

Inverted F Antenna Specification

Summary

ITEM	ANT SPEC					
Model Name	2.4G ANT					
Center Frequency	Horizontal			Vertical		
	2400MHz	2440MHz	2485MHz	2400MHz	2440MHz	2485MHz
	-9.50	-11.66	-13.19	-8.79	-16.04	-15.34
MAX. Gain	-8.79dBi					
Polarization	Horizontal and Vertical					
Azimuth Beam Pattern	Omni-directional					
Impedance	50 Ohm					
Antenna Length	38.20mm					
Manufacture	Guangdong Qunyu Interactive Technology Co., Ltd.					

Antenna Photo & Length (mm)

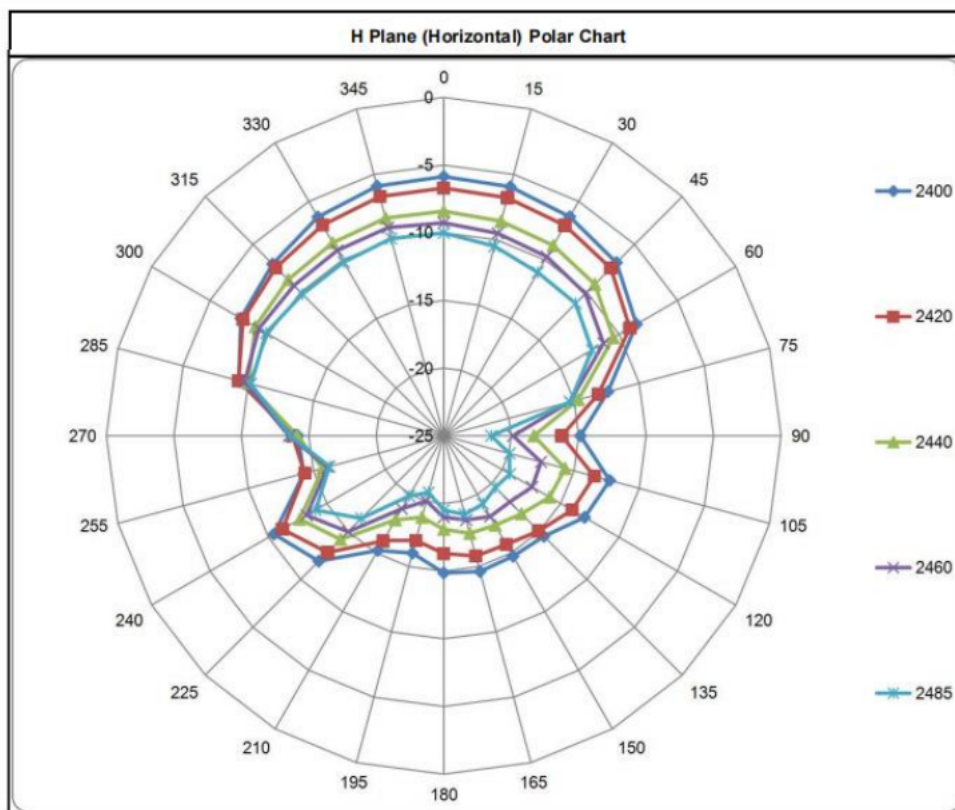


Horizontal: 2400 MHz 2440 MHz 2485 MHz

Power (dBm)

Max: 0 Min: -40 Scale: 5/div

H Plane (Horizontal)									
No	Frequency [MHz]	Maximum Value			Minimum Value			Peak Gain [dB]	Efficiency [%]
		Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]		
1	2400	90	0	-5.84	90	195	-16.03	-9.50	11.21
2	2420	90	0	-6.69	90	195	-17.00	-10.15	9.65
3	2440	90	345	-8.35	90	195	-18.77	-11.66	6.83
4	2460	90	345	-9.07	90	195	-20.01	-12.34	5.84
5	2485	90	300	-9.80	90	90	-21.48	-13.19	4.79
6									
7									

