

Report for Broadcom

Model:20210304H32 V1.5

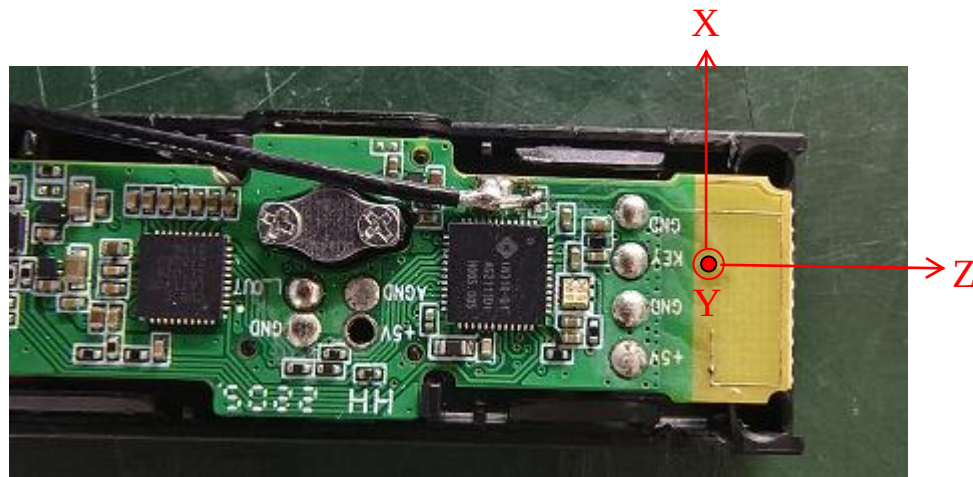
Godox Photo Equipment Co.,Ltd.

Tested Products.

- Antenna 1: integrated antenna.
 - Frequency = 2.402GHz.
 - Frequency = 2.441GHz.
 - Frequency = 2.480GHz.

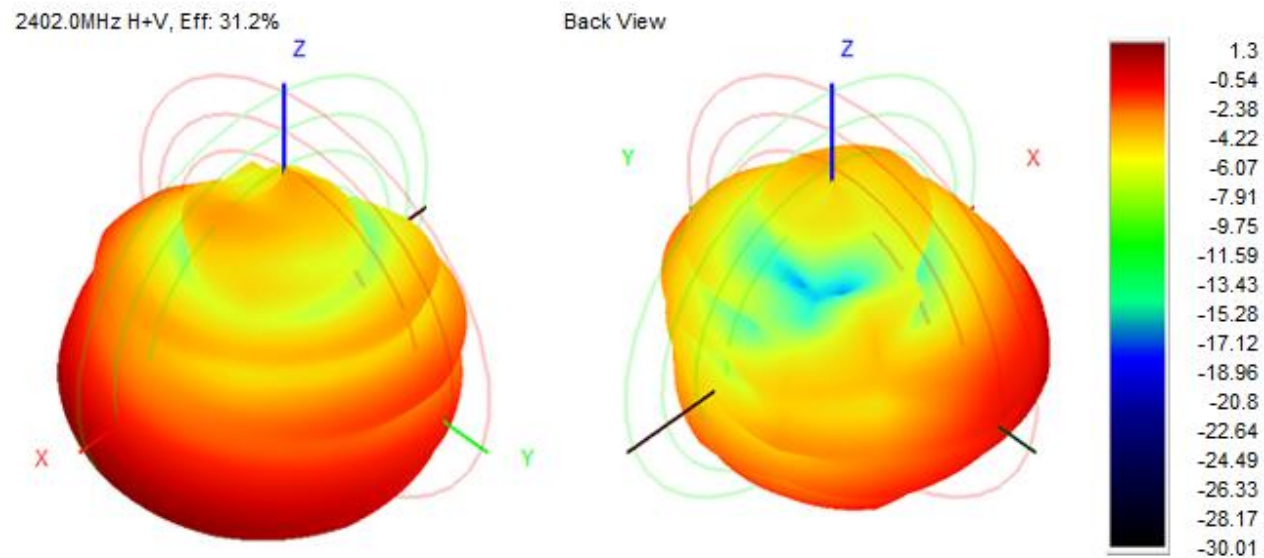
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Coordinate System Reference: Antenna-RX



