

# Outdoor/Indoor 2.4 / 5.8 G Antenna

## MODEL: WA-62

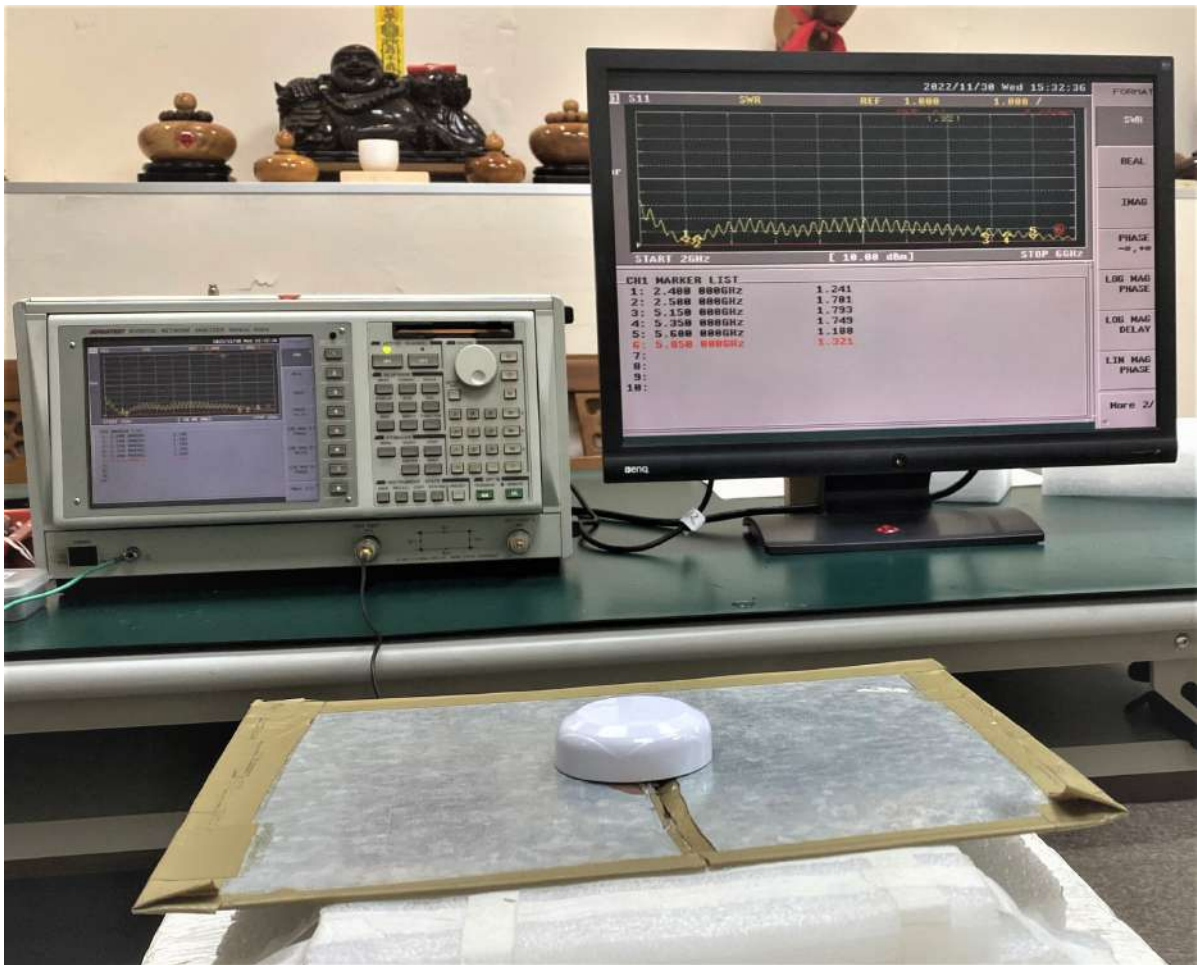
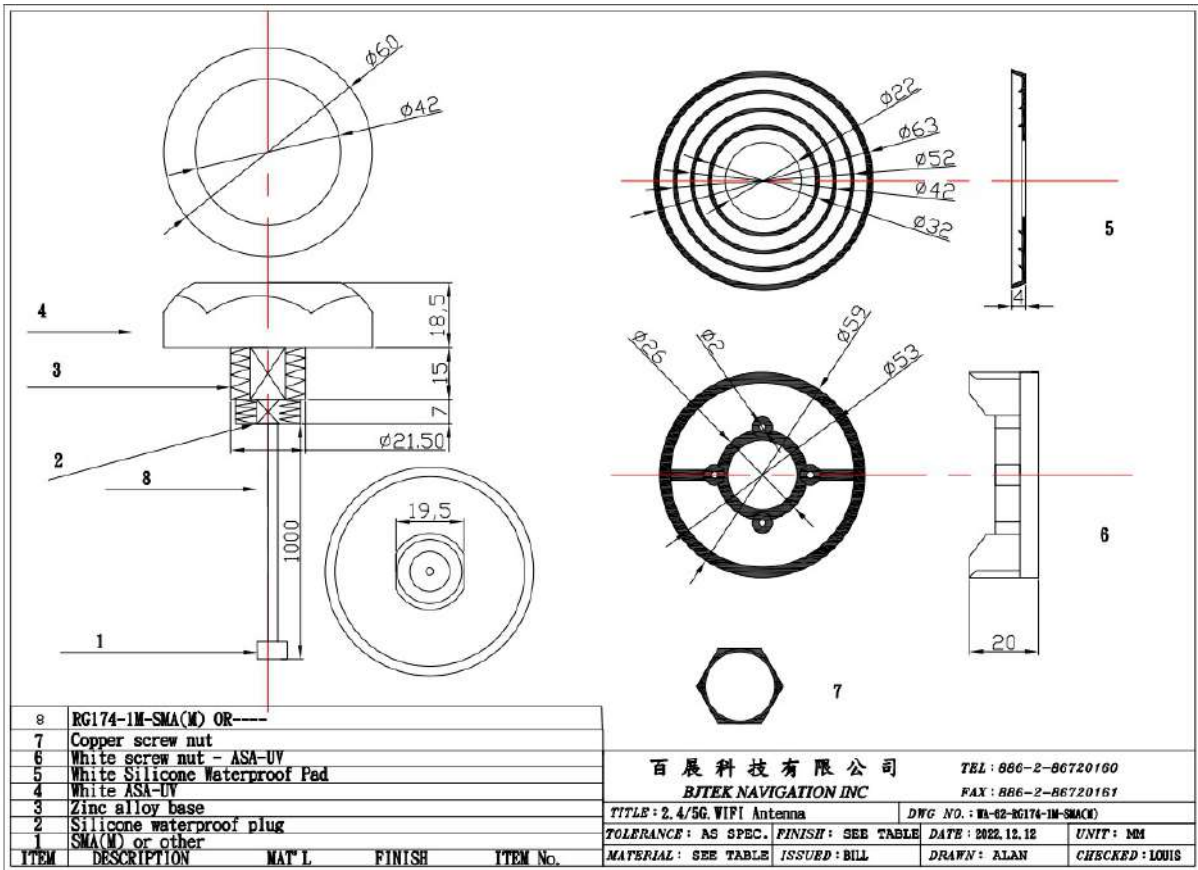


