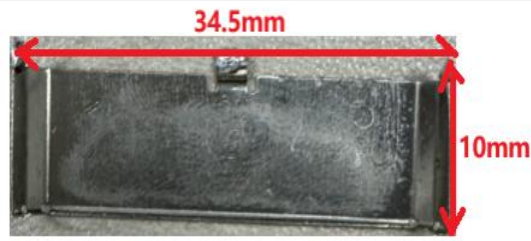
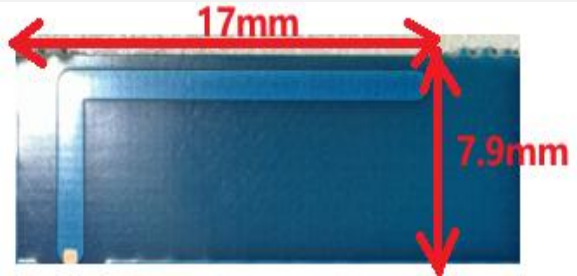


SolarGuardX 110 Antenna Report

Antenna Name	LTE Antenna-part 1
Antenna Model	SGX 110_MAIN_ANT_V1.0
Antenna Type	Metal Frame Antenna
Antenna Size	34.5x10mm
Antenna Manufacturer	Shenzhen TOPFLYTech Co.,Limited
Manufacturer Address	4th-5th floor,Scientific Research Building,Tsinghua Info Hub,Nanshan Hi-Tech Park,Shenzhen,Guangdong,China
Band & Frequency	GSM 850/GSM1900 LTE B2/B4/B5/B7/B12/B13/B17/B25/B26/B38/B40/B41/B66
Antenna Photo	

Antenna Name	LTE Antenna-part 2
Antenna Model	/
Antenna Type	PCB Printed Antenna
Antenna Size	38x9.5mm
Antenna Manufacturer	Shenzhen TOPFLYTech Co.,Limited
Manufacturer Address	4th-5th floor,Scientific Research Building,Tsinghua Info Hub,Nanshan Hi-Tech Park,Shenzhen,Guangdong,China
Band & Frequency	GSM 850/GSM1900 LTE B2/B4/B5/B7/B12/B13/B17/B25/B26/B38/B40/B41/B66
Antenna Photo	

BT Antenna Information

Antenna Name	BT Antenna
Antenna Model	/
Antenna Type	PCB Printed Antenna
Antenna Size	17x7.9mm
Antenna Manufacturer	Shenzhen TOPFLYTech Co.,Limited
Manufacturer Address	4th-5th floor,Scientific Research Building,Tsinghua Info Hub,Nanshan Hi-Tech Park,Shenzhen,Guangdong,China
Band & Frequency	2402~2480MHz
Antenna Photo	

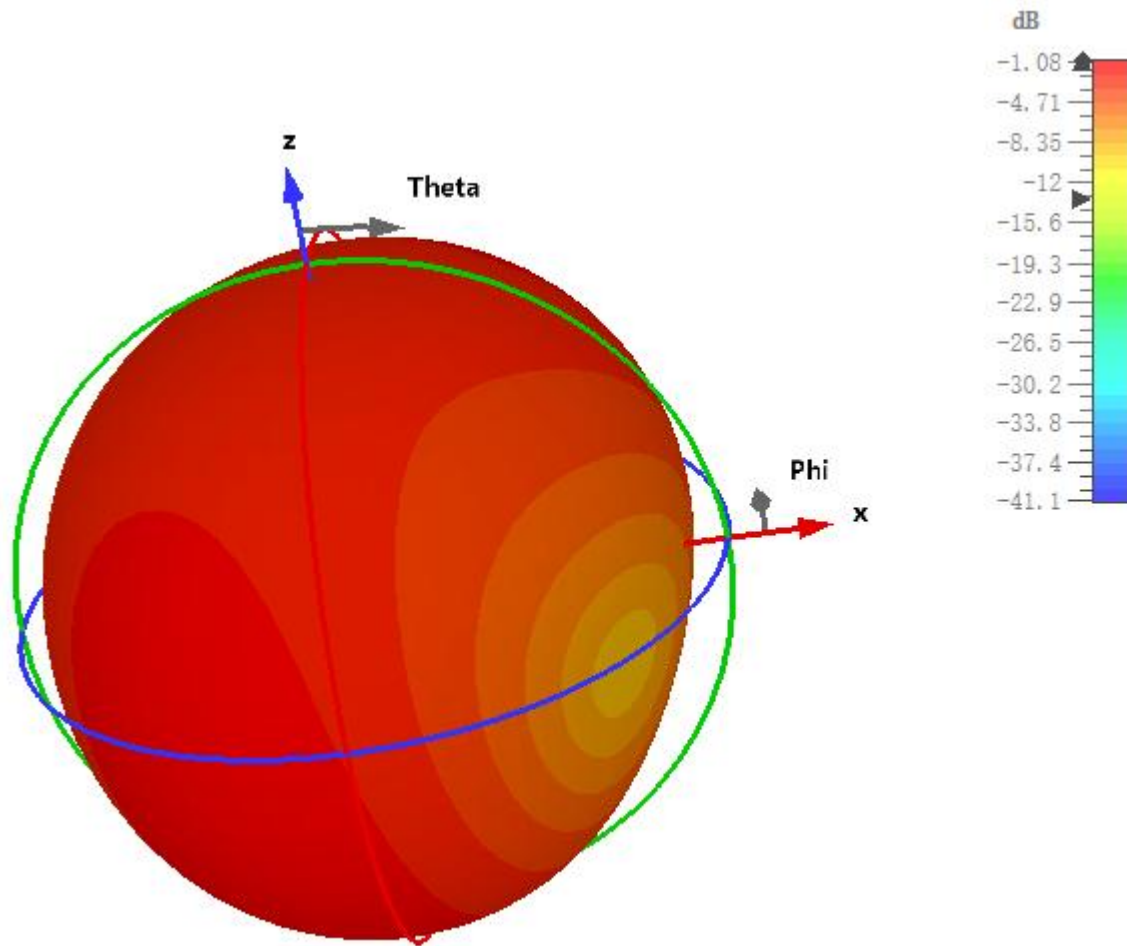
GPS Antenna Information

Antenna Name	GPS Antenna-part 1
Antenna Model	TC019X_GPS_ANT_V1.0
Antenna Type	PCB Antenna Board
Antenna Size	17.2x11.7x0.8mm
Antenna Manufacturer	Shenzhen TOPFLYTech Co.,Limited
Manufacturer Address	4th-5th floor,Scientific Research Building,Tsinghua Info Hub,Nanshan Hi-Tech Park,Shenzhen,Guangdong,China
Band & Frequency	1559~1610MHz
Antenna Photo	

