



東莞市仕研電子通訊有限公司
DONGGUAN SEYA ELECTRONIC COMMUNICATION CO.,LTD

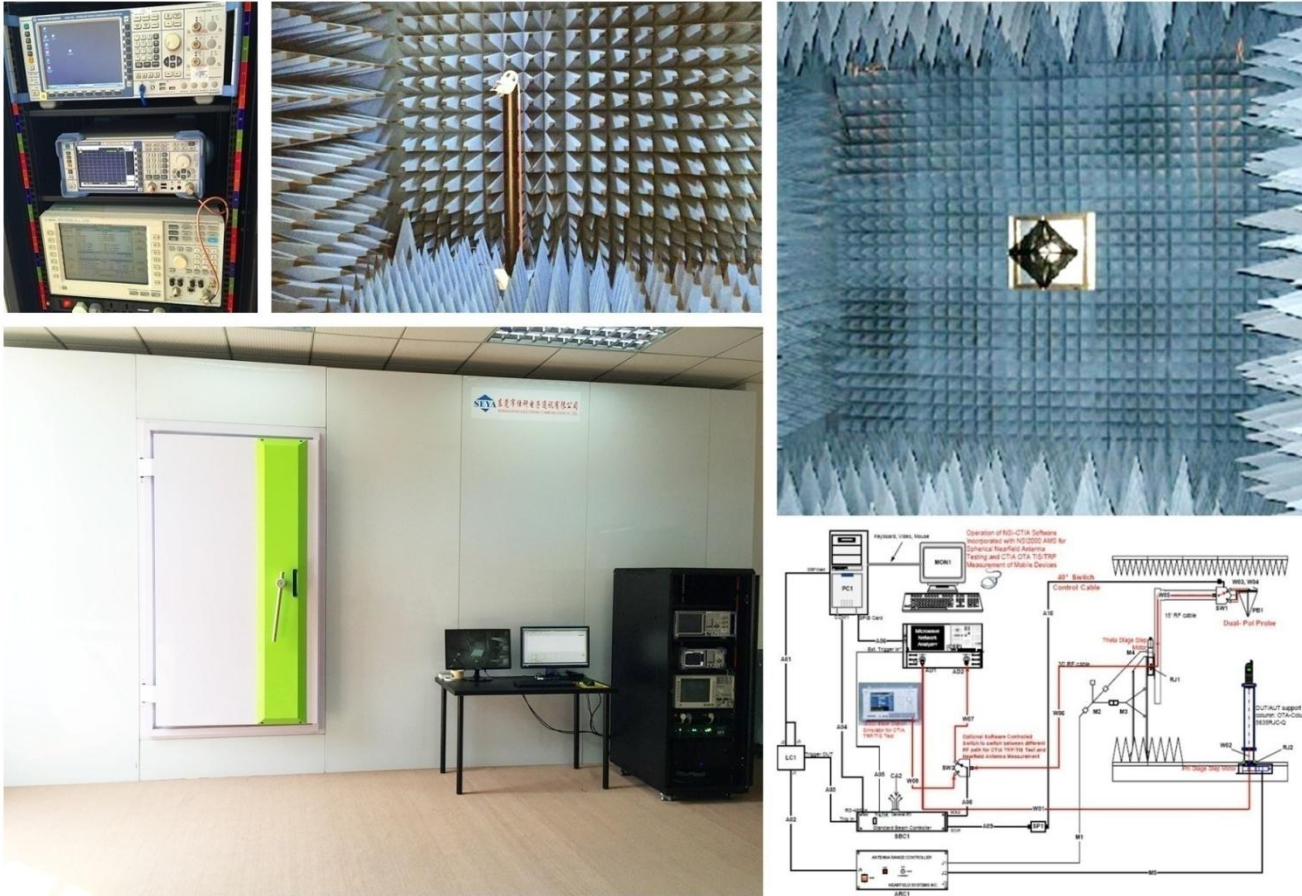
WiFi+BT Antenna Parameter Testing Report)

Customer :	协诚创新	Report Date	2023.09.12
Project		Report Version	1.0
Product Description	WiFi	Prepared by	舒席良
Sample Version	A01	Approved by	