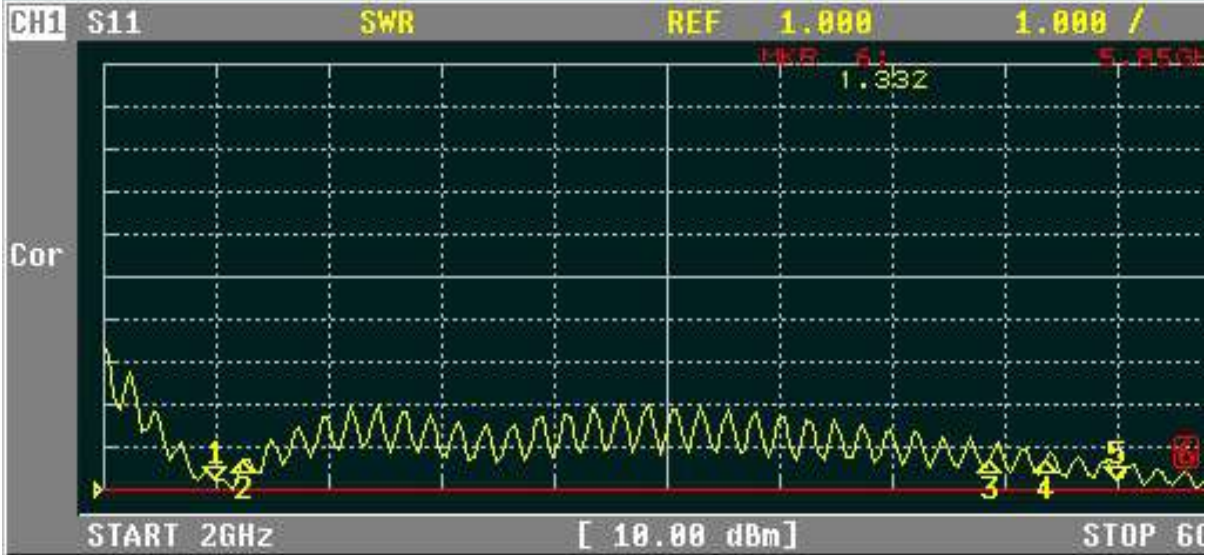
### Specifications:

PHYSICAL CONDITION	
Constructions:	ASA-UV radome , detachable cable/connector for easy mount, rubber-O-ring between top radome and screw base for waterproof
Dimensions:	60mm(Dia.) x 18.5mm(H)
Weight:	135grams (w/o cable & connector).
Color:	Standard in ivory white, other colours available upon request.
Mounting:	Bulkhead mount with 0.8 inch threaded wing nut (standard accessory).
Cable & Connector	
RF cable:	RG174-1M other length (optional)
Pulling strength:	6 Kg @ 5sec. molded plastic on connector end for strain relief.
Connector	SMA(M) or other
Antenna Element	
Center Frequency:	2400~2500 / 5100~5850 MHz
Polarization:	Linear
Peak Gain	4 dBi
VSWR:	2.0 max (ON GND 320 x 240mm )
Impedance:	50 $\Omega$
Environmental	
Operating Temperature:	-40°C~ +85°C.
Storage Temperature:	-40°C~ +85°C.
Relative Humidity:	95% non-condensing.
Water Resistance:	100% waterproof. IPX8

\* This specification is subject to change without prior notice

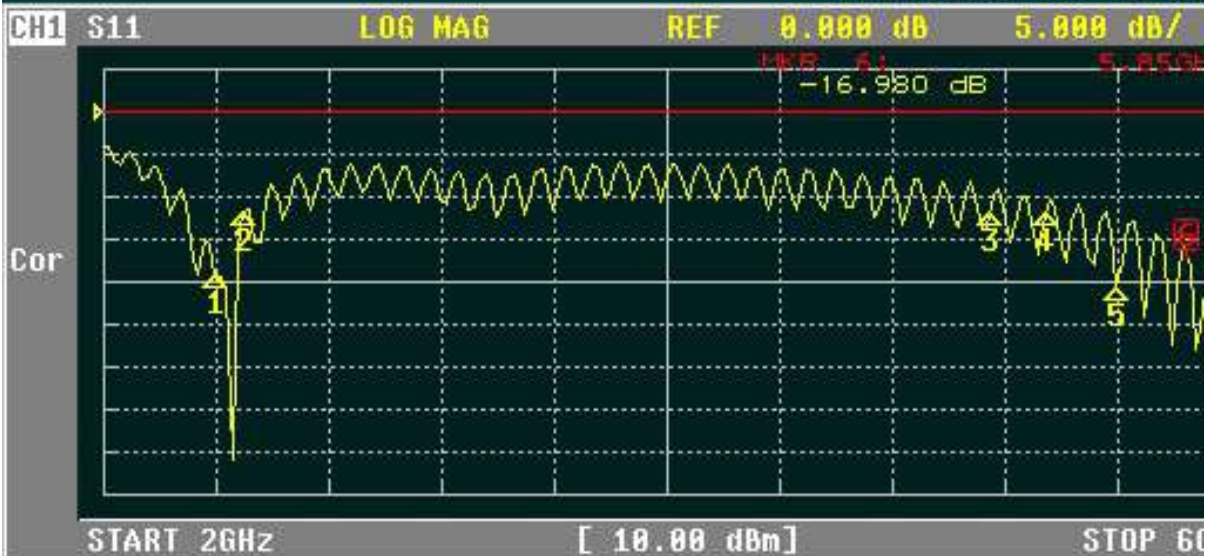
Data Updated: Dec.12, 2022





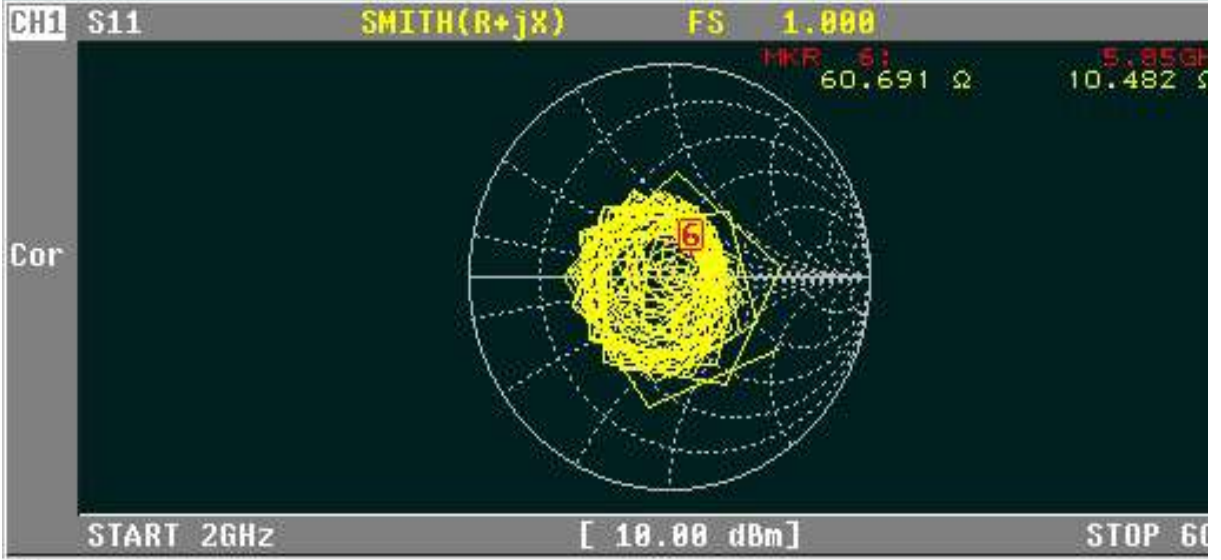
CH1 MARKER LIST

1:	2.400 000GHz	1.254
2:	2.500 000GHz	1.702
3:	5.150 000GHz	1.754
4:	5.350 000GHz	1.714
5:	5.600 000GHz	1.209
6:	5.850 000GHz	1.335
7:		
8:		
9:		