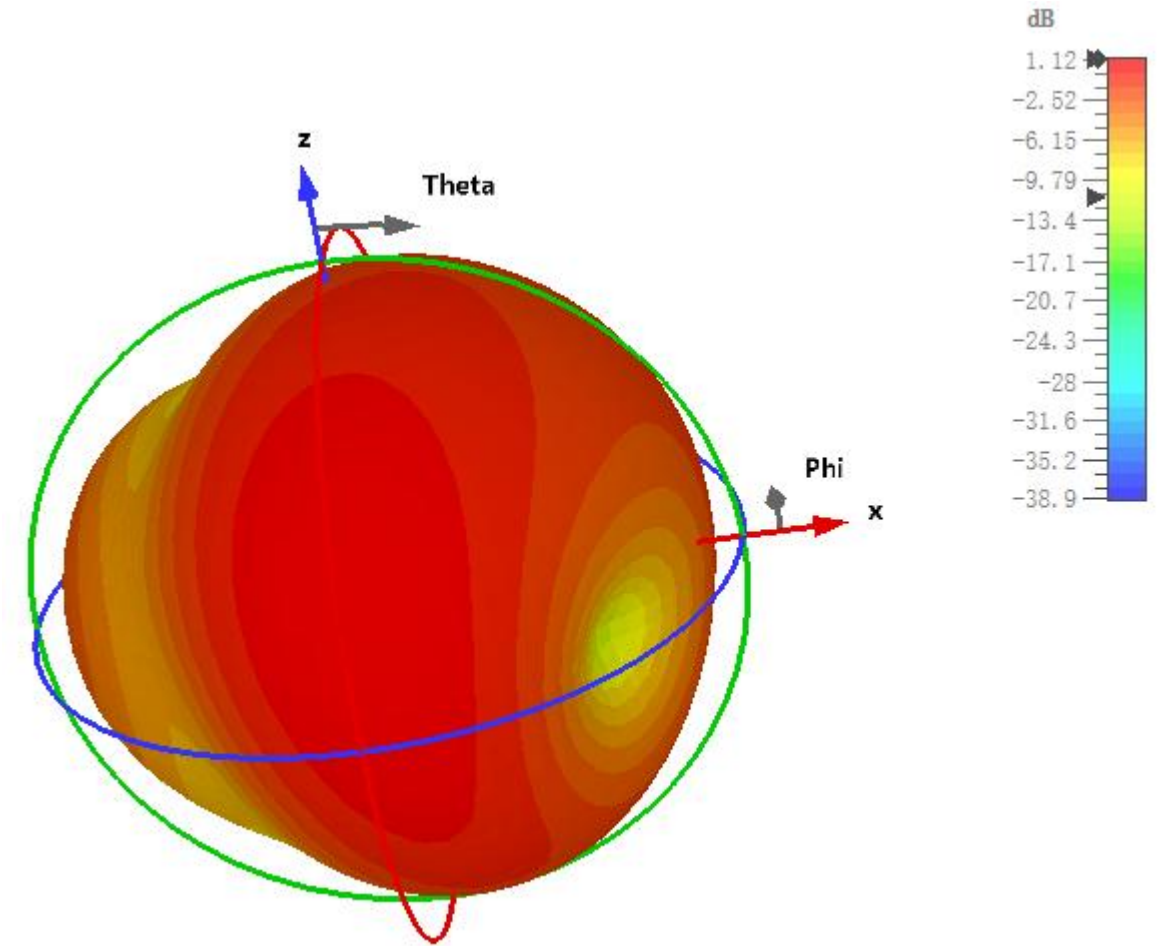
Antenna Name	GPS Antenna-part 2
Antenna Model	/
Antenna Type	PCB Printed Antenna
Antenna Size	27.5x13mm
Antenna Manufacturer	Shenzhen TOPFLYTech Co.,Limited
Manufacturer Address	4th-5th floor,Scientific Research Building,Tsinghua Info Hub,Nanshan Hi-Tech Park,Shenzhen,Guangdong,China
Band & Frequency	1559~1610MHz
Antenna Photo	

Mode	Frequency(MHz)	Peak Gain (dBi)	Antenna Type
BT-LE	2402 ~ 2480	1.36	PCB Antenna
GSM850	824 ~ 849	-1.08	PCB Antenna
GSM1900	1850 ~ 1910	1.12	PCB Antenna
LTE B2	1850 ~ 1910	1.12	PCB Antenna
LTE B4	1710 ~ 1755	0.93	PCB Antenna
LTE B5	824 ~ 849	-1.08	PCB Antenna
LTE B7	2500 ~ 2570	0.74	PCB Antenna
LTE B12	699 ~ 716	-1.96	PCB Antenna
LTE B13	777 ~ 787	-1.63	PCB Antenna
LTE B17	704 ~ 716	-2.05	PCB Antenna
LTE B25	1850 ~ 1915	1.12	PCB Antenna
LTE B26	814 ~ 849	-1.08	PCB Antenna
LTE B38	2570 ~ 2620	0.66	PCB Antenna
LTE B40	2305 ~ 2315	1.03	PCB Antenna
	2350 ~ 2360	1.25	PCB Antenna
LTE B41	2496 ~ 2690	0.68	PCB Antenna
LTE B66	1710 ~ 1780	0.93	PCB Antenna

