

P/N: MA-ANT-27**✓ RF Specification**

• Frequency Range:	2.4~2.5GHz / 5.15~5.875GHz
• Polarization:	Linear, Vertical / Horizontal
• HPBW / Horizontal:	86° / 65°
• HPBW / Vertical:	34° / 18°
• Peak Gain:	9dBi / 12dBi
• VSWR:	2.0max:1
• Isolation:	>25 dB
• Power Handling:	2W(cw)
• Impedance:	50 Ohms
• Cable Length:	40cm
• Connector:	N-Plug

✓ Environmental & Mechanical Characteristics

- Temperature: -40°C to +70°C
- Humidity: 95% @55°C
- Radome Material: ASA, UV Resistance
- Dimensions: 233mm(L) x 140mm(W) x 48mm(T)
- Weight: 630g

Performance Summary

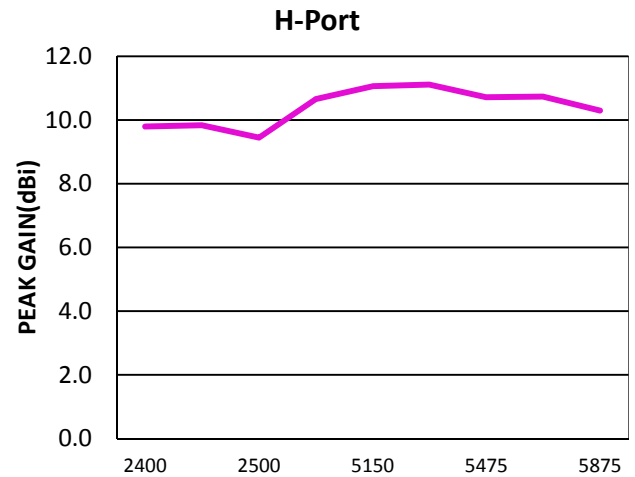
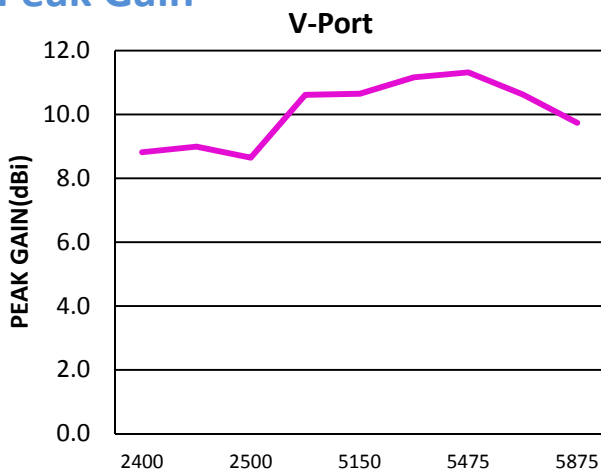
V-Port

Frequency (MHz)	3D		HPBW	
	Avg. Gain	Peak Gain	H-plane	V-plane
2400	-1.7	8.8	86	34
2450	-1.6	9.0	85	34
2500	-2.1	8.6	84	34
4900	-3.1	10.6	58	18
5150	-2.8	10.6	57	18
5350	-2.6	11.2	65	17
5475	-3.0	11.3	55	16
5725	-3.4	10.6	55	15
5875	-4.0	9.7	56	16

H-Port

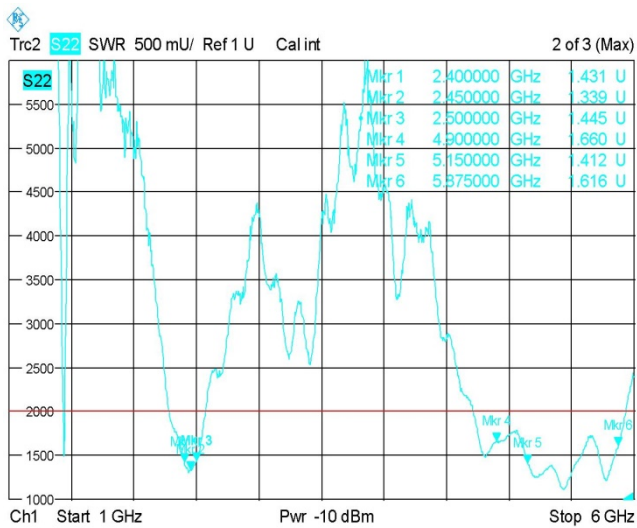
Frequency (MHz)	3D		HPBW	
	Avg. Gain	Peak Gain	H-plane	V-plane
2400	-1.7	9.8	60	37
2450	-1.6	9.8	62	37
2500	-2.2	9.4	61	36
4900	-2.9	10.7	71	19
5150	-2.6	11.1	71	19
5350	-2.6	11.1	70	19
5475	-3.1	10.7	66	17
5725	-3.4	10.7	61	16
5875	-4.1	10.3	58	16

