

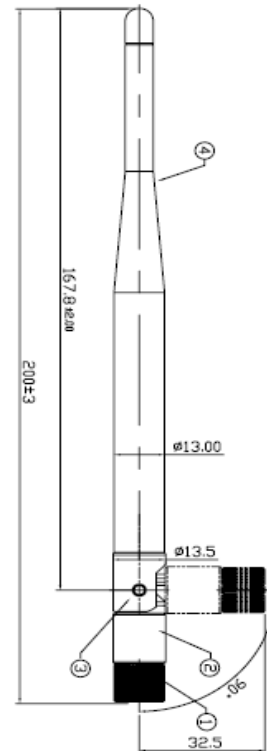
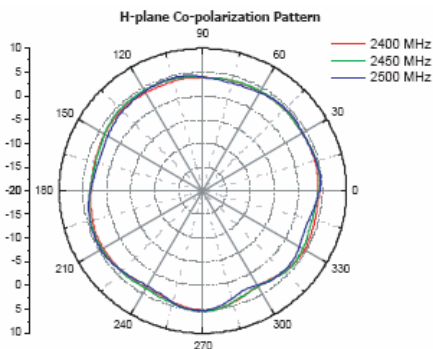
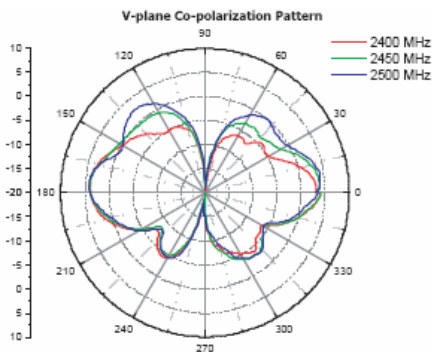
## RFA-02-5-F7M3-B70-NP

### Specifications

Frequency range	2400 MHz – 2500 MHz
Antenna gain	4 dBi
VSWR	2.0 : 1 Max.
Polarization	Linear, vertical
Impedance	50 $\Omega$
Temperature	-10°C to +55°C
Connector	R/P SMA PLUG
Cable	RG178

### Environment & Mechanical Characteristics

Temperature	- 10°C to +55°C
Humidity	95% @ 25°C
Radome material	CHI MEI -ABS PA757 HB



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2D Gain Efficiency Test Report

Test Date	2009/11/6								
Test Date									
Trade Name									
App.No									
Model Name									
Test Mode									
Free Space & Talking Position									
Communication System									
Frequency	2400	2450	2500	2400	2450	2500	2400	2450	2500
Note	RFA-02-5-F7M3-B70-NP-H			RFA-02-5-F7M3-B70-NP-V			RFA-02-5-F7M3-B70-NP-H+V		
Ant. Port Input Pwr. (dBm)	0	0	0	0	0	0	0	0	0
Tot. Rad. Pwr. (dBm)	2.54366	2.9389	2.42751	-12.6629	-14.0761	-14.2358	2.67268	3.02441	2.52015
Peak EIRP (dBm)	3.01553	3.50274	3.29293	-8.36812	-10.2297	-10.479	3.02638	3.57279	3.32907
Directivity (dBi)	0.471868	0.563837	0.865417	4.29478	3.84639	3.75686	0.353702	0.548385	0.808914
Efficiency (dB)	2.54366	2.9389	2.42751	-12.6629	-14.0761	-14.2358	2.67268	3.02441	2.52015
Gain (dBi)	3.01553	3.50274	3.29293	-8.36812	-10.2297	-10.479	3.02638	3.57279	3.32907
Front/Back Ratio (dB)	0.185822	0.529129	1.08553	5.03986	4.46931	18.7239	0.029812	0.536765	0.64945
Beamwidth (°)	180	180	180	119	97	40	180	180	180
+ Beamwidth (°)	90	90	90	46	62	21	90	90	90
- Beamwidth (°)	90	90	90	73	35	19	90	90	90
Boresight Angle (°)	215	40	40	350	335	230	215	40	35
Maximum Power (dBm)	3.01553	3.50274	3.29293	-8.36812	-10.2297	-10.479	3.02638	3.57279	3.32907
Minimum Power (dBm)	1.97395	2.47946	1.6045	-26.8694	-26.6225	-29.2029	2.05247	2.55628	1.83374
Average Power (dBm)	2.53296	2.92922	2.41295	-12.4785	-13.9685	-14.1873	2.66782	3.01704	2.50693
Max/Min Ratio (dB)	1.04158	1.02328	1.68843	18.5013	16.3928	18.7239	0.973908	1.01651	1.49532
Max/Avg Ratio (dB)	0.482568	0.573518	0.879977	4.1104	3.73887	3.70838	0.358565	0.55575	0.822134
Min/Avg Ratio (dB)	-0.55901	-0.44976	-0.80845	-14.3909	-12.6539	-15.0155	-0.61534	-0.46076	-0.67319
Average Gain (dB)	2.54366	2.9389	2.42751	-12.6629	-14.0761	-14.2358	2.67268	3.02441	2.52015