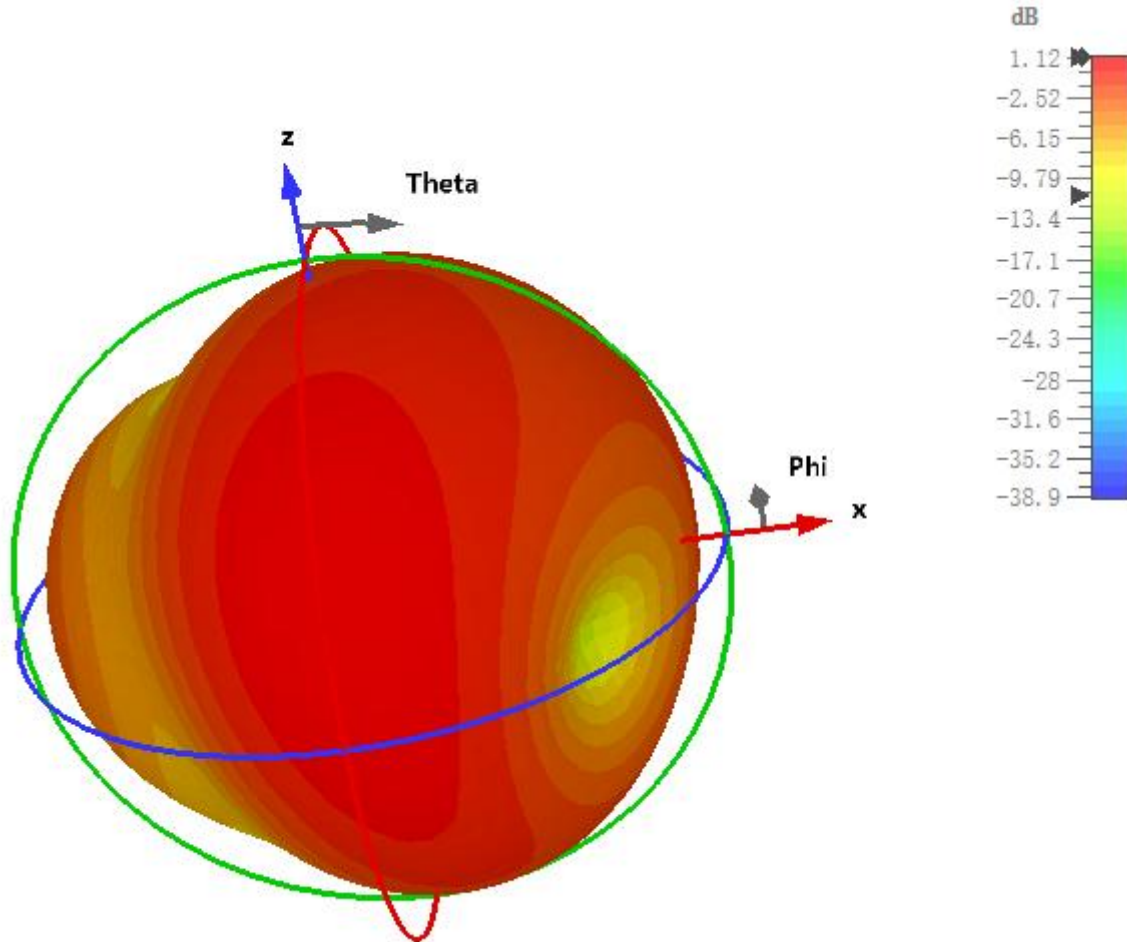
GSM850@-1.08dBi



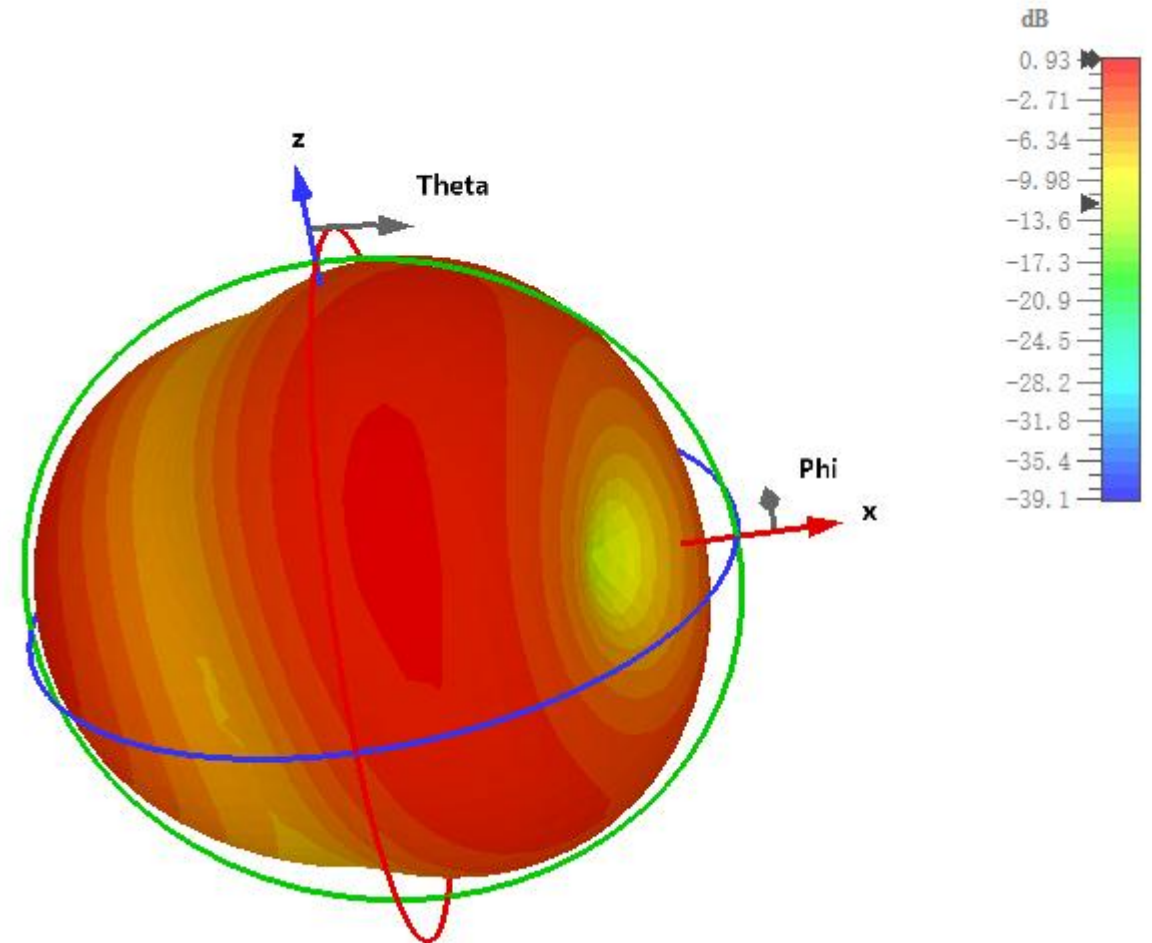
GSM1900@1.12dBi



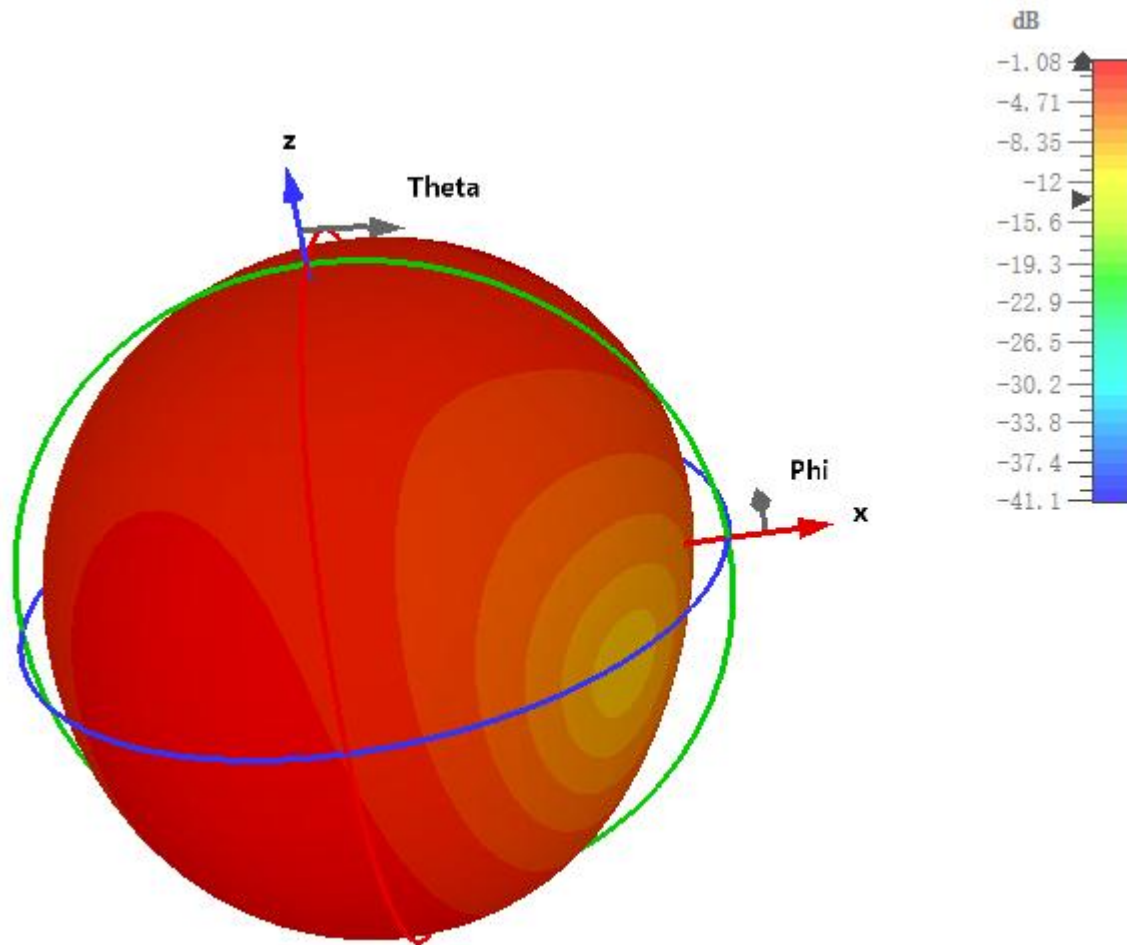