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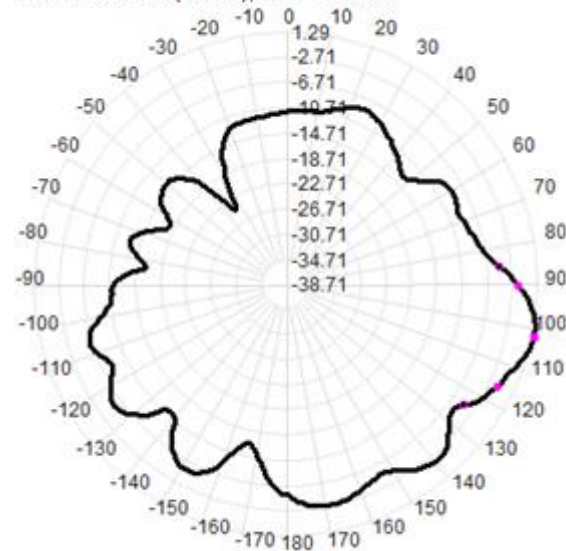
Radiation pattern: Antenna-RX 3DPattern at $f = 2.402\text{GHz}$



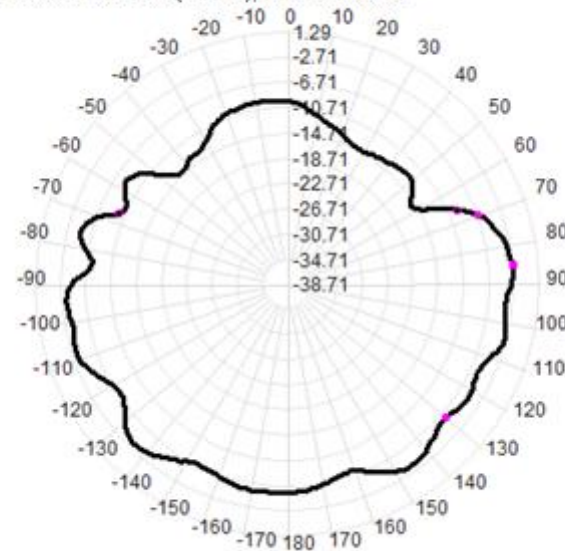
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Radiation pattern: Antenna-RX 2DPattern at $f = 2.402\text{GHz}$