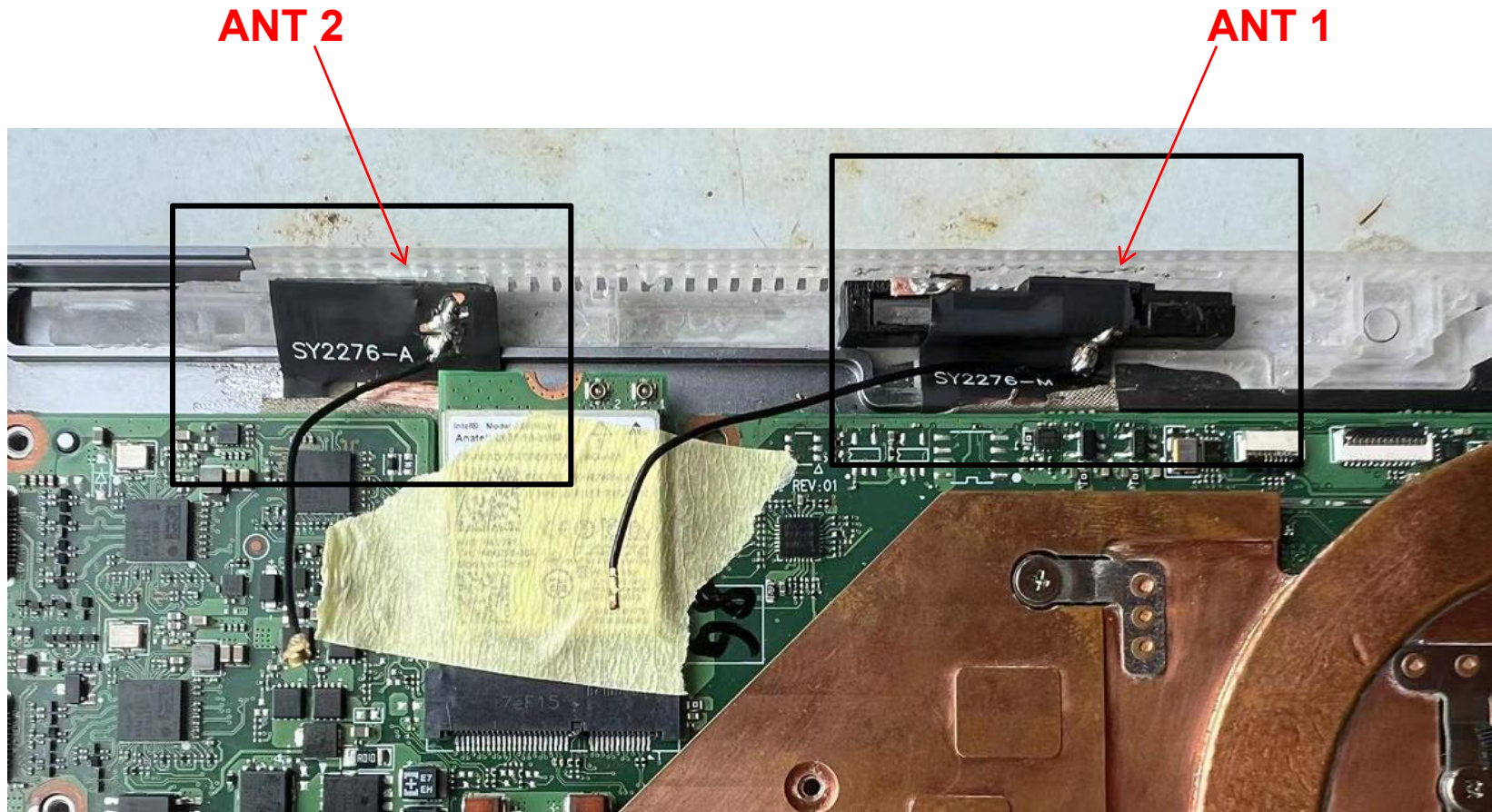
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1. Testing Item & Equipment



