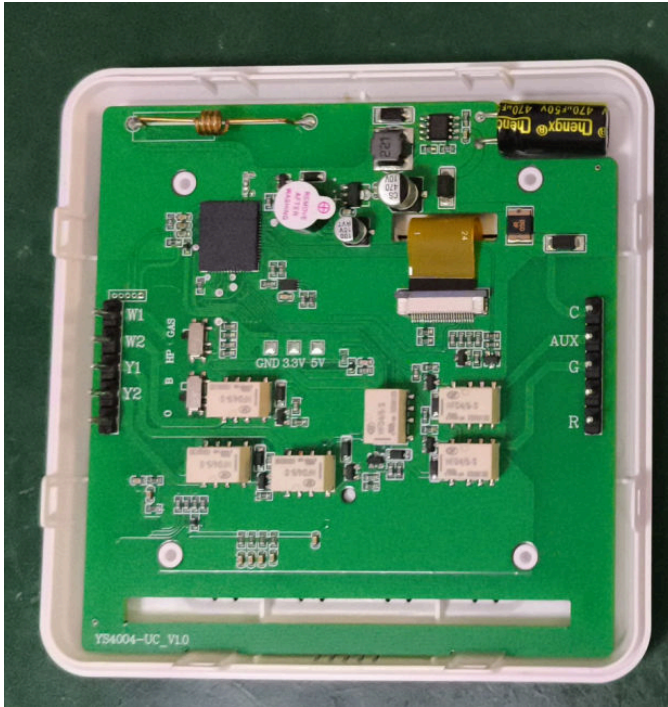
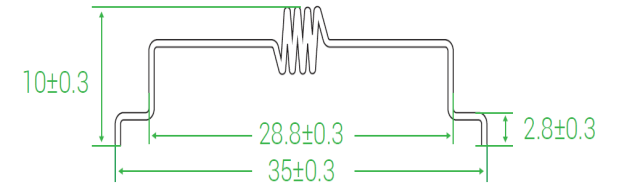


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- 2: The test project
 - 1. Antenna Matching Network
 - 2. Gain & Efficiency
 - 3. The Free Space 3D Data



unit:mm

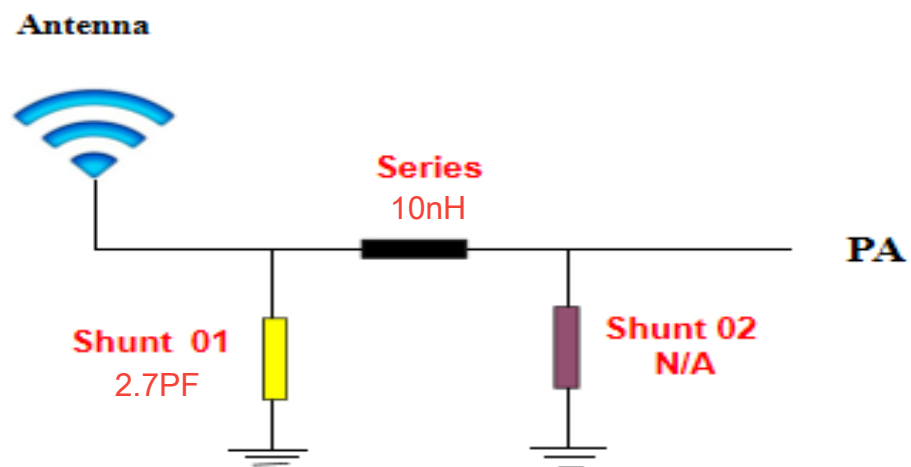


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Location	Description
Shunt 01	2.7PF
Series	10nH
Shunt 02	N/A