Band 2@1.12dBi



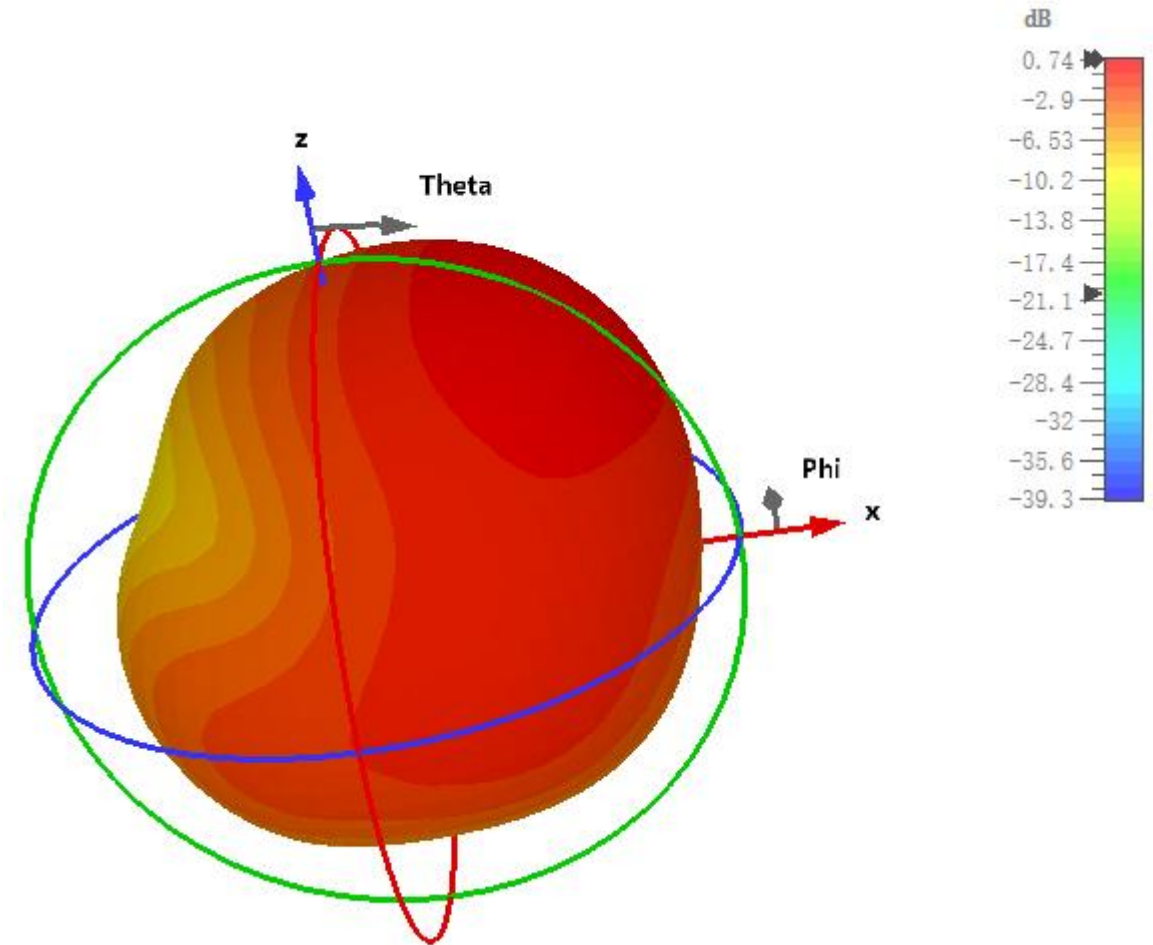
Band 4@0.93dBi



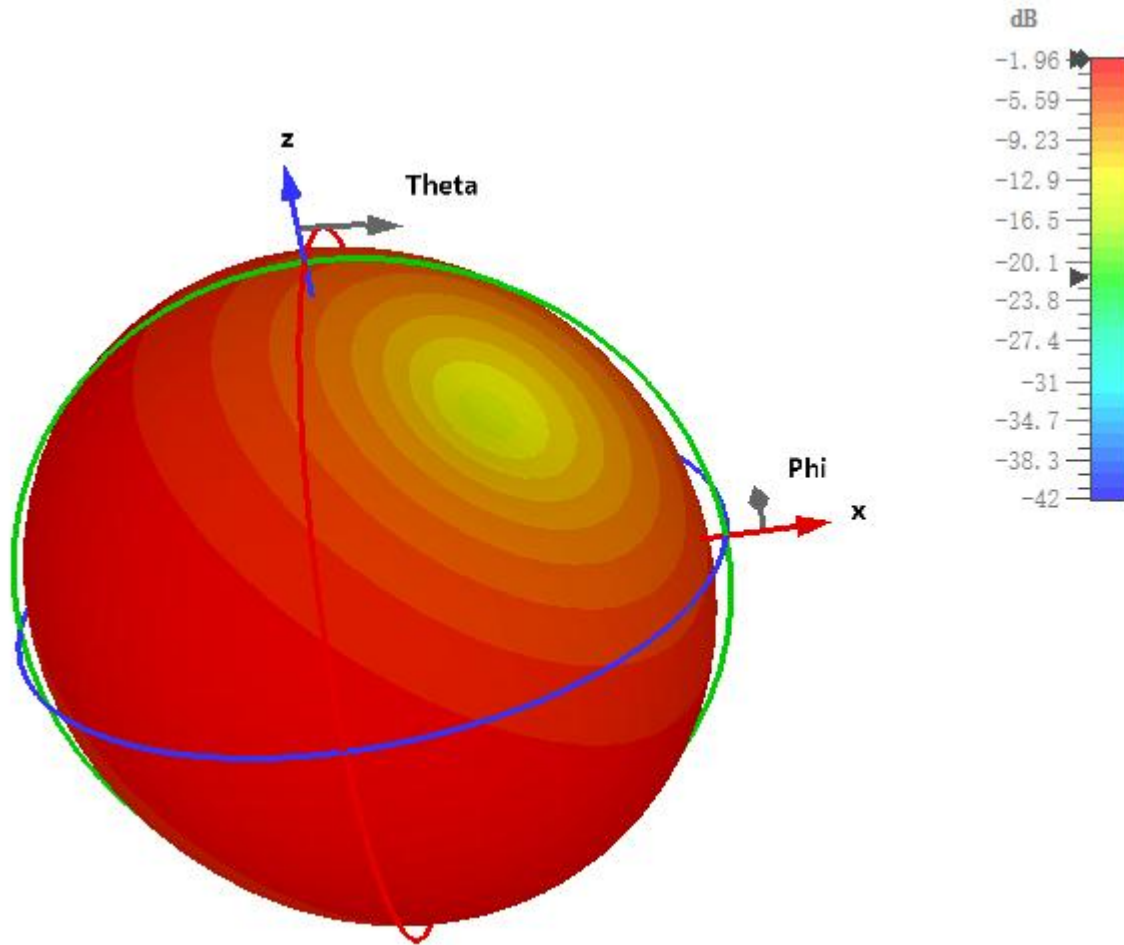
Band 5@-1.08dBi