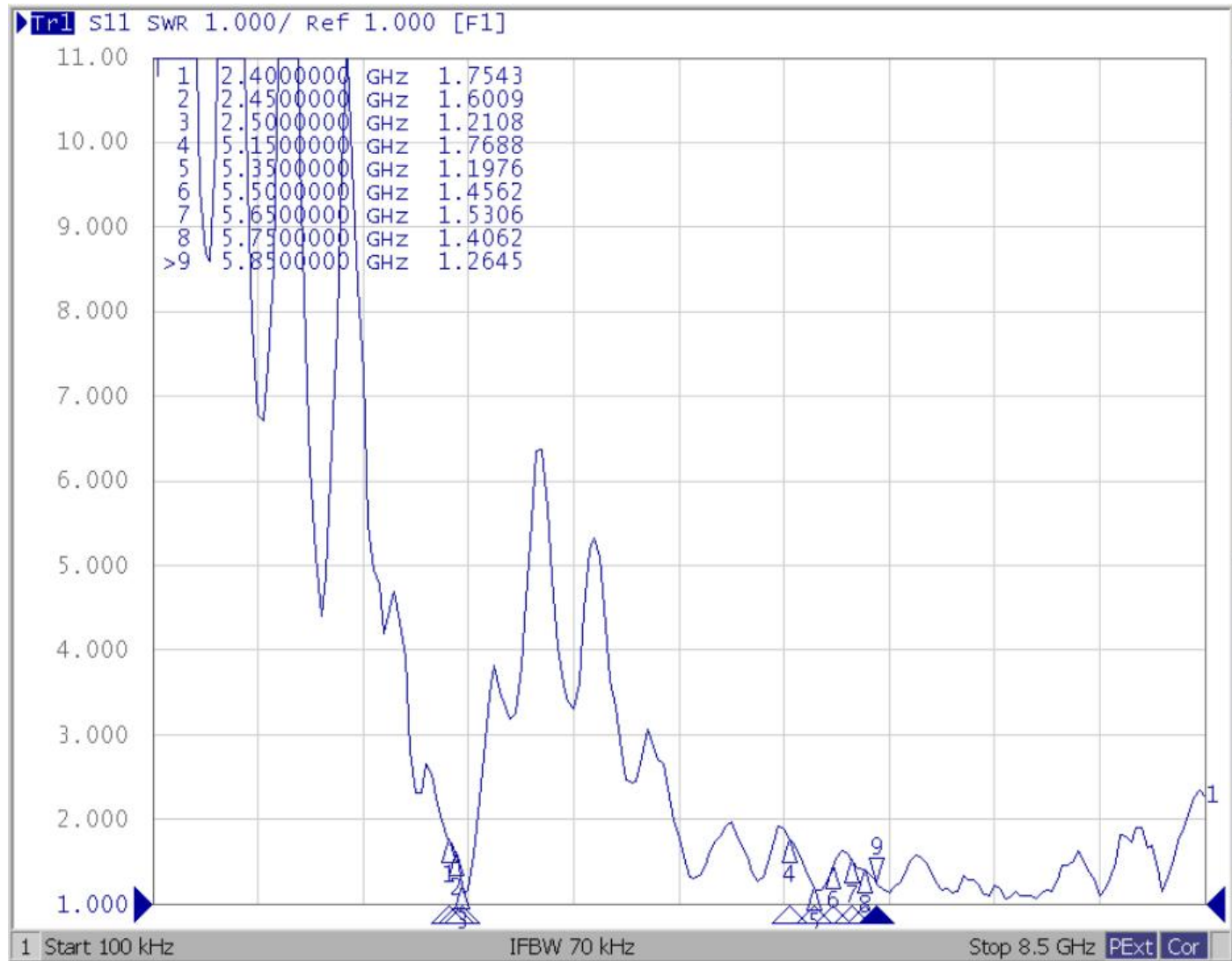
2. Antenna Structure



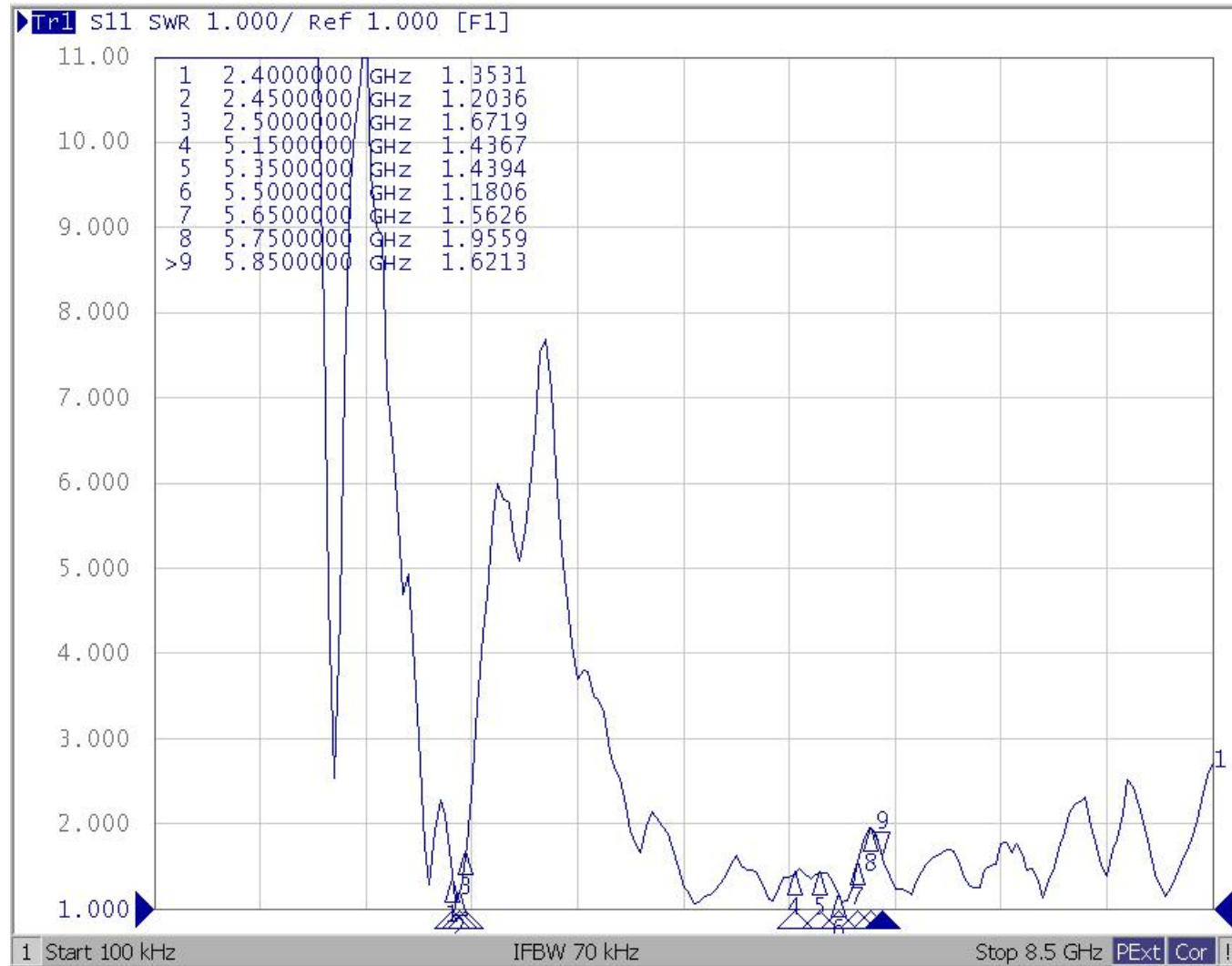