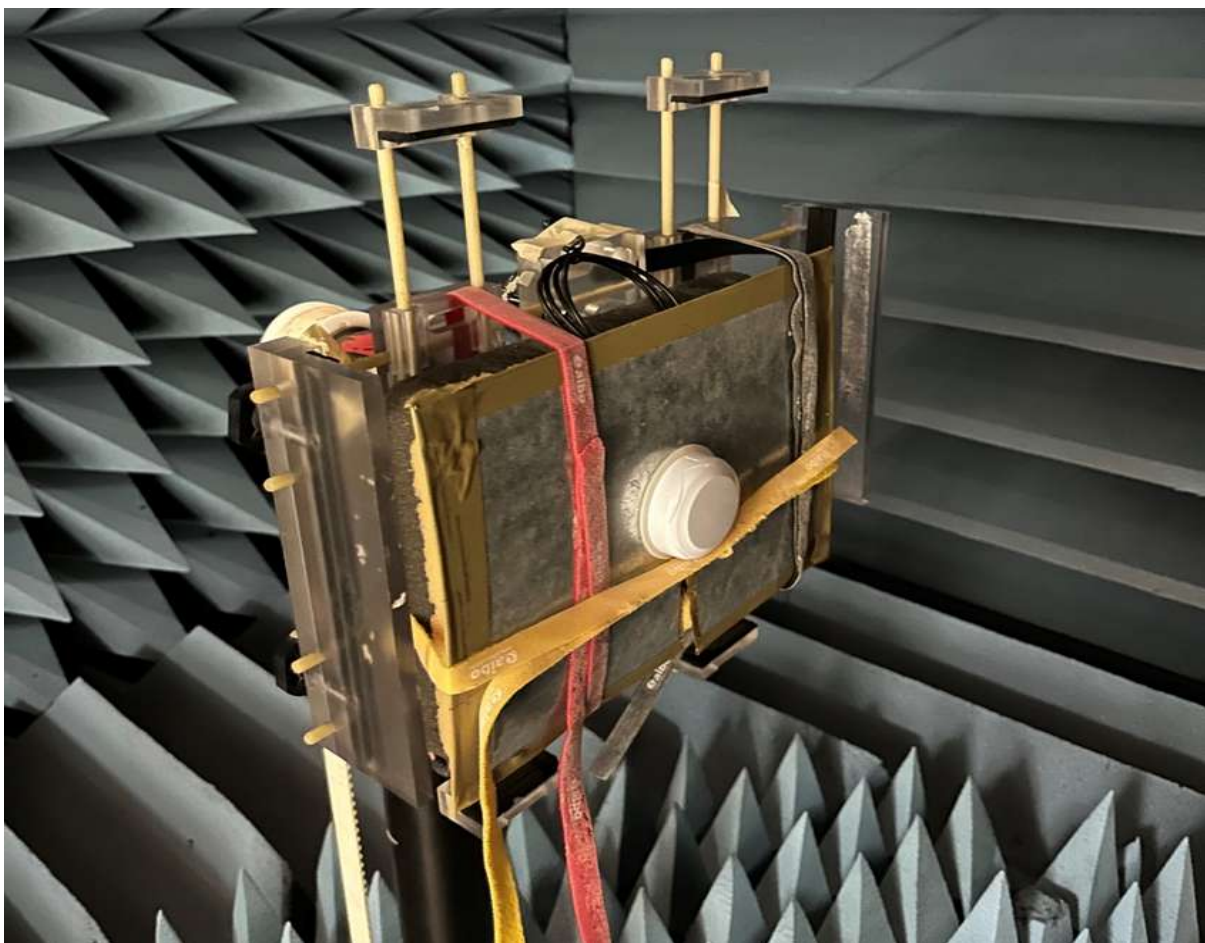
CH1 MARKER LIST

1:	2.400 000GHz	-19.225 dB
2:	2.500 000GHz	-11.712 dB
3:	5.150 000GHz	-11.674 dB
4:	5.350 000GHz	-11.755 dB
5:	5.600 000GHz	-20.460 dB
6:	5.850 000GHz	-16.980 dB
7:		
8:		
9:		