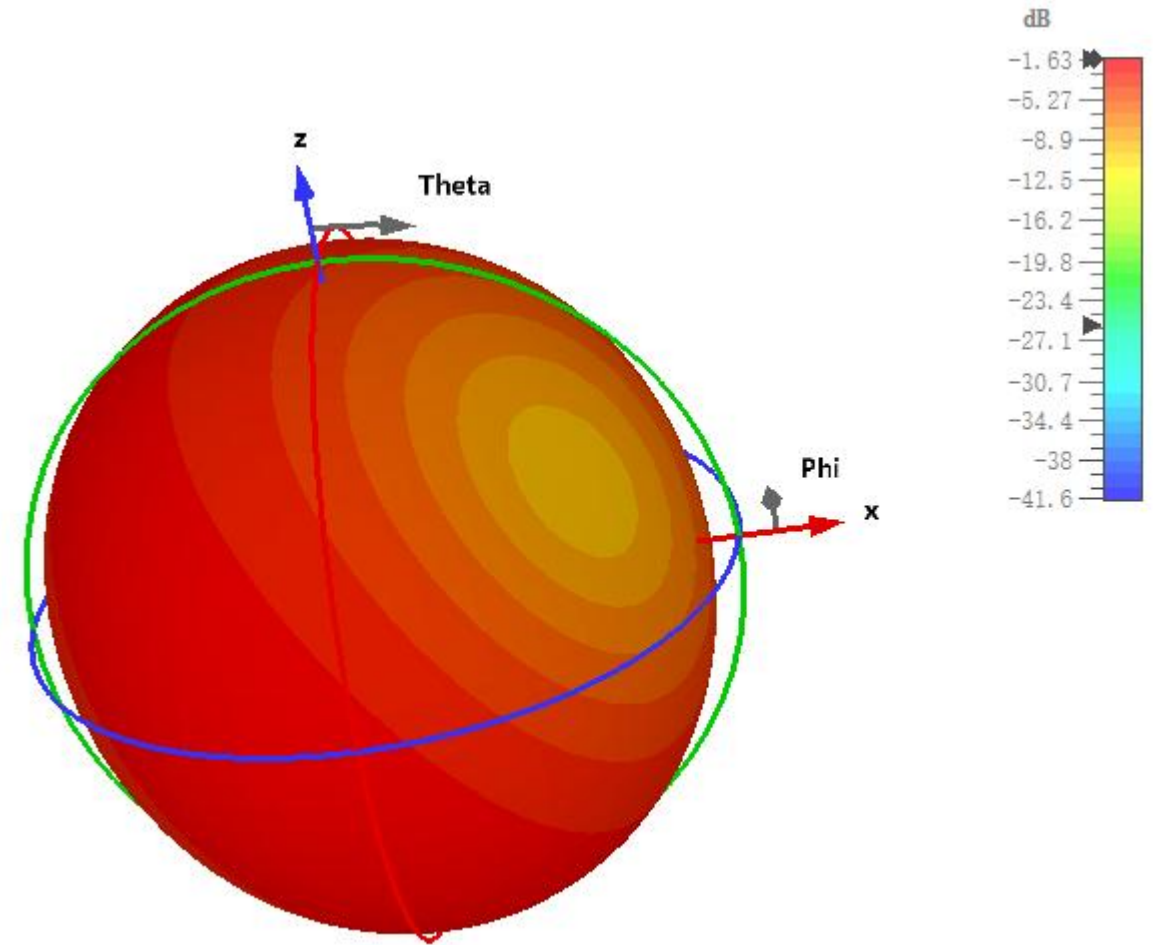
Band 7@0.74dBi



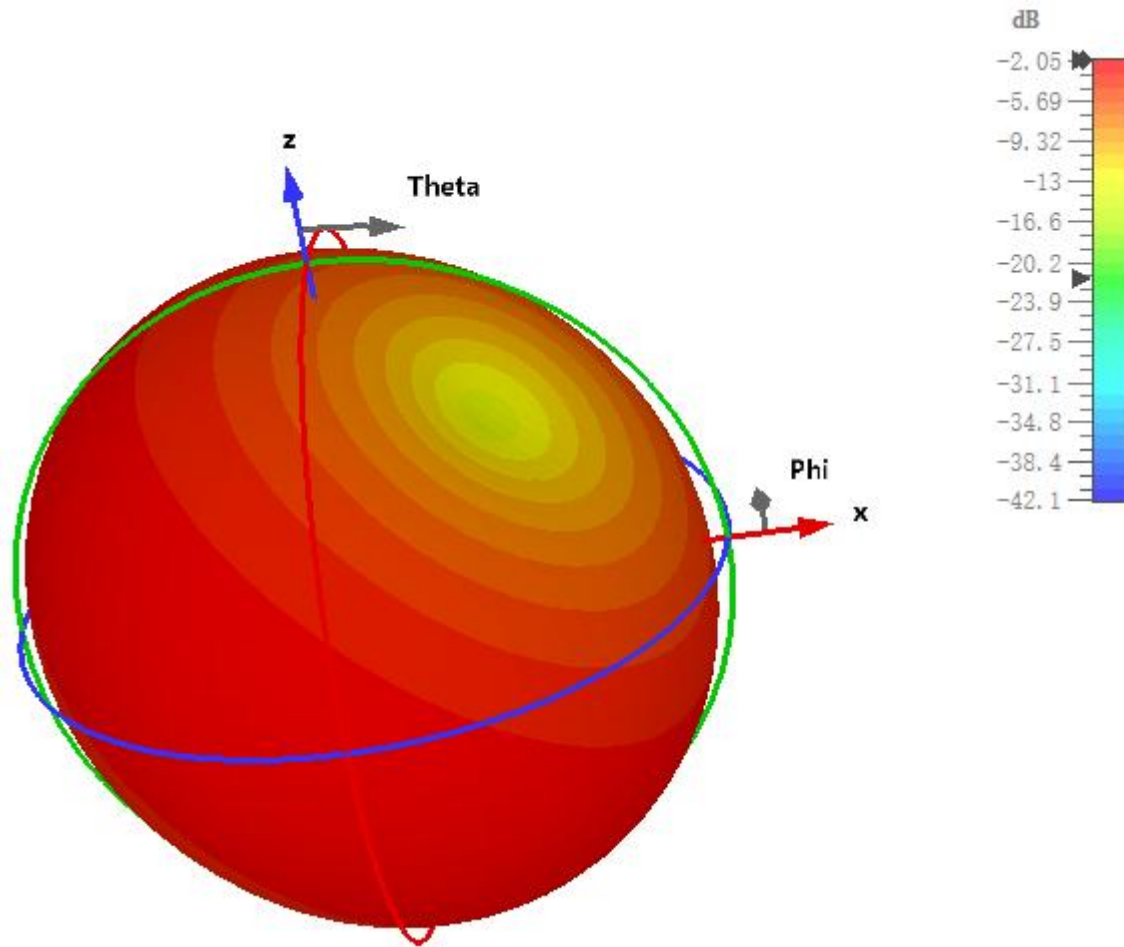
Band 12@-1.96dBi



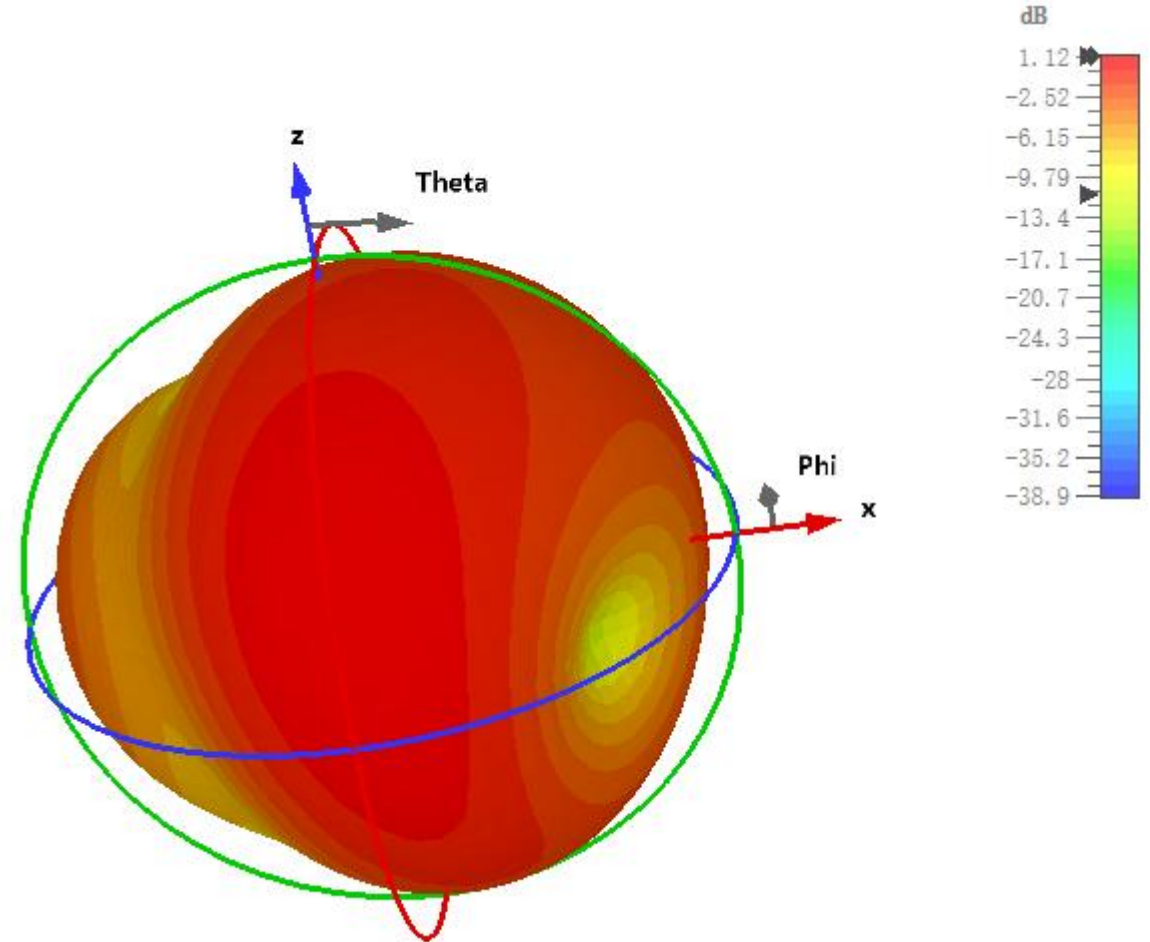