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915 Aatenna Gain&Efficiency

Frequency ID	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Frequency (MHz)	800.0	805.0	810.0	815.0	820.0	825.0	830.0	835.0	840.0	845.0	850.0	855.0	860.0	865.0	870.0
Efficiency (dBi)	-9.06	-8.88	-8.73	-8.49	-8.20	-7.91	-7.62	-7.28	-6.97	-6.71	-6.50	-6.32	-6.16	-6.03	-5.95
Gain (dBi)	-4.97	-4.74	-4.63	-4.58	-4.44	-4.34	-4.11	-3.88	-3.66	-3.60	-3.64	-3.43	-3.16	-2.88	-2.66
Efficiency (%)	12.41	12.93	13.41	14.16	15.12	16.17	17.30	18.69	20.07	21.32	22.39	23.32	24.20	24.95	25.40

Frequency ID	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Frequency (MHz)	875.0	880.0	885.0	890.0	895.0	900.0	905.0	910.0	915.0	920.0	925.0	930.0	935.0	940.0	945.0
Efficiency (dBi)	-5.87	-5.79	-5.74	-5.65	-5.48	-5.33	-5.20	-5.07	-4.93	-4.79	-4.67	-4.62	-4.54	-4.43	-4.37
Gain (dBi)	-2.48	-2.28	-2.20	-2.14	-1.95	-1.85	-1.80	-1.71	-1.63	-1.51	-1.43	-1.33	-1.22	-1.03	-0.89
Efficiency (%)	25.86	26.39	26.65	27.22	28.31	29.33	30.20	31.13	32.14	33.20	34.10	34.48	35.17	36.10	36.55

Frequency ID	31	32	33	34	35	36	37								
Frequency (MHz)	950.0	955.0	960.0	965.0	970.0	975.0	980.0								
Efficiency (dBi)	-4.40	-4.41	-4.39	-4.40	-4.45	-4.50	-4.50								
Gain (dBi)	-0.81	-0.72	-0.58	-0.52	-0.46	-0.48	-0.48								
Efficiency (%)	36.34	36.23	36.36	36.28	35.89	35.46	35.45								

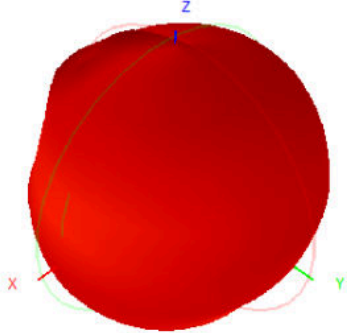
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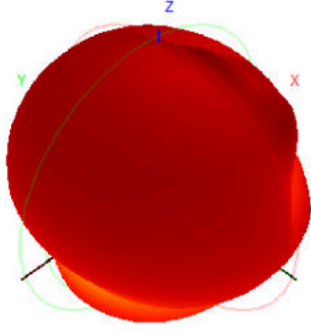
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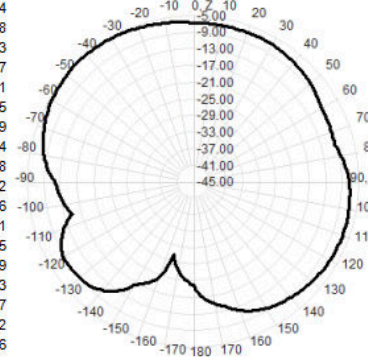
825.0MHz H+V, Eff: 16.2%