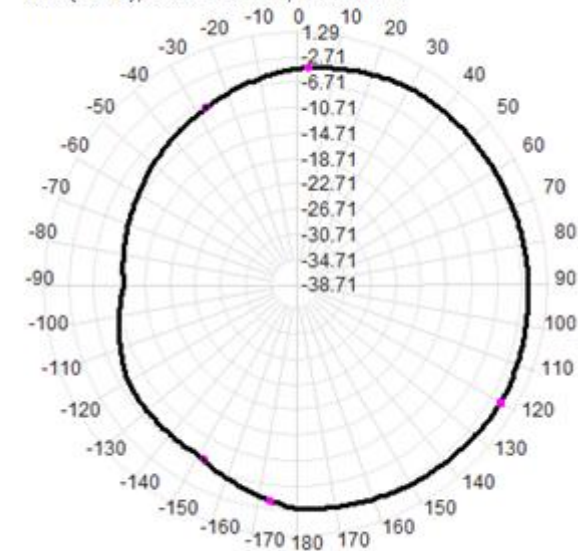
2402.0MHz Total(E1-XZ), Max= 1.29dBi



2402.0MHz Total(E2-YZ), Max= -3.04dBi

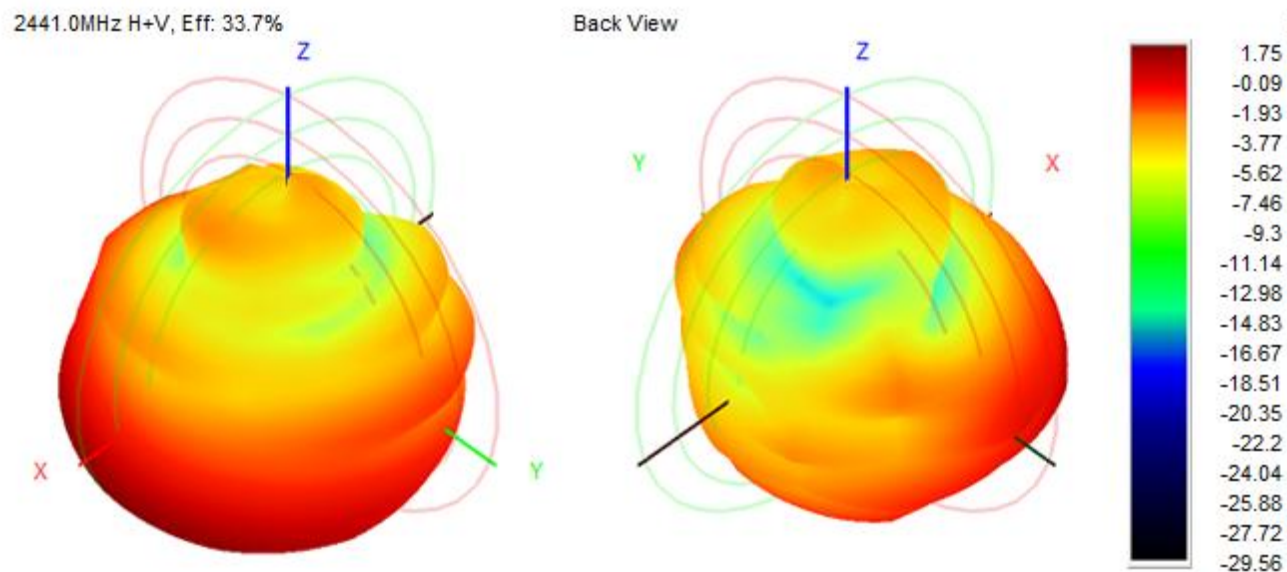


Total(H-XY), Max= -1.33dBi, CirD=10.12



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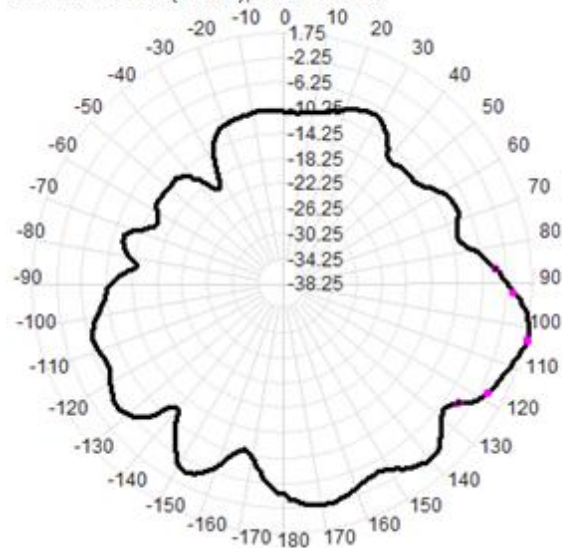
Radiation pattern: Antenna-RX 3DPattern at $f = 2.441\text{GHz}$