Band 13@-1.63dBi



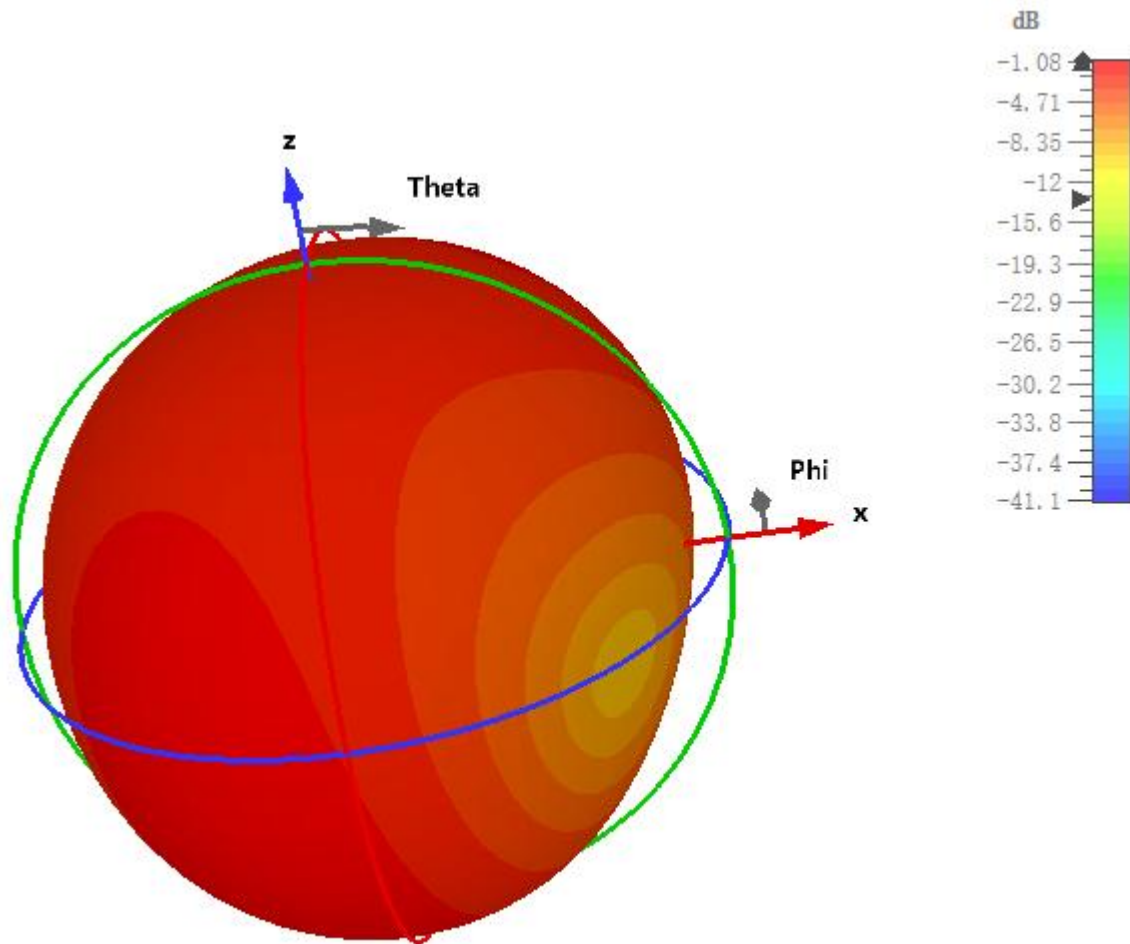
Band 17@-2.05dBi



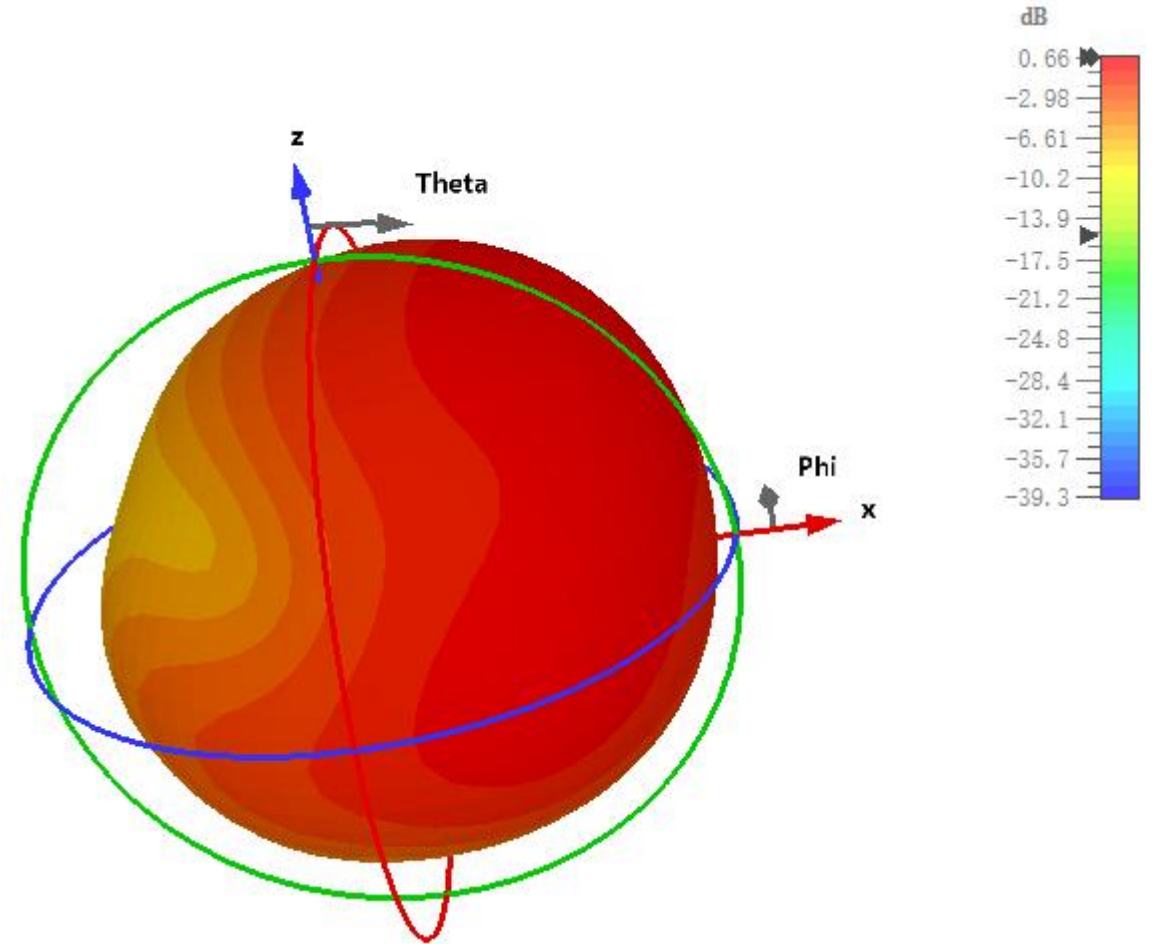
Band 25@1.12dBi



