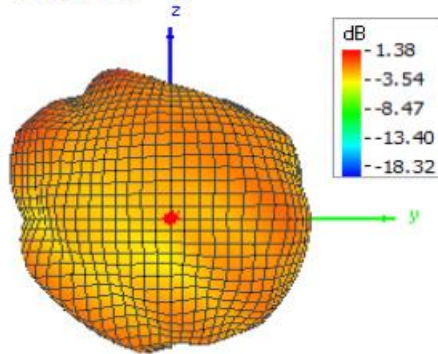
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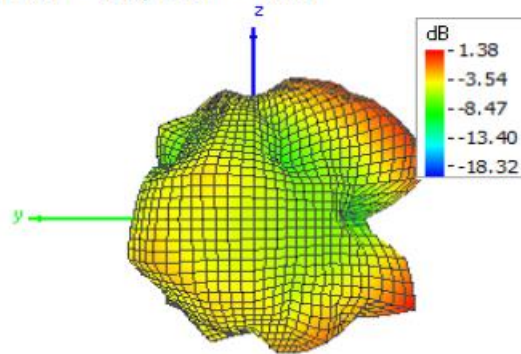
Theta = 180, Phi = 0



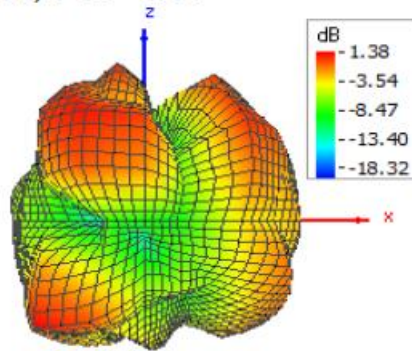
Theta = 90, Phi = 0



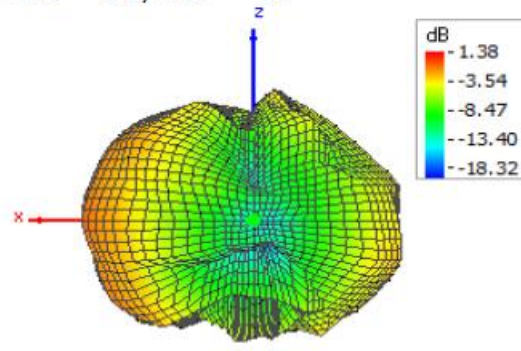
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90



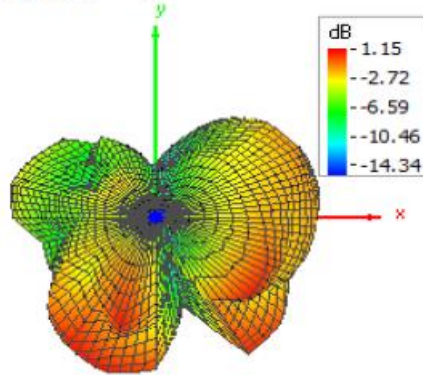
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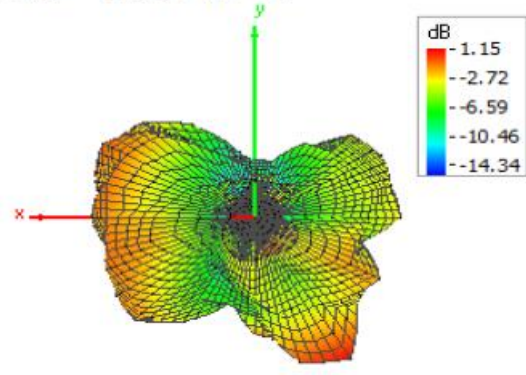
Guangdong Province, P.R.China

2441MHz

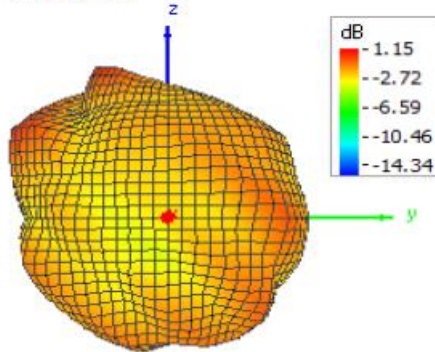
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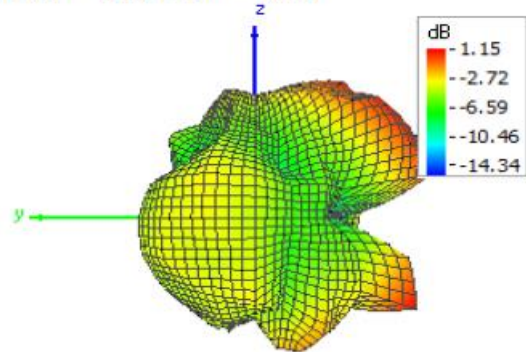
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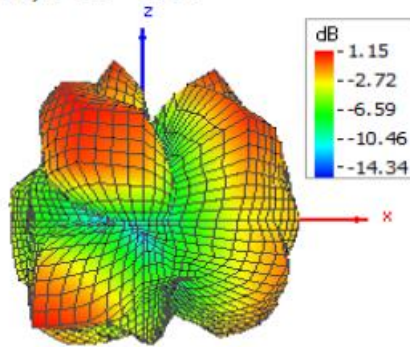
Theta = 90, Phi = 0