Peak Gain

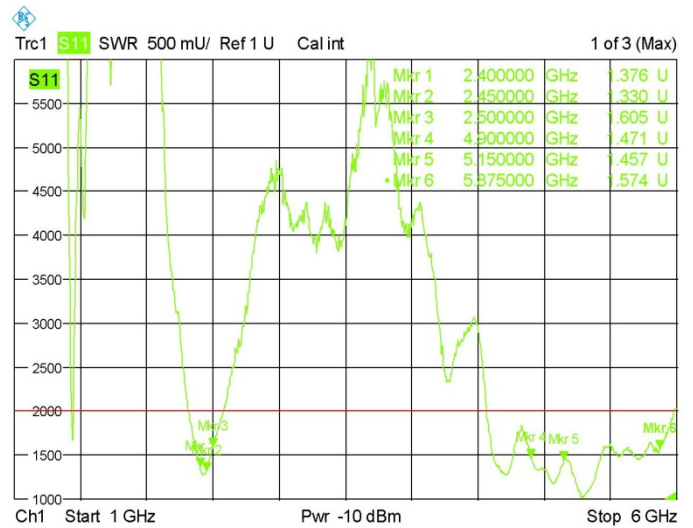


VSWR

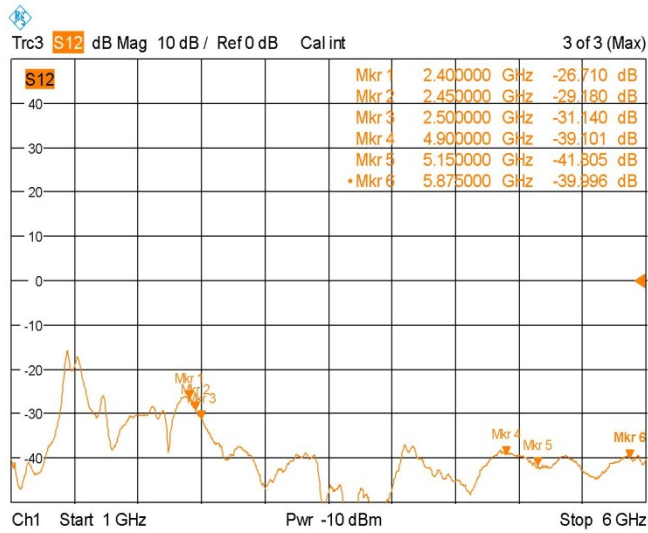
V-Port



H-Port

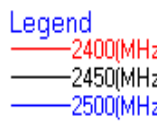


- Isolation

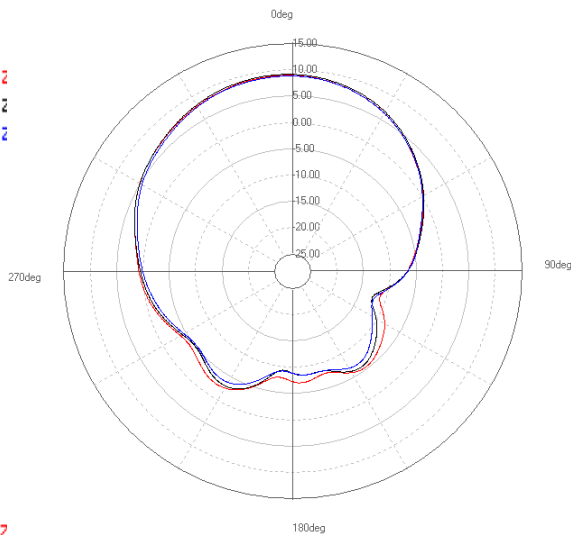


- Radiation Pattern

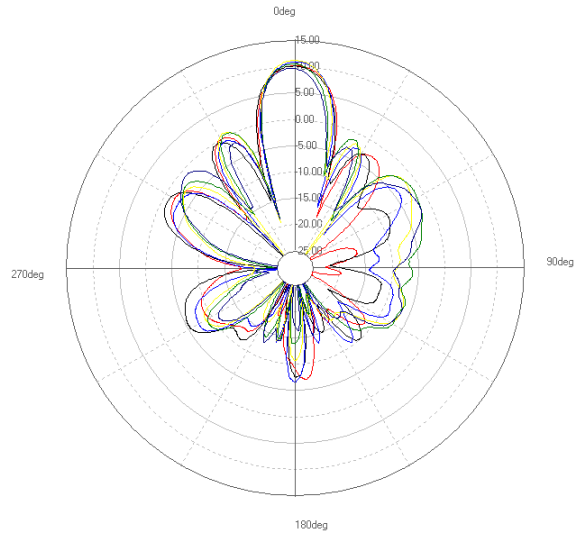
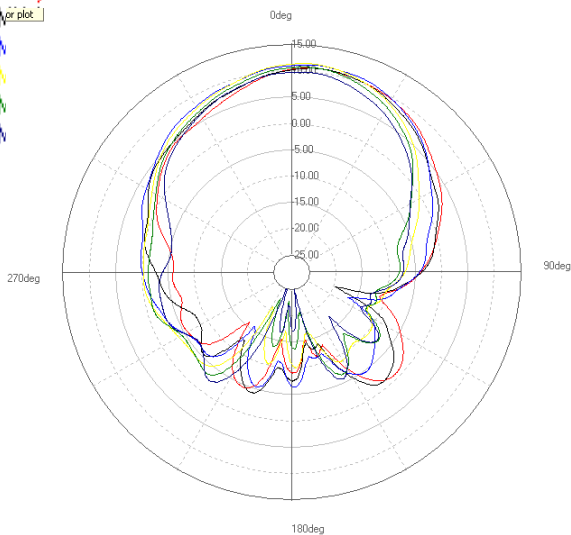
