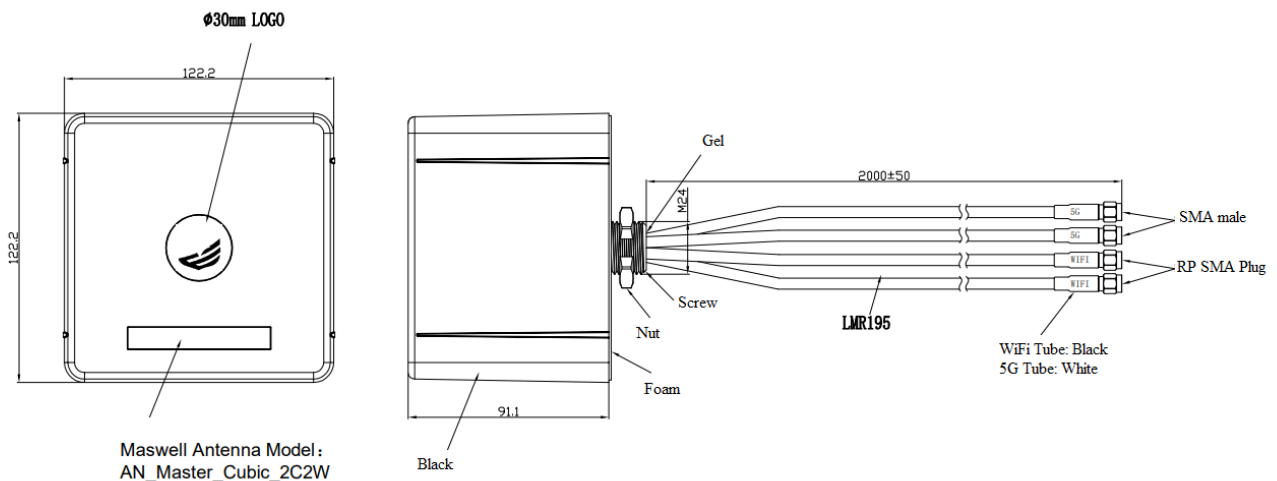


Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

AN_Master_Cubic_2C2W



Schematic picture



Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

AN_Master_Cubic_2C2W

Specifications

Item	Specifications	
Antenna 1: 5G/4G LTE/WiFi6E/UWB	Frequency Range	600MHz~8.0GHz
	Polarization	Linear
	Gain	Up to 6.0 dBi (20cm Cable Length)
	V.S.W.R	average 3.0
	Efficiency	>50%
Antenna 2: 5G/4G LTE/WiFi6E/UWB	Frequency Range	600MHz~8.0GHz
	Polarization	Linear
	Gain	Up to 6.0 dBi (20cm Cable Length)
	V.S.W.R	average 3.0
	Efficiency	>50%
Antenna 3: WiFi	Frequency Range	2100Mhz-7200MHz
	Polarization	Linear
	Gain	4dBi
	V.S.W.R	<1.5
	Impedance	50Ω
Antenna 4: WiFi	Frequency Range	2100Mhz-7200MHz
	Polarization	Linear
	Gain	4dBi
	V.S.W.R	<1.5
	Impedance	50Ω

Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

AN_Master_Cubic_2C2W

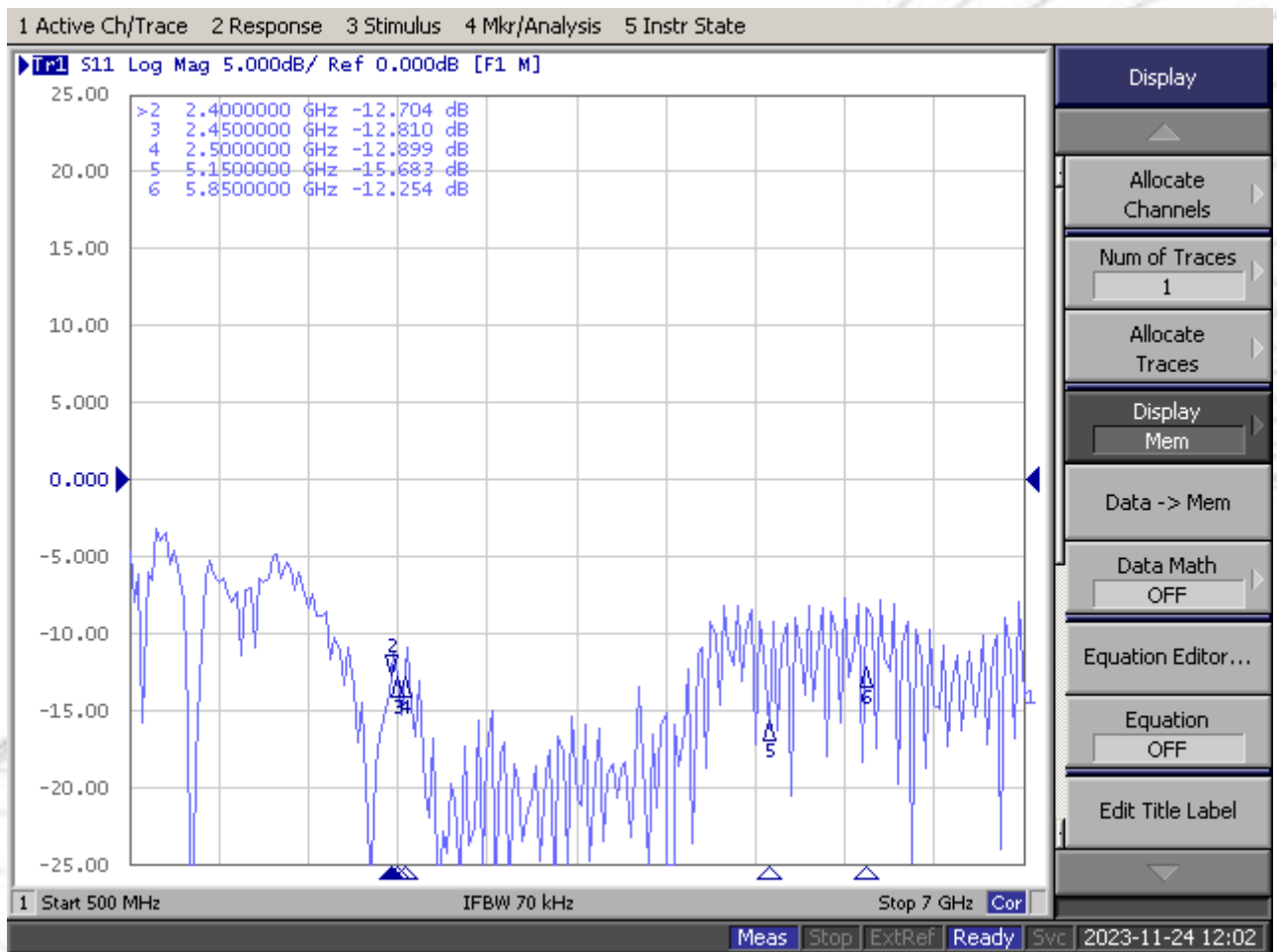
Specifications

Item	Specifications	
Mechanical	Dimension	122mm *122mm*91mm
	Cable	LMR195 1meter or Customised
	Connector	SMA Male for 5G MIMO RP SMA Plug for WIFI MIMO
Environmental	Operating Temperature	-40°C~+85°C
	Relative Humidity	Up to 95%
	Waterproof Grade	IP67
	Vibration	10 to 55Hz with 1.5mm amplitude 2hours
	Environmentally Friendly	ROHS Compliant

Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

AN_Master_Cubic_2C2W

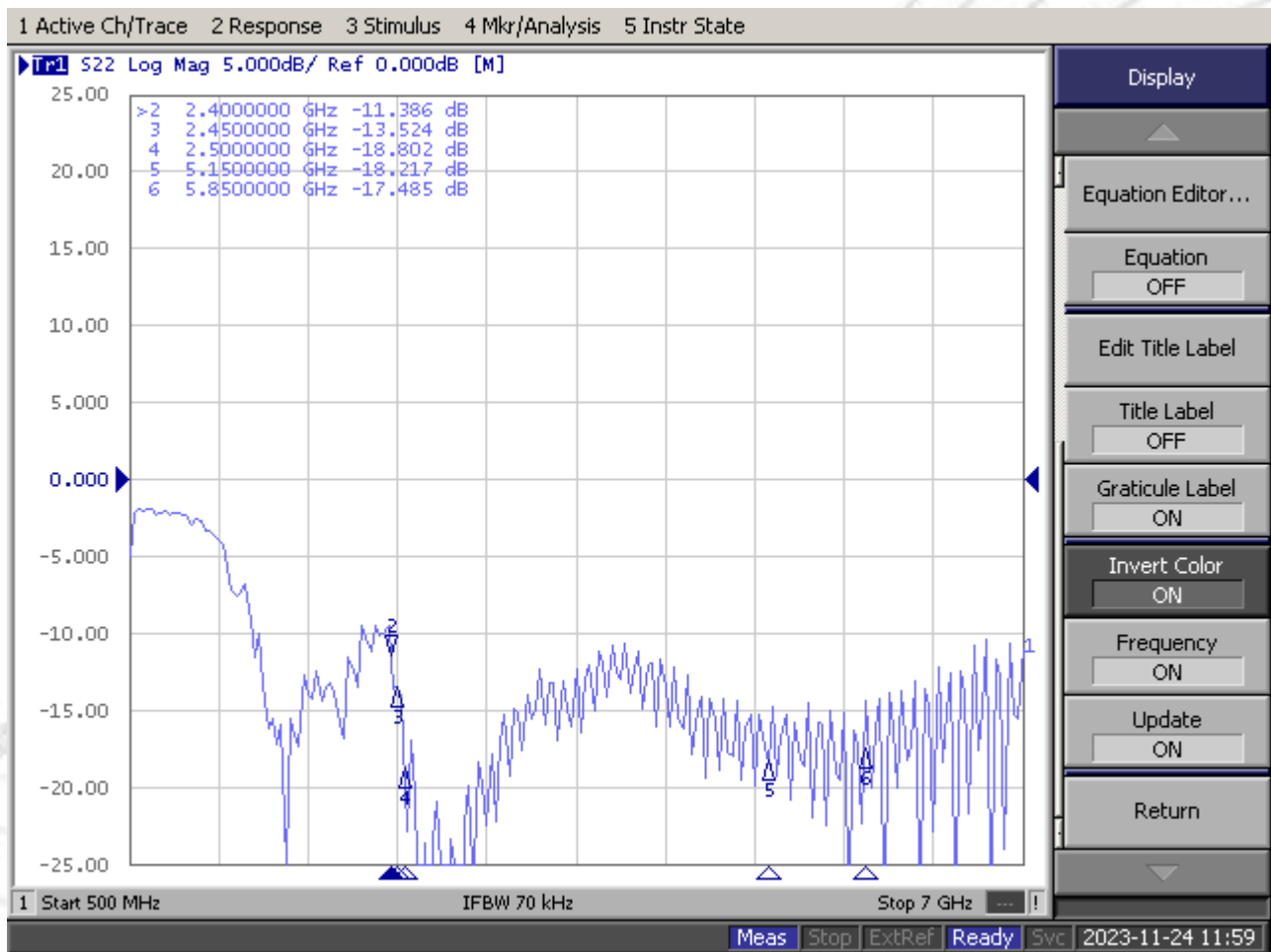
5G S11 Reflection Coefficient



Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

AN_Master_Cubic_2C2W

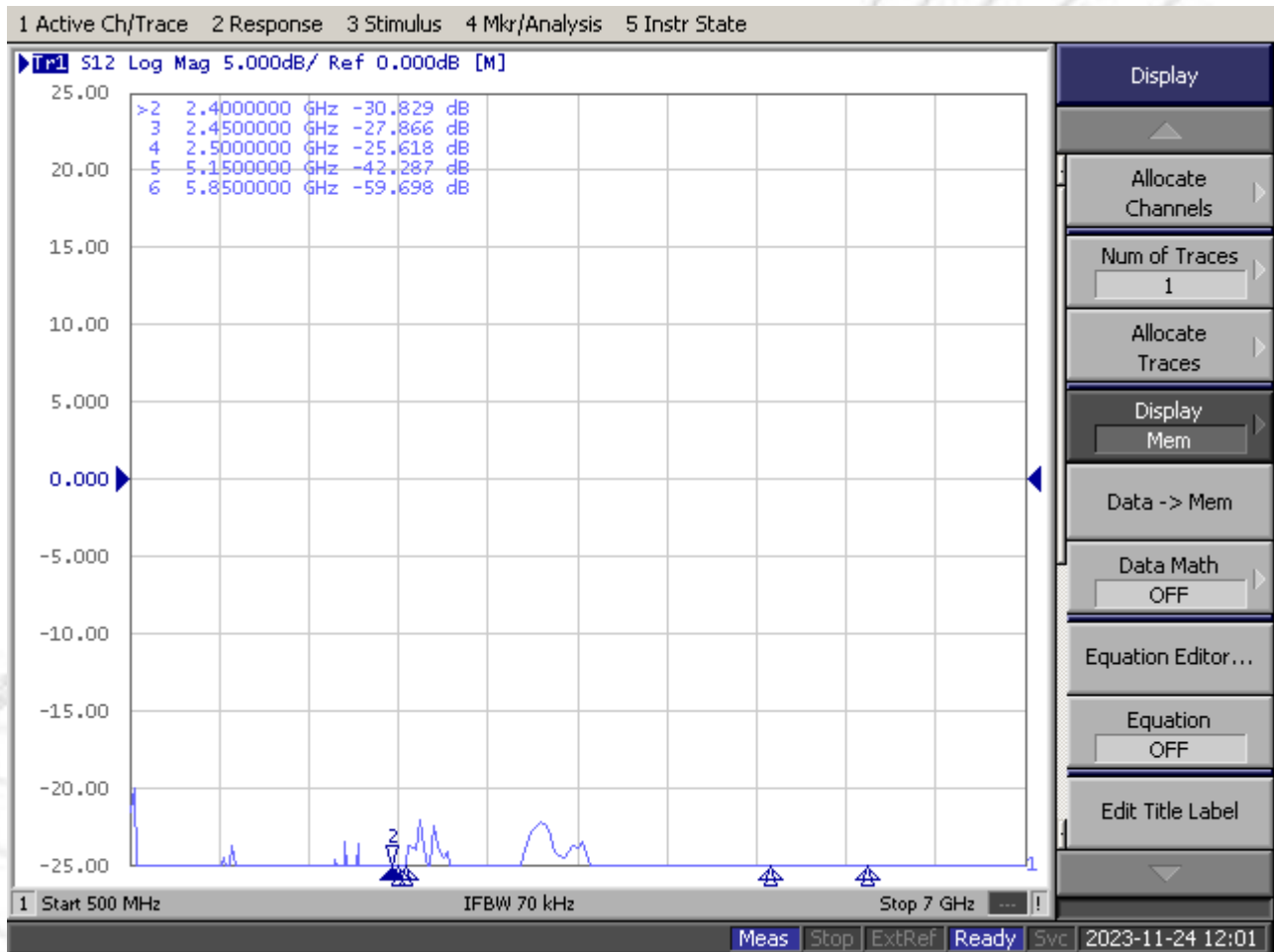
WiFi 7/WiFi 6E S11 Reflection Coefficient



Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

AN_Master_Cubic_2C2W

Isolation

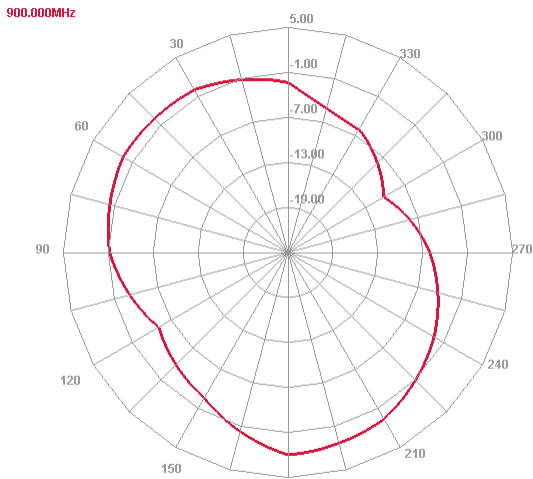


Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

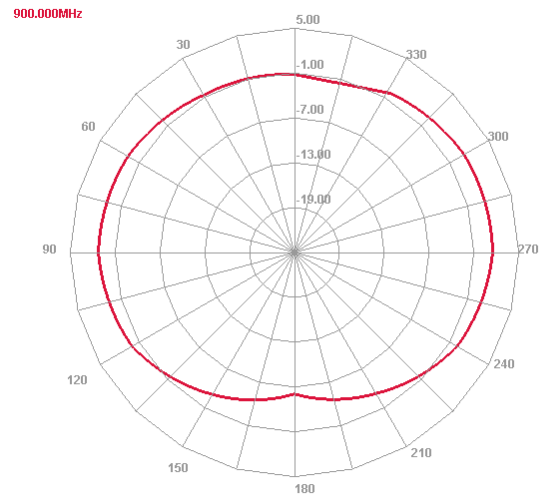
AN_Master_Cubic_2C2W

Radiation Pattern

900HMz

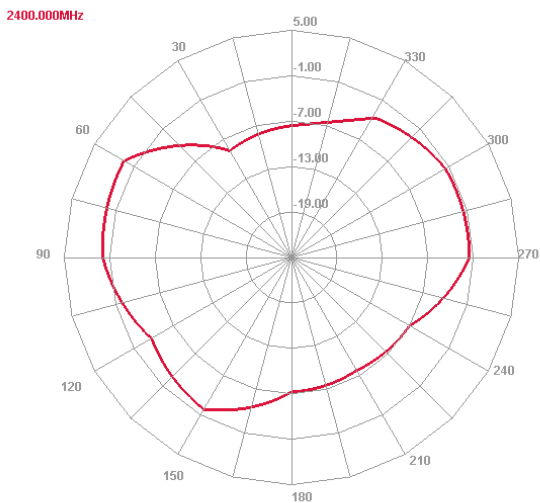


E plane

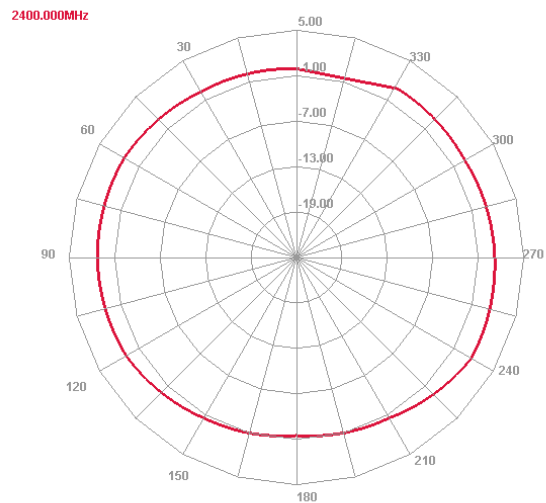