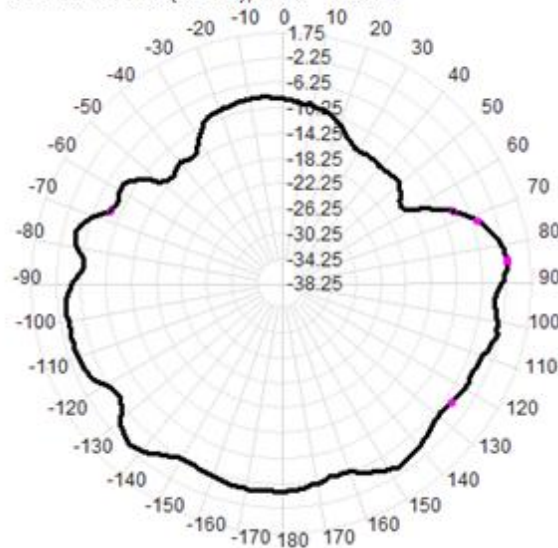
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Radiation pattern: Antenna-RX 2D Pattern at $f = 2.441\text{GHz}$

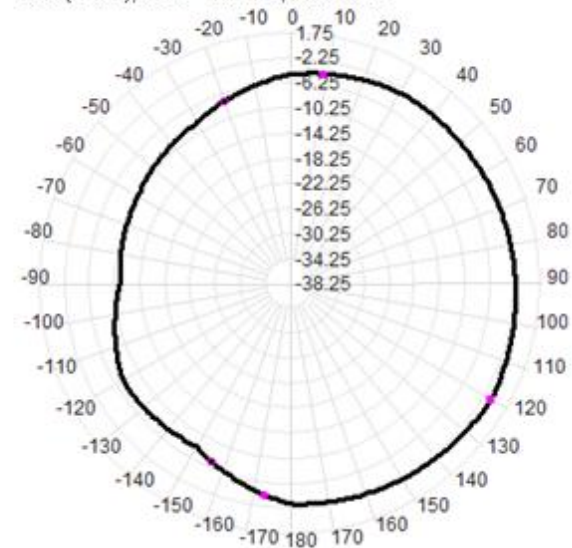
2441.0MHz Total(E1-XZ), Max= 1.75dBi



2441.0MHz Total(E2-YZ), Max= -2.23dBi

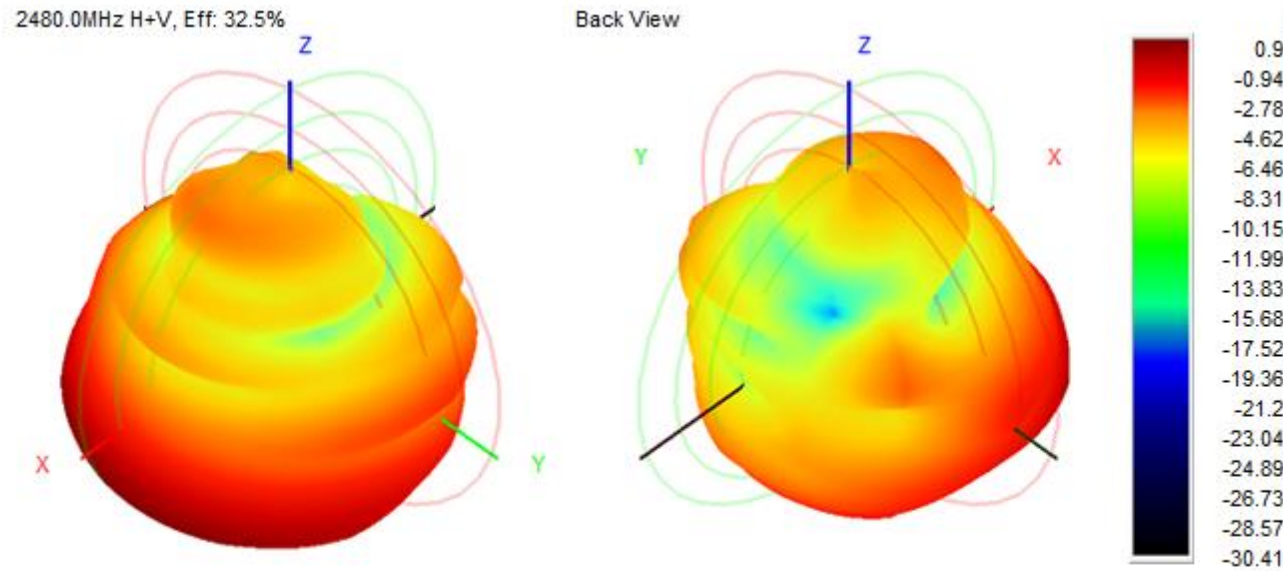