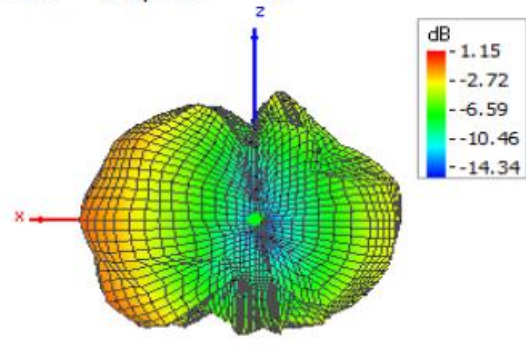
Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90



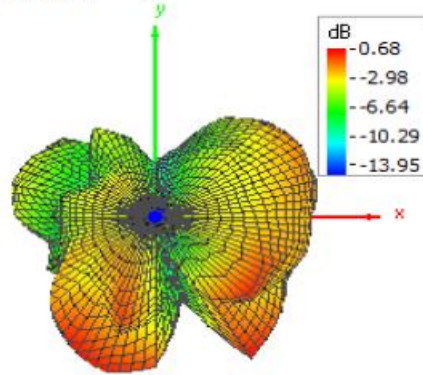
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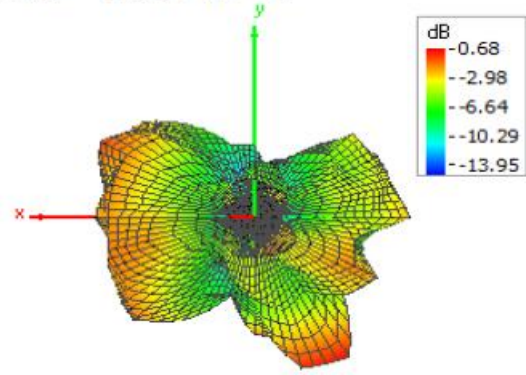
Guangdong Province, P.R.China

2480MHz

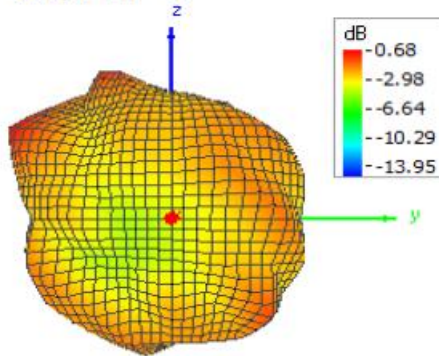
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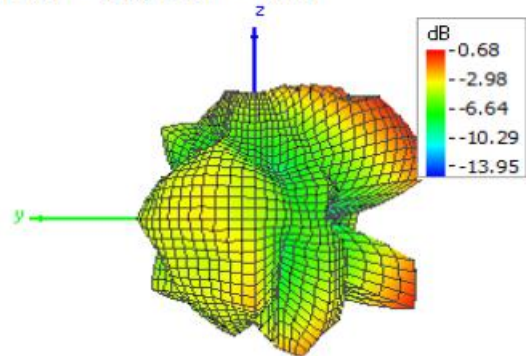
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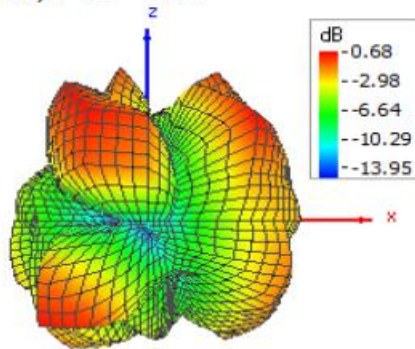
Theta = 90, Phi = 0



Theta = 90, Phi = 180



Theta = 90, Phi = 270



Theta = 90, Phi = 90

