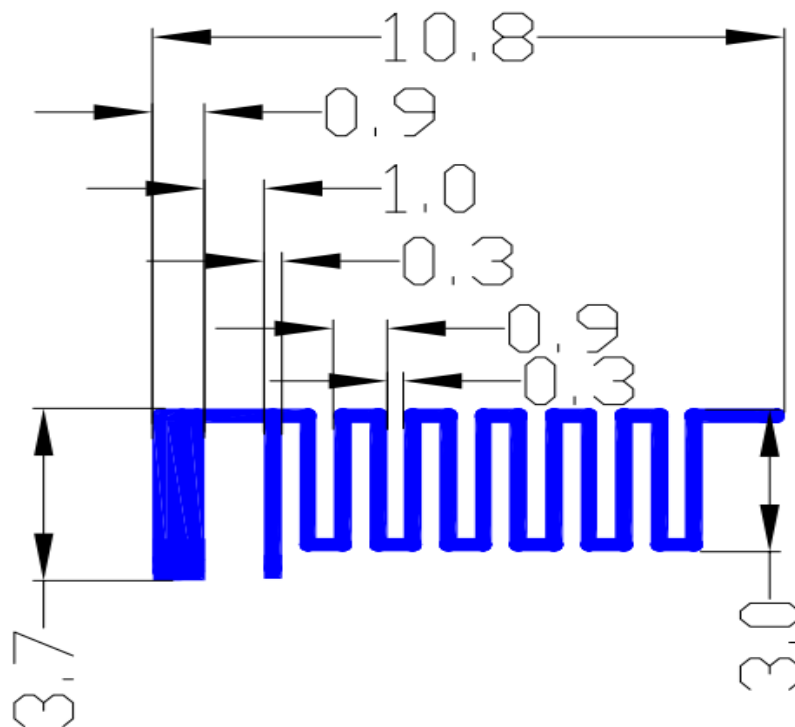


Inverted F Antenna Specification

Summary

ITEM	ANT SPEC
Model Name	2.4G ANT
MAX. Gain	4.16dBi
Polarization	Horizontal and Vertical
Azimuth Beam Pattern	Omni-directional
Impedance	50 Ohm
Antenna Length	38.20mm
Manufacture	ZHUHAI JIELI TECHNOLOGY CO.,LTD

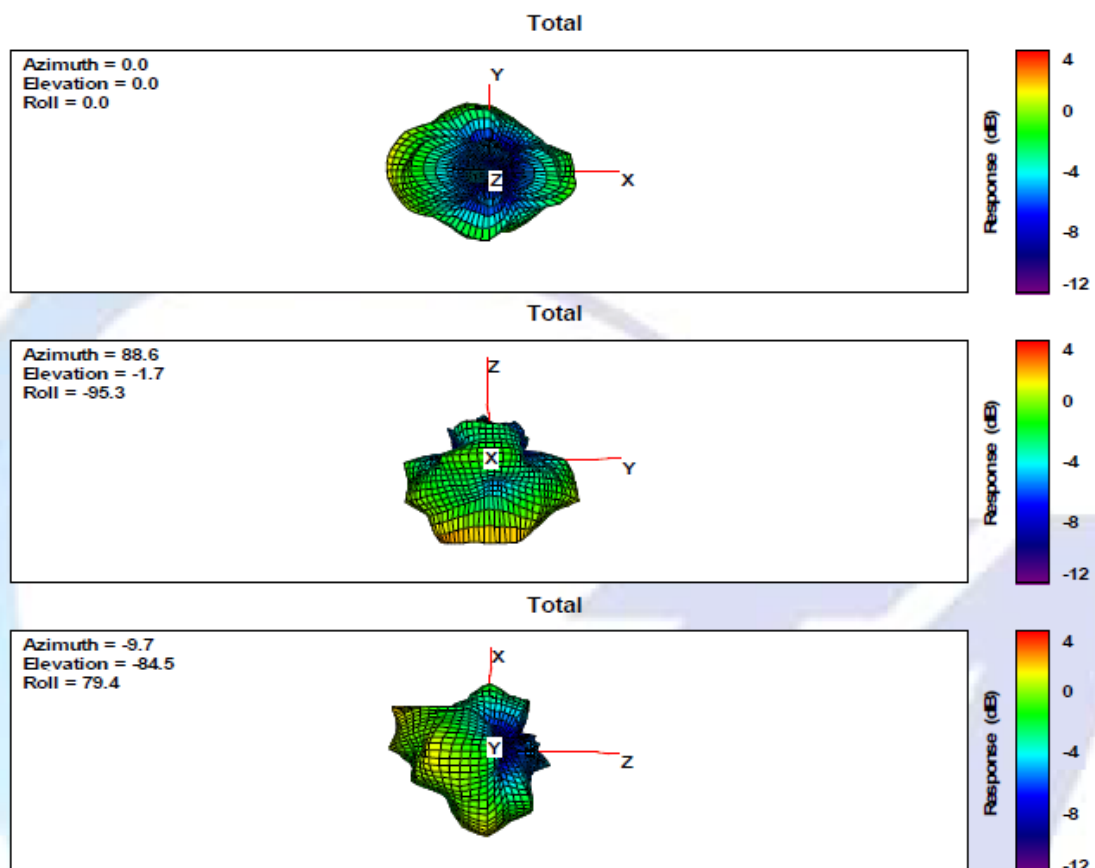
Antenna Photo & Length (mm)