Total(H-XY), Max= -1.36dBi, CirD=9.82



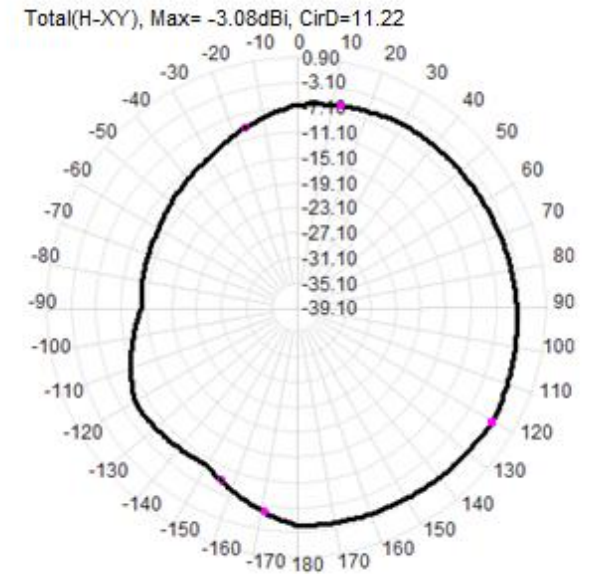
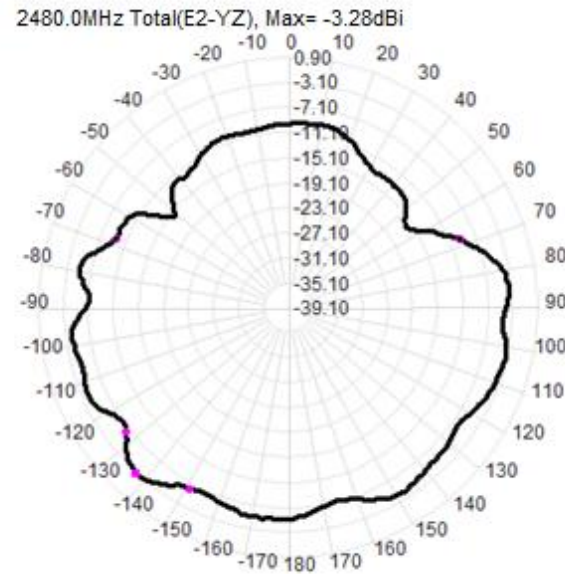
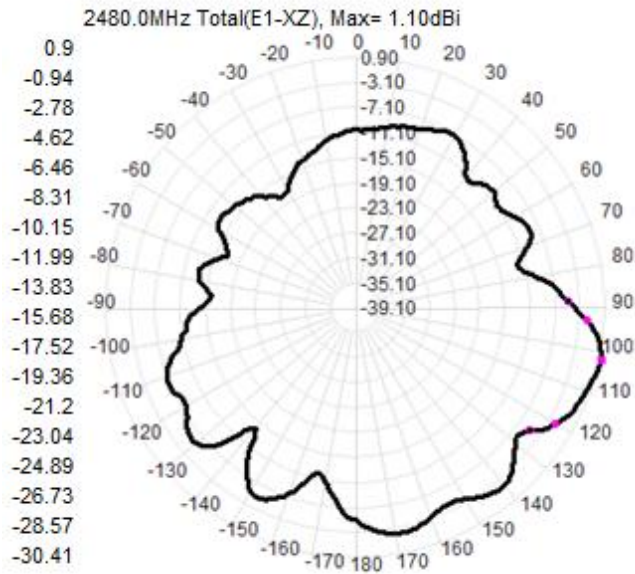
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Radiation pattern: Antenna-RX 3DPattern at $f = 2.48\text{GHz}$



