

P/N: DA-N48-20-01-BL

RF Specification

Port	ANT1 / ANT3
Frequency Range	3550MHz~3700MHz
Polarization	-45deg / +45deg
Horizontal / Vertical	14°-16° / 15°-16°
Peak Gain	20.0 dBi typ.
VSWR	2.0 max.:1
Isolation	> 20 dB
Power Handling	2W(cw)
Impedance	50 Ohms
Front to Back (F/B)	> 50dB

Environmental & Mechanical Characteristics

- **Temperature:** -30°C to +70°C
- **Humidity:** 95% @55°C
- **Weight:** 1.2kg
- **Antenna Housing Material:** PC
- **Dimensions:** 320(L)x320(W)x18(T)mmmm
- **Connector** N-Jack

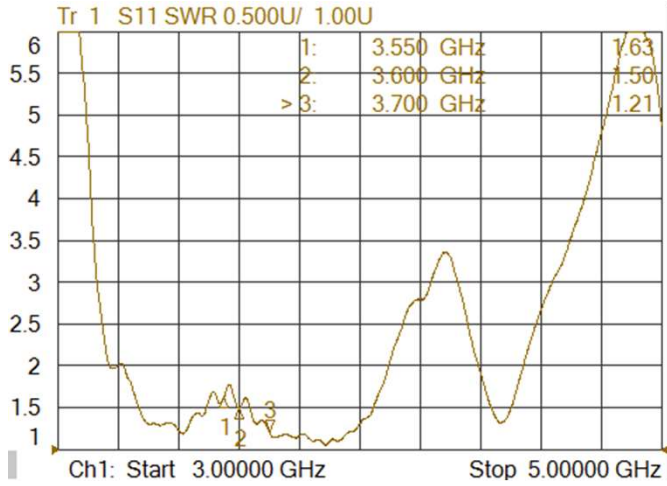
Antenna Dimensions

320 (L) x 320(W) x 36.8(H)mm
(12.6(L) x 12.6(W) x 3.7(H) inch)

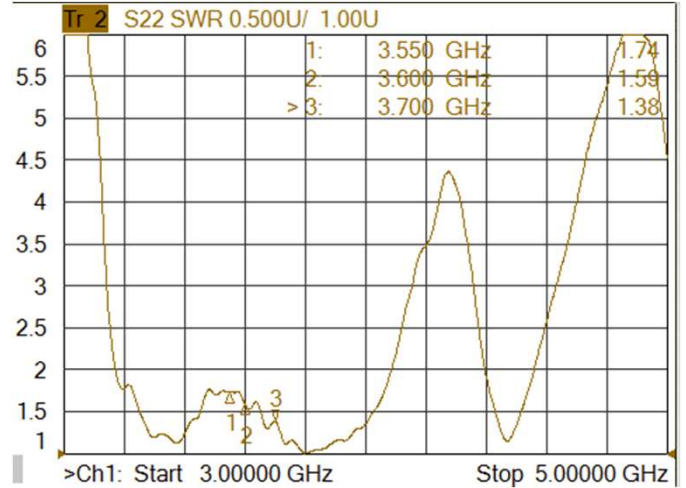
VSWR

Frequency(MHz)	3550MHz~3700MHz
VSWR	2.0 max.:1

ANT1 (-45deg)

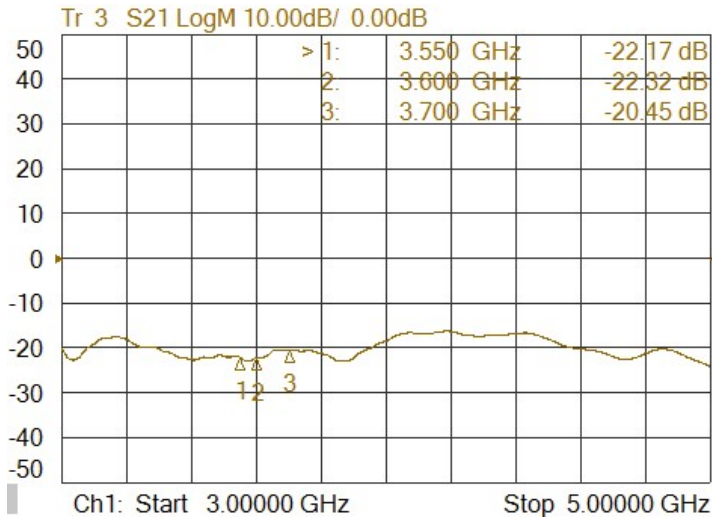


ANT3 (+45deg)



Isolation

ANT1 (-45deg) vs ANT3 (+45deg)



Gain Table

ANT1 (-45deg)

Frequency (MHz)	3D		HPBW	
	Efficiency	Peak Gain	H-plane	V-plane
3550	61%	20.1	15	16
3600	63%	20.5	15	15
3650	65%	20.5	15	15
3700	63%	20.2	14	15

ANT3 (+45deg)

Frequency (MHz)	3D		HPBW	
	Efficiency	Peak Gain	H-plane	V-plane
3550	62%	19.6	16	15
3600	64%	19.9	15	15
3650	65%	20.0	15	15
3700	63%	19.7	15	14

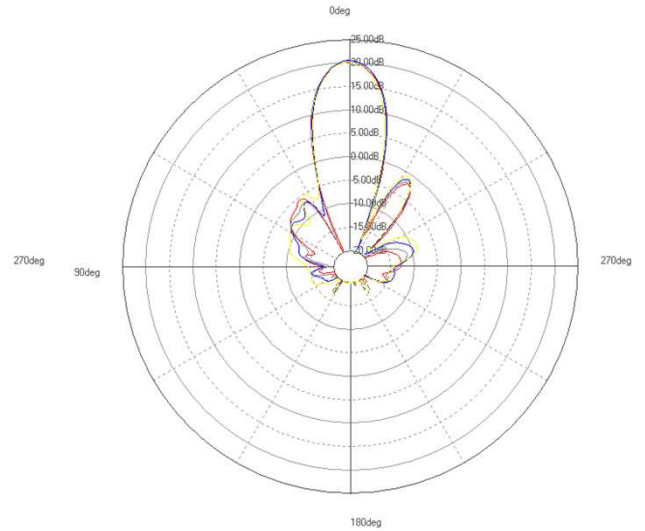
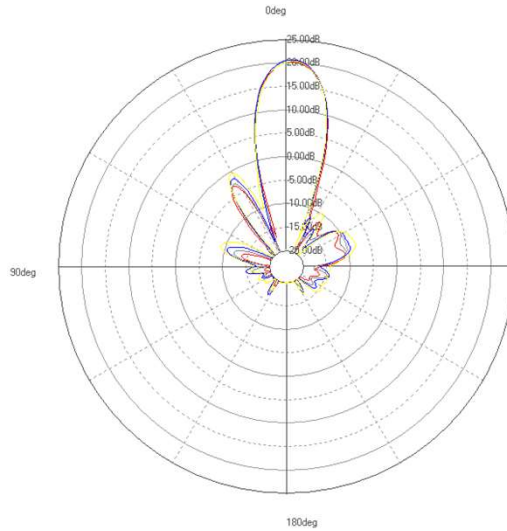
ANT1 (-45deg)

H-plane

V-plane

Legend

- 3550.00(MHz)
- 3600.00(MHz)
- 3650.00(MHz)
- 3700.00(MHz)



ANT3 (+45deg)

H-plane

V-plane

Legend

- 3550.00(MHz)
- 3600.00(MHz)
- 3650.00(MHz)
- 3700.00(MHz)