3. Test Data

ANT 1

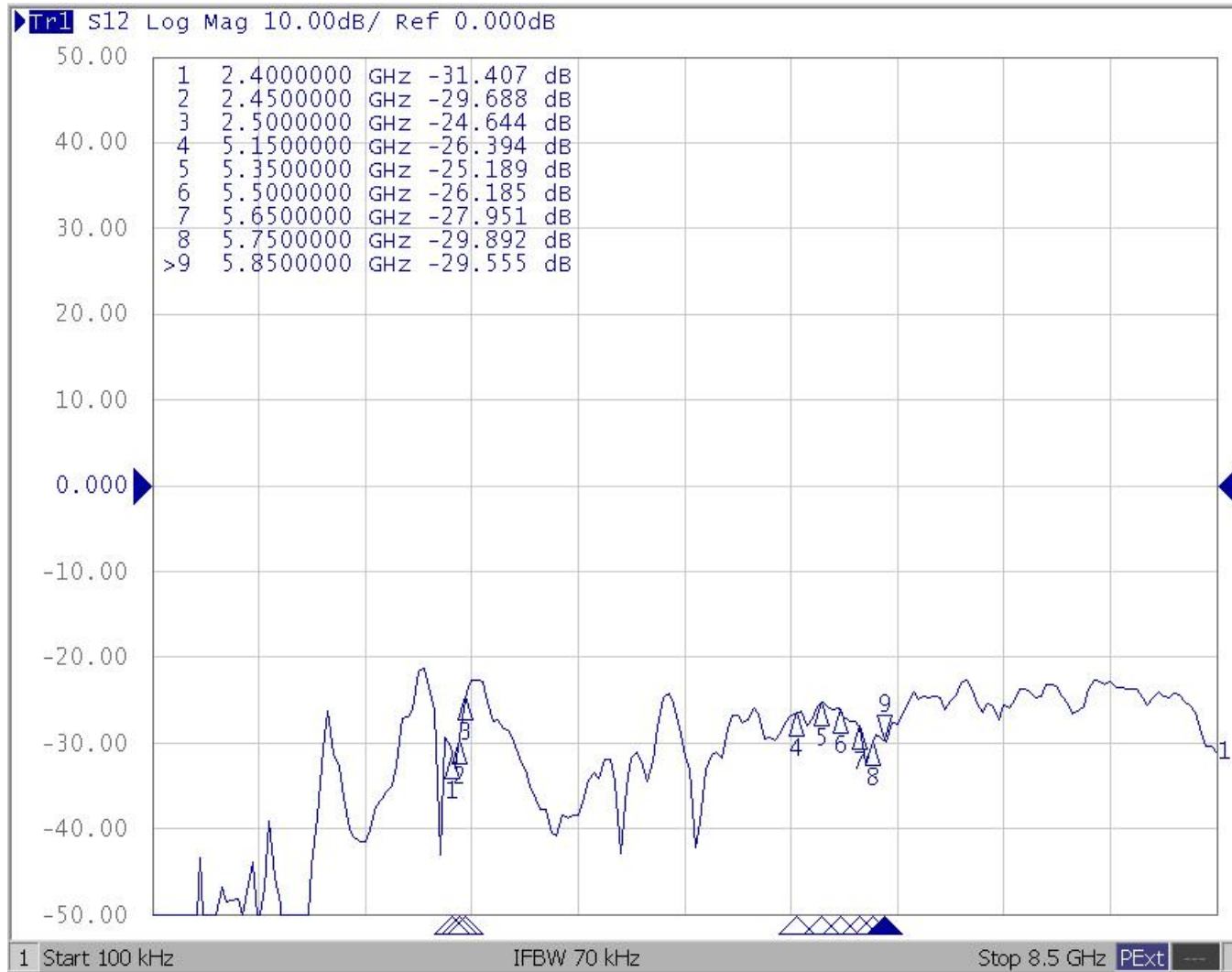
3.1 S-Parameters



ANT 2



ANT 1&ANT 2



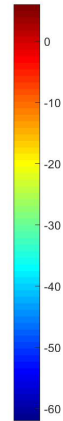
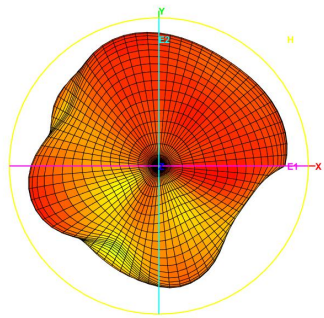
4. Antenna Gain Test