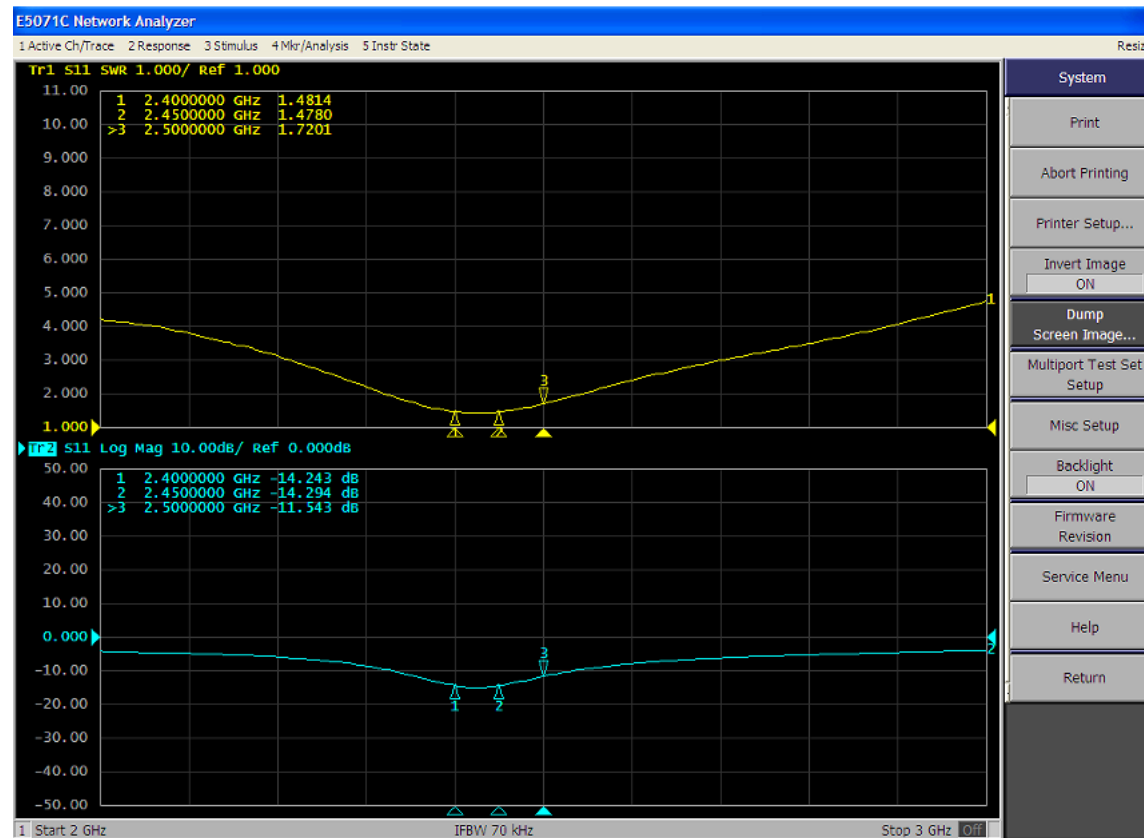
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Radiation pattern: Antenna-RX 2DPattern at $f = 2.48\text{GHz}$



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Return Loss: Antenna 1



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Measurements summary

Frequency ID	1	2	3
Frequency (MHz)	2402.0	2440.0	2480.0
Gain (dBi)	1.30	1.75	1.10
Efficiency (%)	31.25	33.67	32.51
Directivity (dB)	7.11	7.18	7.01
Peak Gain Position (Theta)	78.00	77.00	78.00
Peak Gain Position (Phi)	30.00	0.00	0.00
Efficiency ThetaPol (%)	20.84	22.19	18.34
Efficiency PhiPol (%)	5.40	6.48	6.17
Upper Hem. Efficiency (%)	6.17	6.73	5.20
Lower Hem. Efficiency (%)	20.08	21.94	19.31