CH1 MARKER LIST

1:	2.400 000GHz	49.478 Ω	-11.855 Ω	5.593pF
2:	2.500 000GHz	55.390 Ω	-26.956 Ω	2.361pF
3:	5.150 000GHz	32.533 Ω	-1.198 Ω	25.793pF
4:	5.350 000GHz	34.028 Ω	10.143 Ω	301.754pH
5:	5.600 000GHz	53.527 Ω	-9.044 Ω	3.142pF
6:	5.850 000GHz	60.691 Ω	10.482 Ω	285.186pH
7:				
8:				
9:				

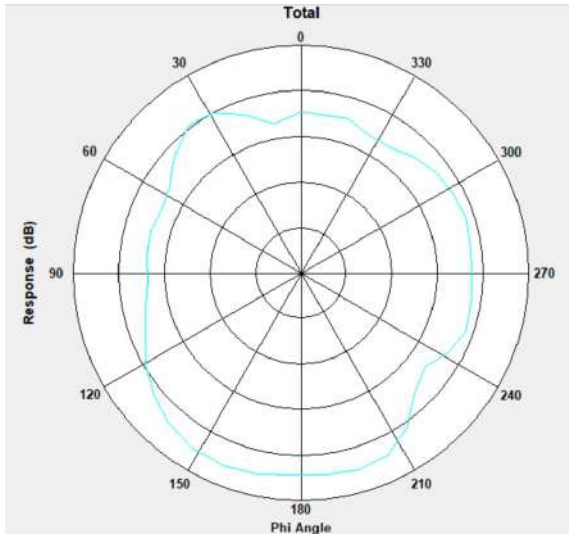


## WLAN Antenna Efficiency

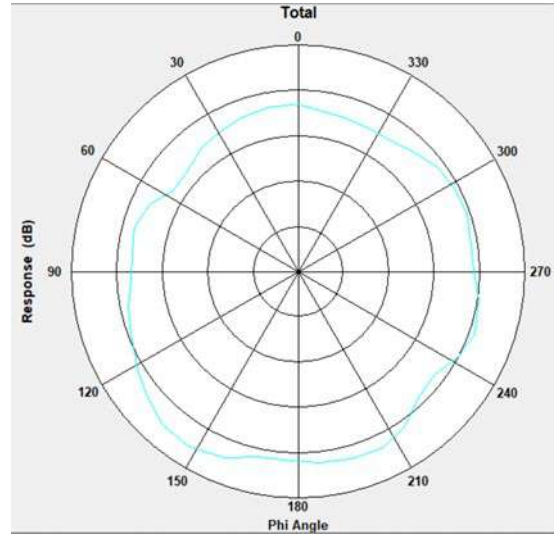
MHz	WLAN Antenna		
	Efficiency (dB)	Efficiency (%)	Peak Gain (dBi)
2400	-3.04	49.68	2.69
2412	-2.91	51.22	2.70
2417	-2.89	51.40	2.67
2422	-2.94	50.77	2.51
2427	-3.01	49.99	2.40
2432	-3.13	48.65	2.33
2442	-3.13	48.60	2.21
2447	-3.20	47.82	2.20
2450	-3.22	47.59	2.14
2452	-3.22	47.69	2.20
2457	-3.24	47.45	2.16
2467	-3.21	47.72	2.15
2472	-3.17	48.15	2.33
2500	-3.24	47.38	2.70
5150	-5.59	27.59	1.39
5180	-5.48	28.29	1.66
5250	-5.05	31.25	2.39
5310	-5.28	29.68	1.75
5320	-5.05	31.23	1.95
5350	-4.76	33.40	2.16
5470	-4.39	36.40	2.67
5500	-4.16	38.35	2.88
5510	-3.91	40.63	3.28
5600	-2.74	53.15	4.50
5670	-2.90	51.28	3.69
5700	-2.47	56.64	4.05
5725	-2.39	57.65	3.97
5745	-2.12	61.37	4.17
5765	-2.53	55.84	4.09
5785	-2.79	52.57	3.85
5805	-2.88	51.49	3.45
5825	-3.19	48.00	3.67
5850	-3.48	44.85	3.32