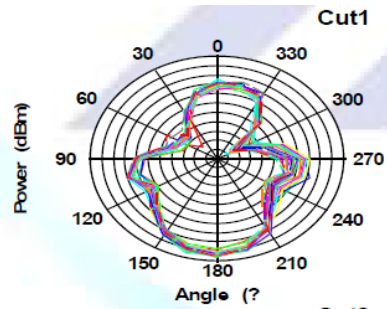
Gain and Efficiency

Model	Test State	Frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)	Directivity (dBi)	Note
ESP-ANT D-H	Free Space	2402	-2.18	60.51	2.91	5.09	15°
		2407	-1.99	63.17	3.28	5.28	
		2412	-1.91	64.40	2.84	4.75	
		2417	-1.82	65.70	3.17	5.00	
		2422	-1.82	65.70	2.88	4.70	
		2427	-1.99	63.21	2.92	4.92	
		2432	-2.07	62.07	3.11	5.18	
		2437	-1.96	63.67	3.11	5.07	
		2442	-2.06	62.23	3.33	5.39	
		2447	-2.08	61.90	3.40	5.48	
		2452	-2.07	62.11	3.59	5.66	
		2457	-2.05	62.41	3.62	5.67	
		2462	-2.02	62.88	3.75	5.77	
		2467	-2.27	59.35	3.65	5.92	
		2472	-2.41	57.41	3.70	6.11	
		2477	-2.21	60.18	3.70	5.91	
		2482	-2.26	59.45	3.96	6.21	
		2487	-2.28	59.22	4.05	6.33	
		2492	-2.12	61.39	3.92	6.03	
		2497	-2.03	62.71	4.16	6.19	
		2502	-2.08	61.91	4.03	6.12	

3D Pattern Plots

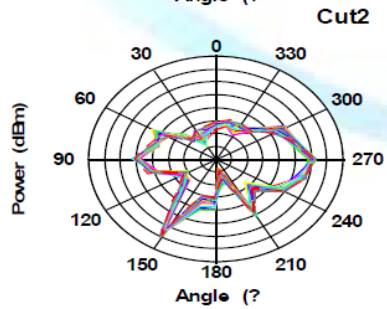


Max: 3
Min: -8
Scale: 1/div



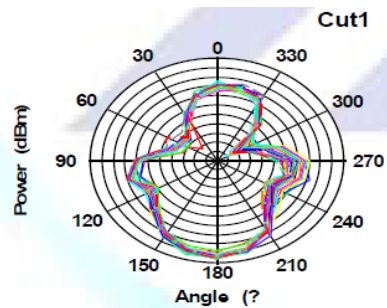
2402 MHz	2452 MHz	2502 MHz
2407 MHz	2457 MHz	
2412 MHz	2462 MHz	
2417 MHz	2467 MHz	
2422 MHz	2472 MHz	
2427 MHz	2477 MHz	
2432 MHz	2482 MHz	
2437 MHz	2487 MHz	
2442 MHz	2492 MHz	
2447 MHz	2497 MHz	

Max: 6
Min: -10
Scale: 2/div



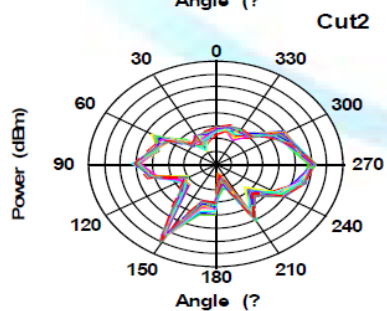
2402 MHz	2452 MHz	2502 MHz
2407 MHz	2457 MHz	
2412 MHz	2462 MHz	
2417 MHz	2467 MHz	
2422 MHz	2472 MHz	
2427 MHz	2477 MHz	
2432 MHz	2482 MHz	
2437 MHz	2487 MHz	
2442 MHz	2492 MHz	
2447 MHz	2497 MHz	

Max: 3
Min: -8
Scale: 1/div



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2447 MHz	2497 MHz	

Max: 6
Min: -10
Scale: 2/div



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