_4.1 Antenna Radiation Pattern

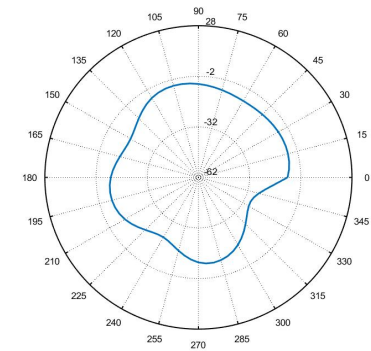
2450MHz

ANT 1

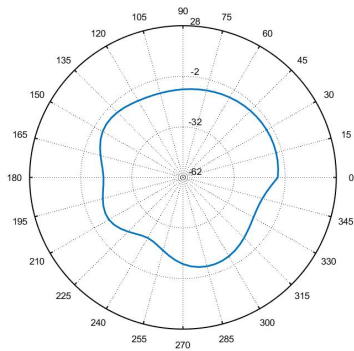
Theta_3D_H_2.45GHz



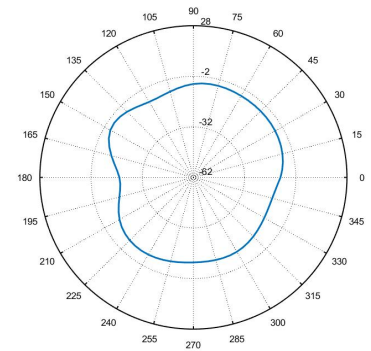
Theta_Polar_H_2.45GHz



Theta_Polar_E1_2.45GHz

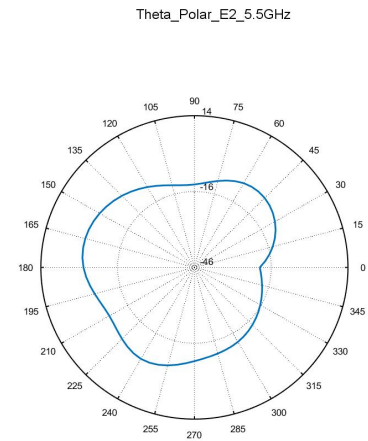
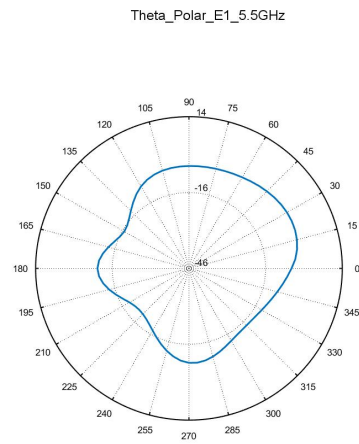
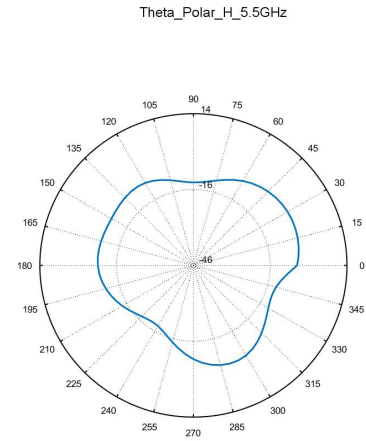
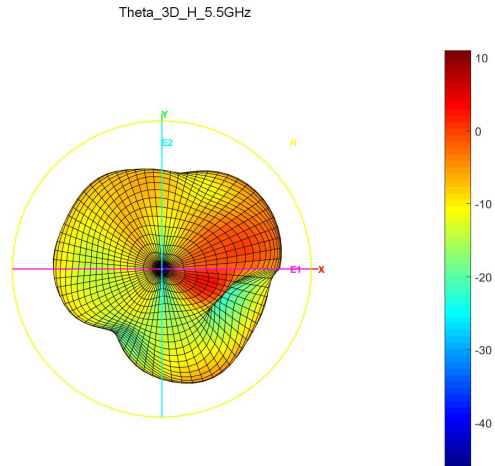