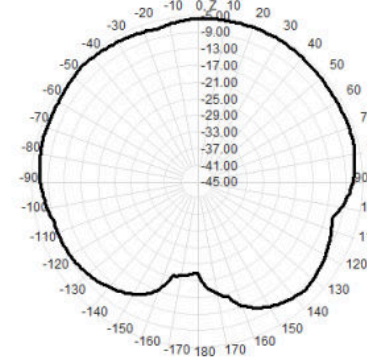
Back View



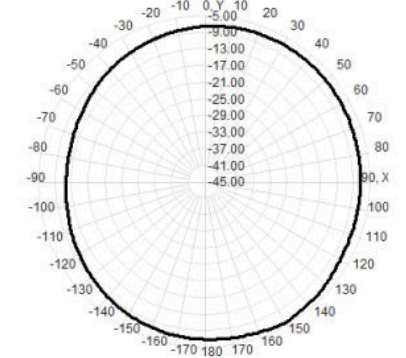
825.0MHz Total(E1-XZ), Max=-5.00dBi



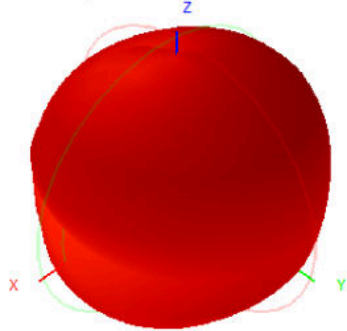
825.0MHz Total(E2-YZ), Max=-5.54dBi



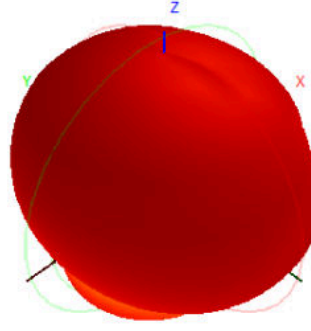
Total(H-XY), Max=-6.05dBi, CirD=5.72



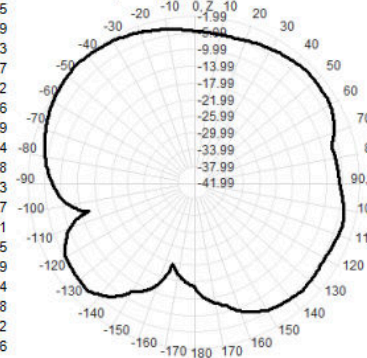
900.0MHz H+V, Eff: 29.3%



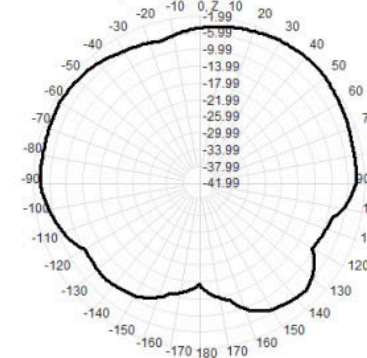
Back View



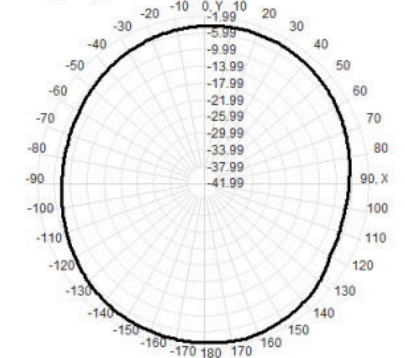
900.0MHz Total(E1-XZ), Max=-1.99dBi



900.0MHz Total(E2-YZ), Max=-2.23dBi



Total(H-XY), Max=-3.36dBi, CirD=4.65



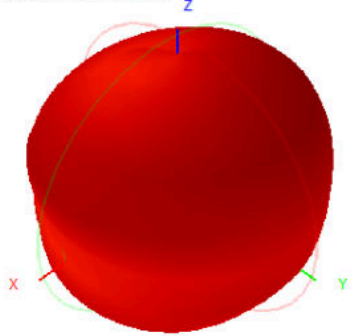
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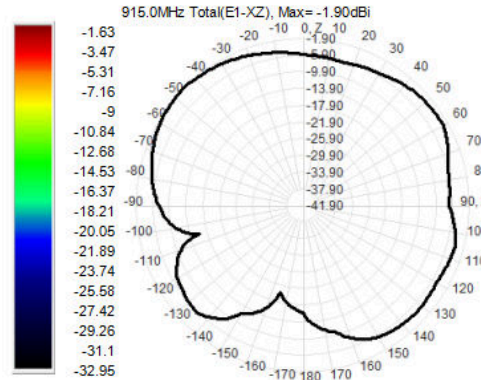
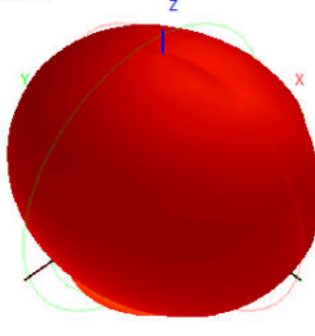
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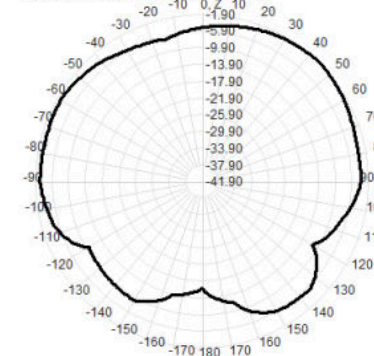
915.0MHz H+V, Eff: 32.1%