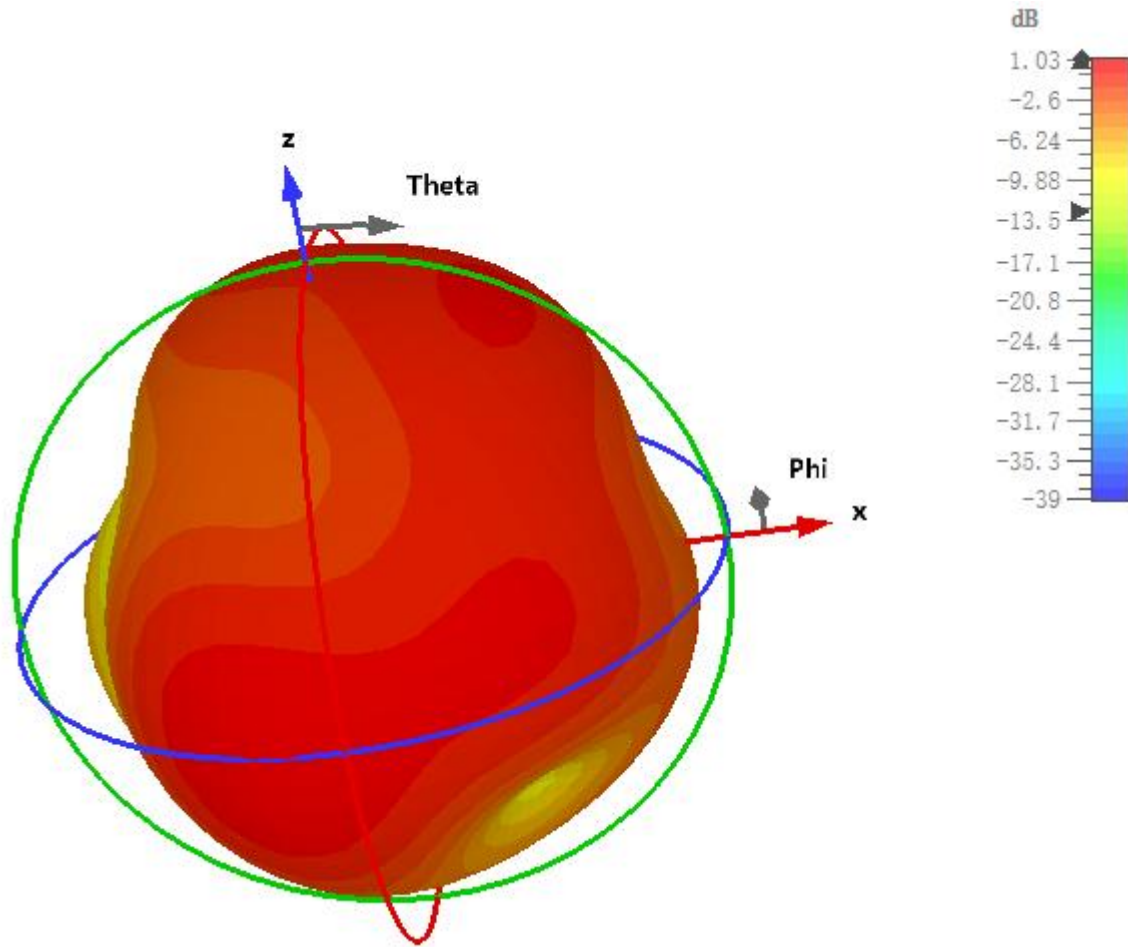
Band 26@-1.08dBi



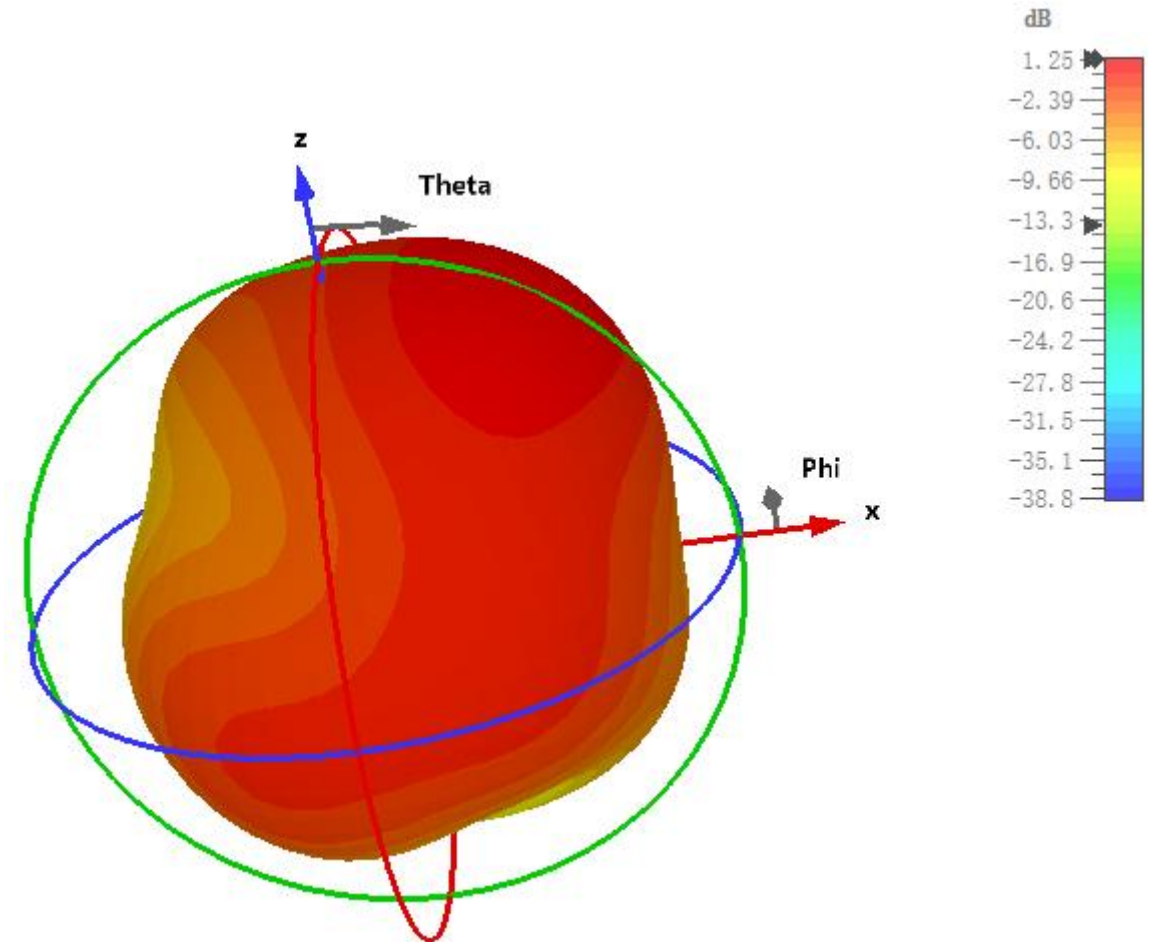
Band 38@0.66dBi



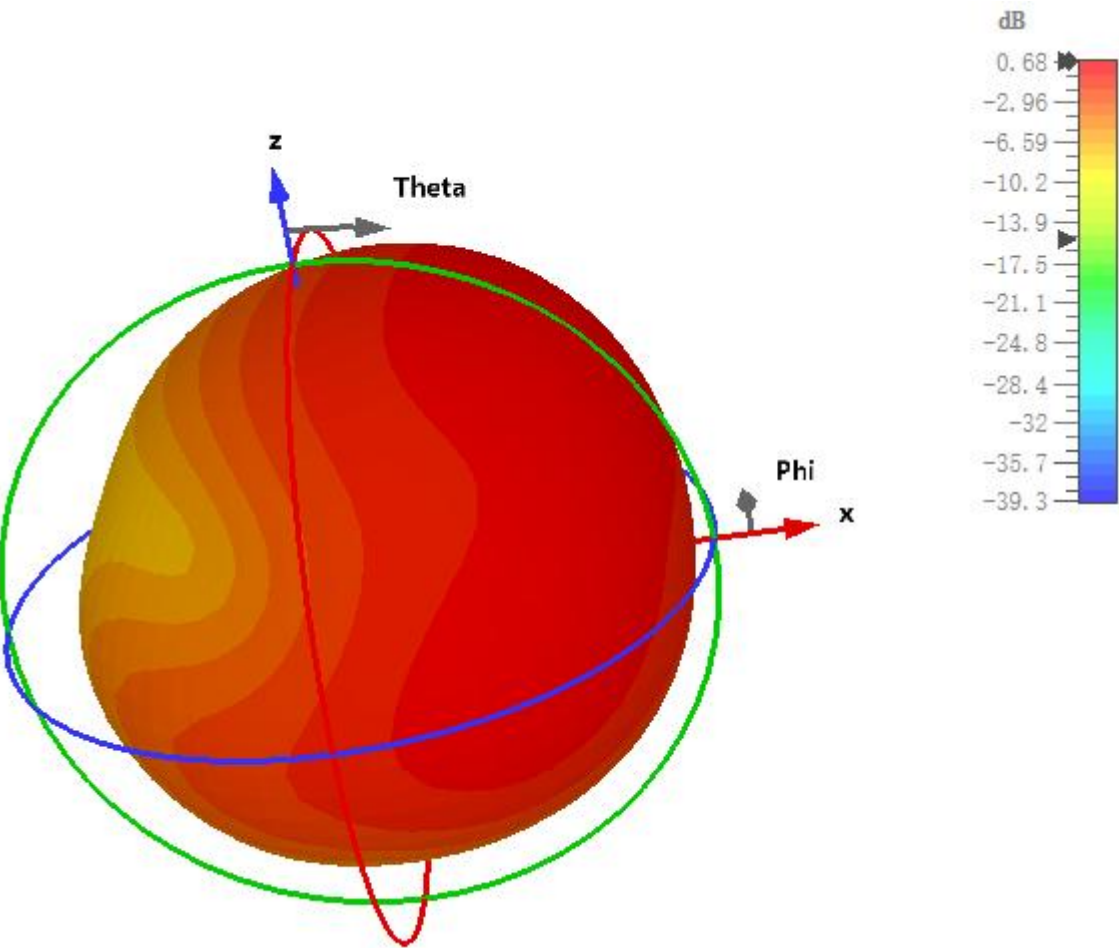