Theta_Polar_E2_2.45GHz



ANT 1

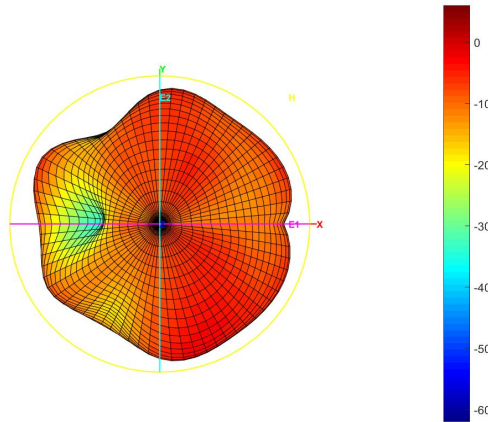
5500MHz



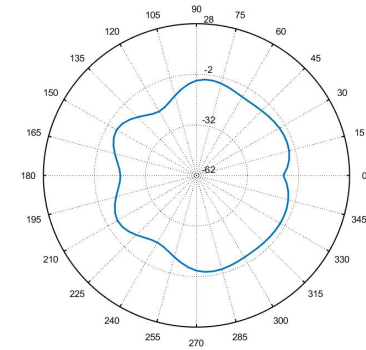
ANT 2

2450MHz

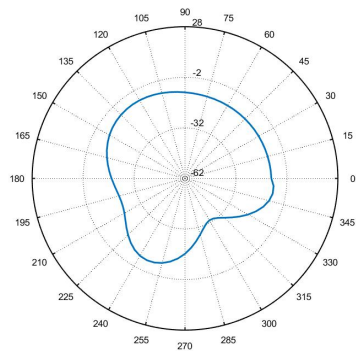
Phi_3D_H_2.45GHz



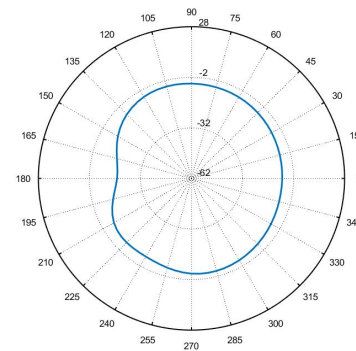
Phi_Polar_H_2.45GHz



Phi_Polar_E1_2.45GHz



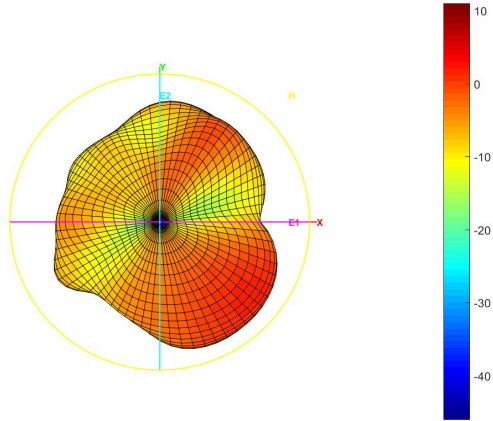
Phi_Polar_E2_2.45GHz



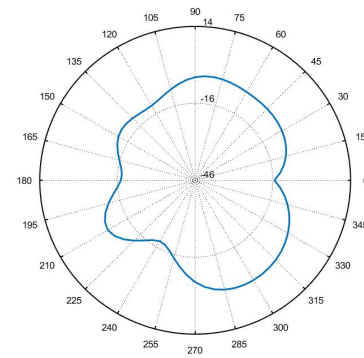
ANT 2

5500MHz

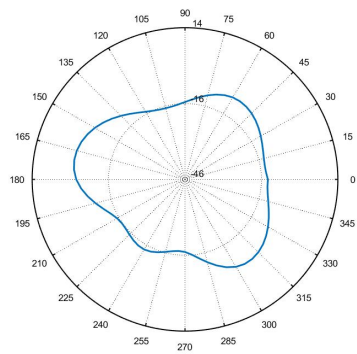
Phi_3D_H_5.5GHz



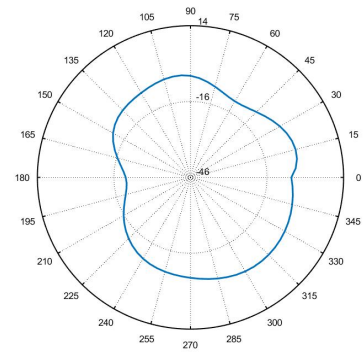
Phi_Polar_H_5.5GHz



Phi_Polar_E1_5.5GHz



Phi_Polar_E2_5.5GHz



4.Antanna Gain Test

_4.2 Gain and Efficiency Test Data

	ANT-1		ANT-2	
Freq (MHz)	Effi (%)	Gain (dBi)	Effi (%)	Gain (dBi)
2400	35.21	0.43	28.75	0.26
2450	33.70	0.78	22.27	0.98
2500	29.24	0.46	23.05	0.83
5150	31.76	0.15	32.77	0.29
5350	37.81	0.23	34.20	0.49
5550	38.34	0.74	30.12	0.54
5650	35.46	0.67	31.88	0.02
5750	32.33	0.55	26.89	0.92
5850	30.24	0.97	33.05	0.42