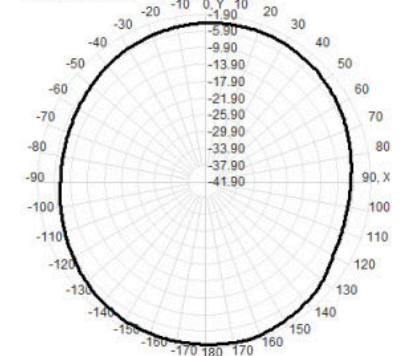
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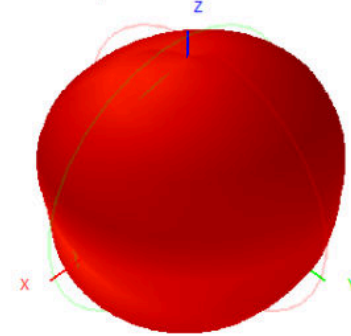
915.0MHz Total(E2-YZ), Max=-1.92dBi



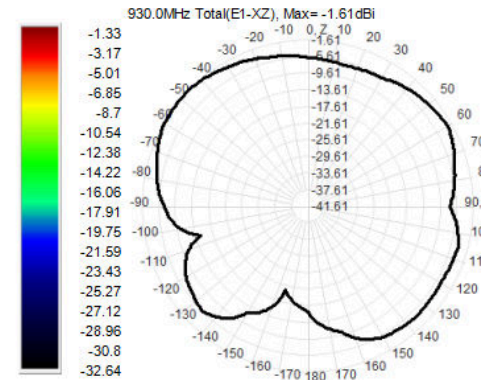
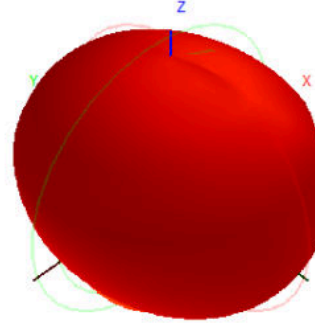
Total(H-XY), Max=-2.75dBi, CirD=4.74