# Radiation Pattern

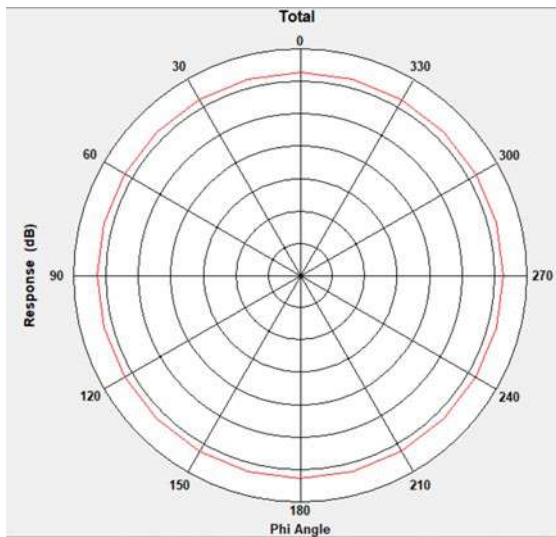
## 2.4 GHz



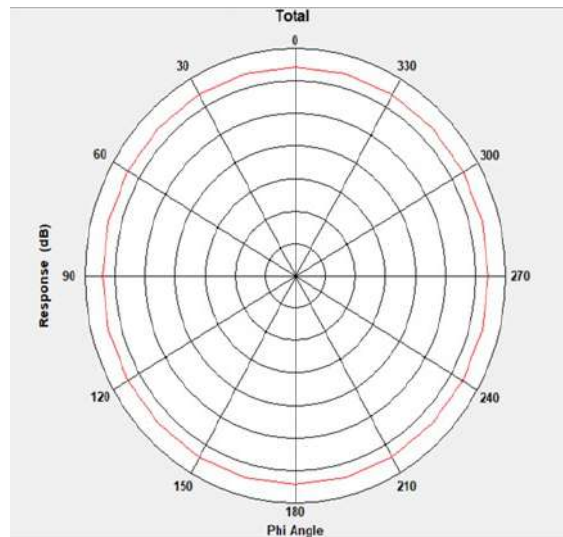
## 2.5 GHz



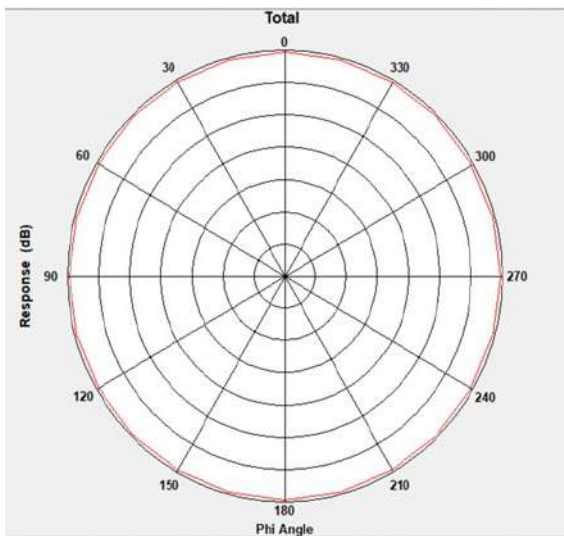
## 5.15 GHz



## 5.35 GHz



## 5.6 GHz



## 5.85 GHz