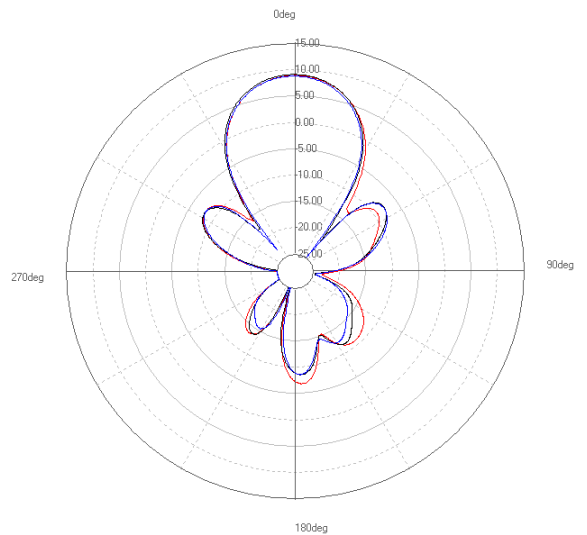
V-port



H-plane



V-plane



Radiation Pattern

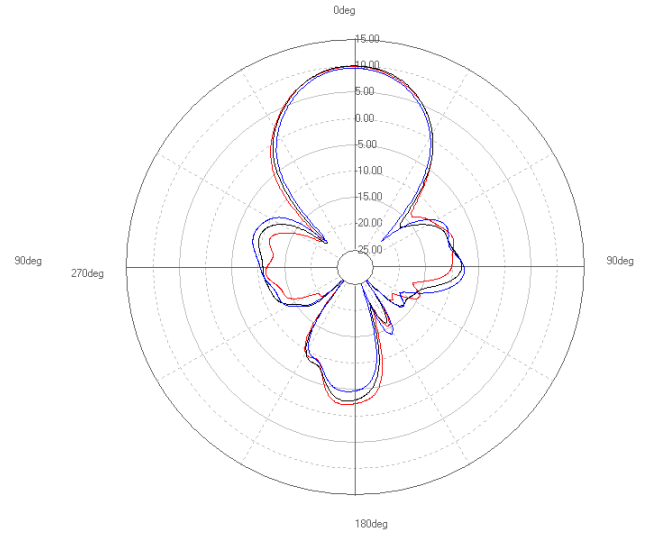
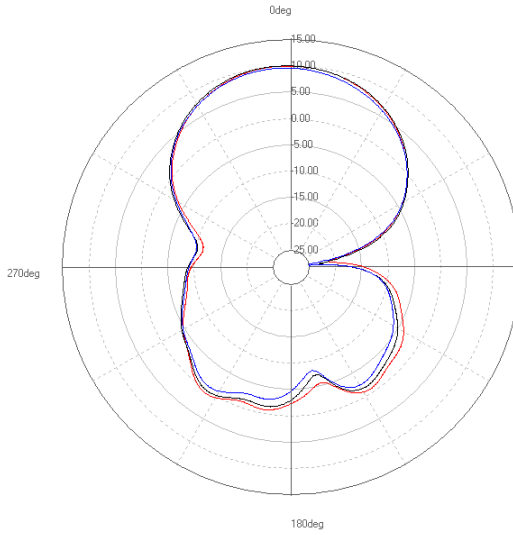
H-port

H-plane

V-plane

Legend

- 2400(MHz)
- 2450(MHz)
- 2500(MHz)



Legend

- 4900(MHz)
- 5150(MHz)
- 5350(MHz)
- 5475(MHz)
- 5725(MHz)
- 5875(MHz)