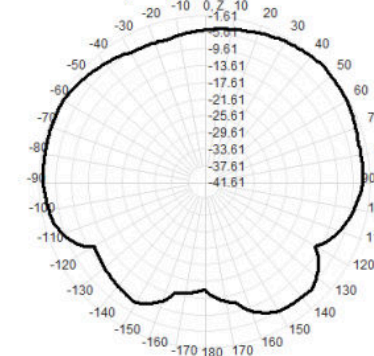
930.0MHz H+V, Eff: 34.5%



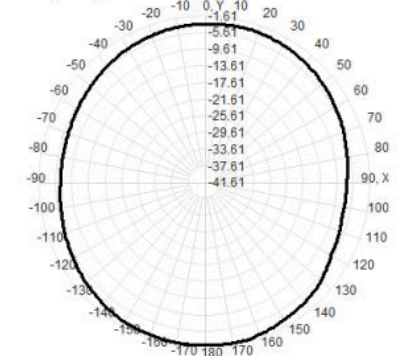
Back View



930.0MHz Total(E2-YZ), Max=-1.71dBi



Total(H-XY), Max=-2.46dBi, CirD=5.08



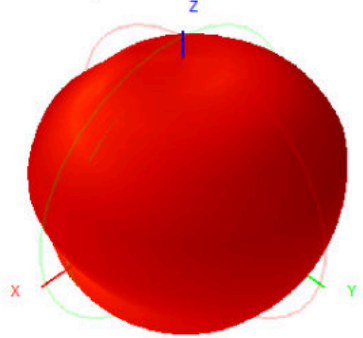
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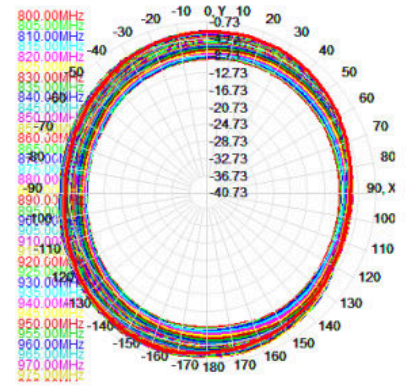
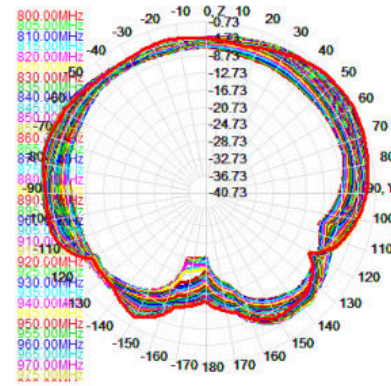
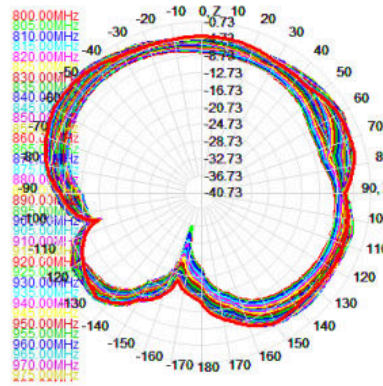
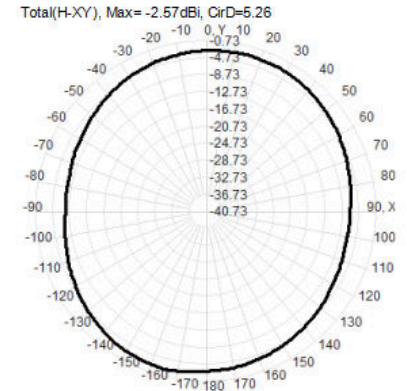
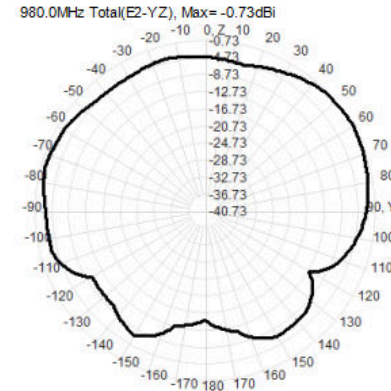
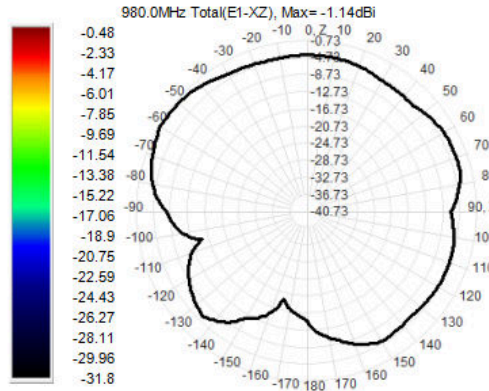
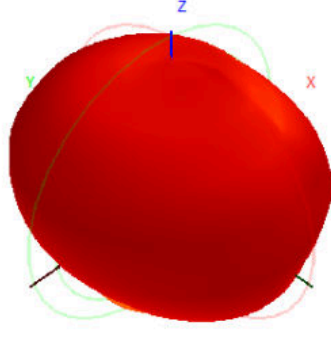
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980.0MHz H+V, Eff: 35.5%



Back View



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THANKS

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