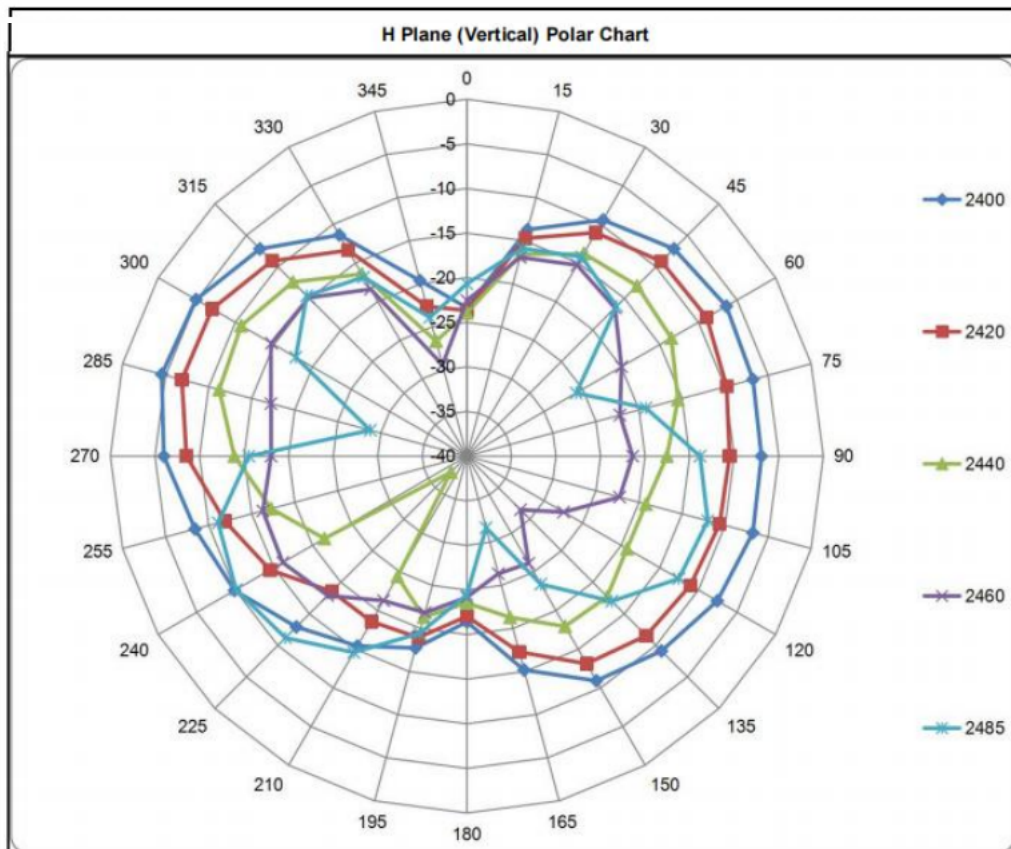


Vertical: 2400 MHz 2440 MHz 2485 MHz

Power (dBm)

Max: 0 Min: -30 Scale: 5/div

H Plane (Vertical)									
No	Frequency	Maximum Value			Minimum Value			Peak Gain Efficiency	
	[MHz]	Θ [Deg]	Φ [Deg]	Value[dBi]	Θ [Deg]	Φ [Deg]	Value[dBi]	[dBi]	[%]
1	2400	90	285	-4.55	90	0	-23.36	-8.79	13.21
2	2420	90	285	-6.88	90	0	-23.67	-11.42	7.21
3	2440	90	300	-10.75	90	225	-37.47	-16.04	2.49
4	2460	90	300	-14.68	90	135	-31.49	-18.85	1.30
5	2485	90	240	-10.08	90	165	-31.68	-15.34	2.93
6									
7									



Frequency	θ(Deg)	φ(Deg)	Sum			H(φ=90)			E1(φ=0)			E2(φ=0)					
			Max[dB]	Avg[dB]	EA[%]	φ(Deg)	Max[dB]	Avg[dB]	BA[Deg]	φ(Deg)	Max[dB]	Avg[dB]	EA[Deg]	φ(Deg)	Max[dB]	Avg[dB]	EA[Deg]
2.420.000	198.0	316.0	-2.319	-6.867	21.892	300.0	-3.045	-8.122	163.61	-80.0	-2.839	-5.866	70.62	120.0	-3.498	-7.782	44.83
2.420.000	198.0	316.0	-3.442	-7.712	16.834	300.0	-4.373	-7.731	144.37	-80.0	-4.072	-7.844	66.87	-19.0	-4.203	-8.064	37.92
2.440.000	18.0	160.0	-5.296	-9.326	11.881	300.0	-6.792	-10.307	133.70	-80.0	-4.006	-9.816	144.60	-19.0	-5.298	-8.989	40.88
2.460.000	30.0	166.0	-4.881	-8.610	11.195	300.0	-8.096	-11.468	121.08	-80.0	-4.968	-10.001	166.03	-30.0	-4.966	-8.874	44.41
2.485.000	30.0	346.0	-3.665	-8.759	13.307	240.0	-8.811	-11.125	183.23	-15.0	-6.228	-9.163	162.18	30.0	-4.202	-8.304	112.00