Band 40@1.03dBi



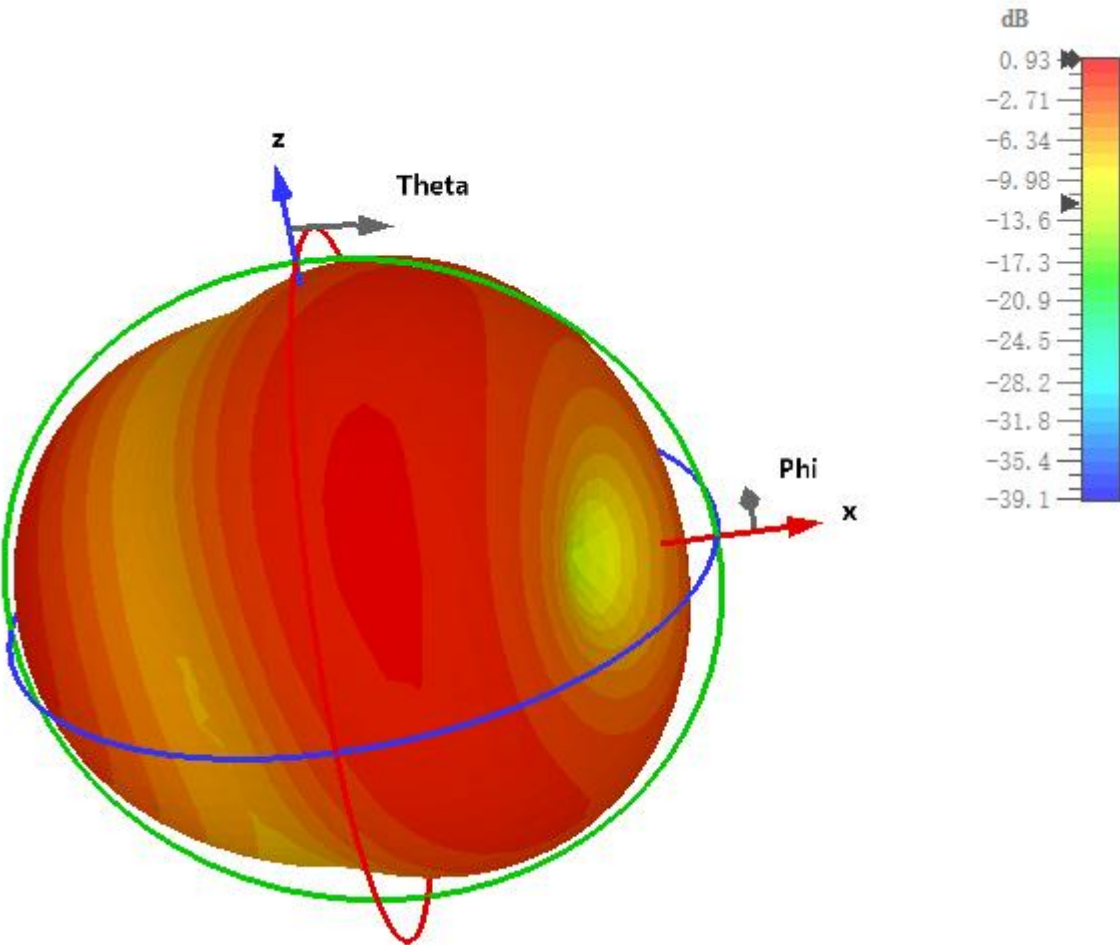
Band 40@1.25dBi



Band 41@0.68dBi



Band 66@0.93dBi



BT-LE@ 1.36dB

