

Omni Directional Antenna Built-in Booster for 2400 - 2500 MHz

Version 1.0

SAA08-050520

Antenna Electrical Specification

Frequency Range	2400 - 2500 MHz
Gain*	4 dBi / 14 dBi (with Booster)
VSWR	2.0 : 1 Max.
Polarization	Linear , Vertical
HPBW/horizontal	360°
HPBW/vertical	30°
Power Handling	5 W(cw)
Impedance	50 Ohms
Connector	N jack
Lightning Protection	DC ground

* Using 100*100 cm² ground plane

Booster Electrical Specification

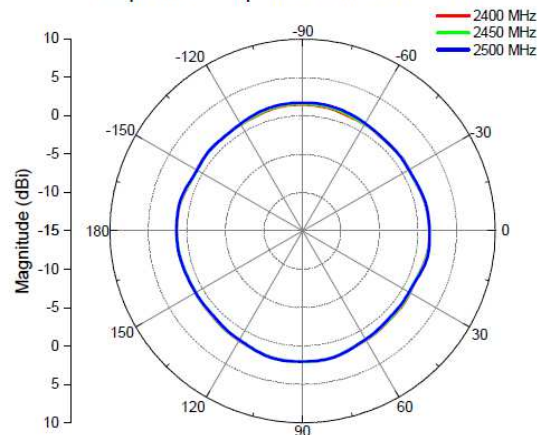
Frequency Range	2400 - 2500 MHz	
Output Power@ 1dB Compression	30 dBm Typ.	
Linear Output Power	27-30 dBm @ 802.11b / 11Mbps	
	23-26 dBm @ 802.11g / 54Mbps	
EVM at Pout = 24 dBm	5.6%	
Tx Mode Turn On Power	-1 dBm Min.	
Fixed Transmit Gain	10 dB Typ.	
Receiver Input Power	-15 dBm Max.	
Receiver Gain	10 dB Typ.	
Noise Figure	3.7 dB	
Input / Output VSWR	2 Max.	

Environmental & Mechanical Characteristics

Survival Wind Speed	216km/hr
Temperature	-20°C to + 70°C
Waterproof	IP-X7
Humidity	95%@55°C
Radome Color	White
Radome Material	PC
Weight	980 g
Dimensions	200 x 118 x 90 mm



H-plane Co-polarization Pattern



V-plane Co-polarization Pattern