H plane

2400HMz



E plane



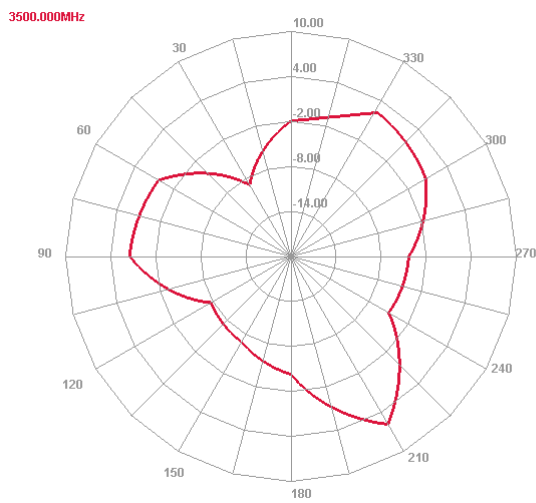
H plane

Maswell 5G Combination Antenna 2X2 MIMO 5G , 2X2 MIMO WiFi 7

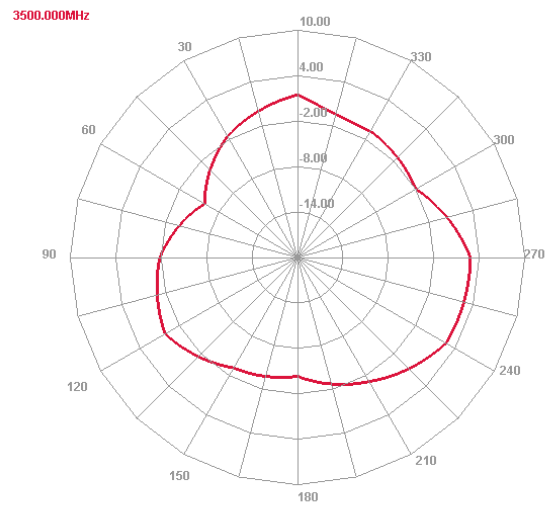
AN_Master_Cubic_2C2W

Radiation Pattern

3500MHz

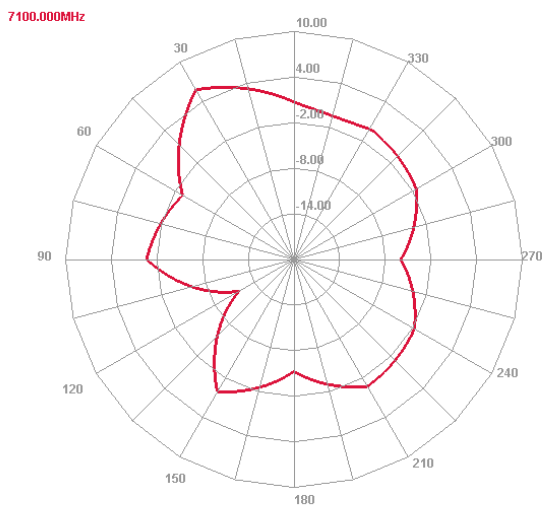


E plane

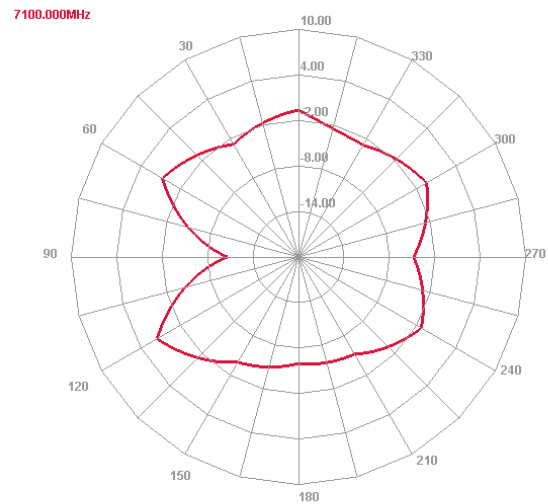


H plane

7100MHz



E plane



H plane