

Antenna Specification (WiFi)

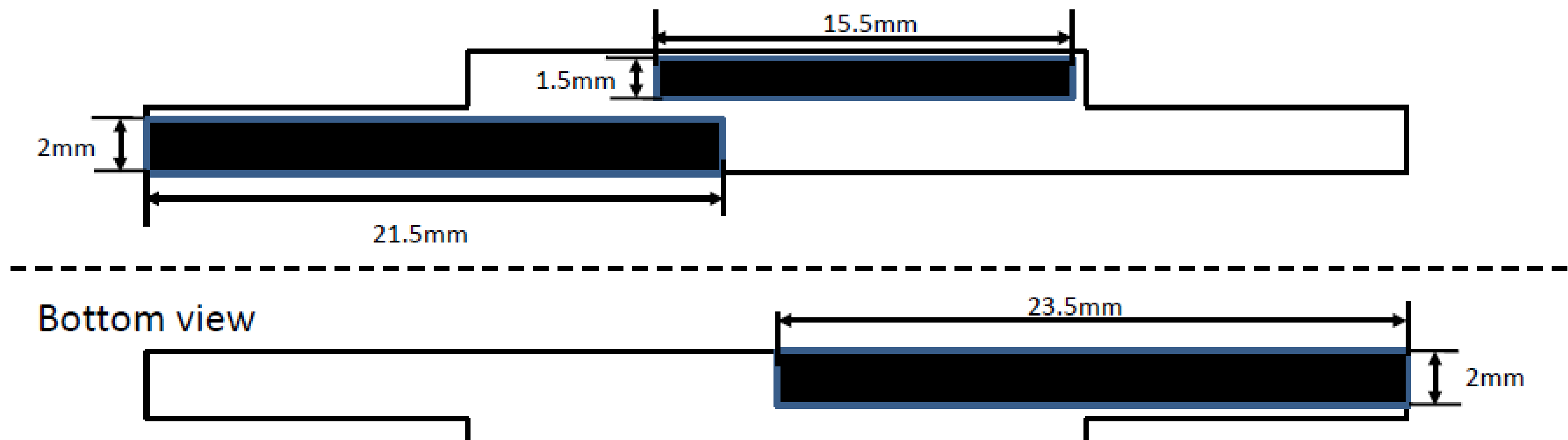
Specifications

Summary

Item		SPEC							
Antenna type		Dipole antenna							
Antenna Model		N/A							
Antenna Trademark		N/A							
Antenna Manufacture		SANSEI ELECTRIC CO., Ltd.							
Center Frequency		Horizontal				Vertical			
		2400MHz	2450MHz	2500MHz		2400MHz	2450MHz	2500MHz	
	Antenna1	-3.58	-6.55	-12.69		-1.96	-2.24	-1.77	
	Antenna2	-3.96	-4.61	-5.46		-0.55	-1.59	-1.57	
MAX Gain		-0.55 dBi							
Center Frequency		Horizontal				Vertical			
		5180MHz	5300MHz	5500MHz	5750MHz	5180MHz	5300MHz	5500MHz	5750MHz
	Antenna1	-14.52	-8.59	-4.60	-9.36	-1.01	-1.75	-2.26	-2.37
	Antenna2	-3.45	-3.08	-5.77	-5.97	-0.82	-0.07	-0.95	-0.63
MAX Gain		-0.07 dBi							
Polarization		Horizontal and Vertical							
Azimuth Beam Pattern		Omni-Directional							
Impedance		50ohm							
Antenna Length		65mm							
Manufacture		SANSEI ELECTRIC CO., Ltd							

Top view

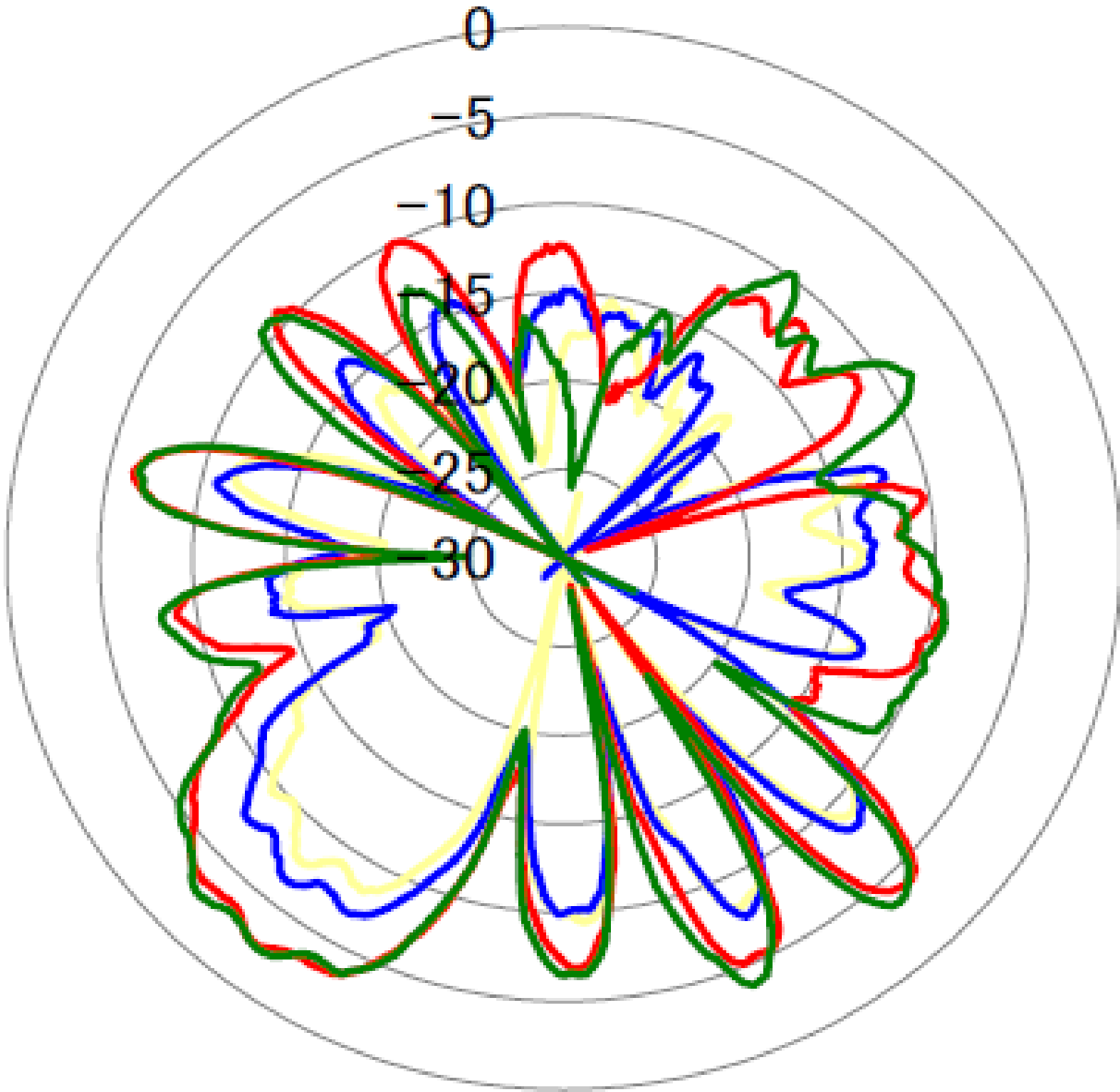
Top view



Horizontal

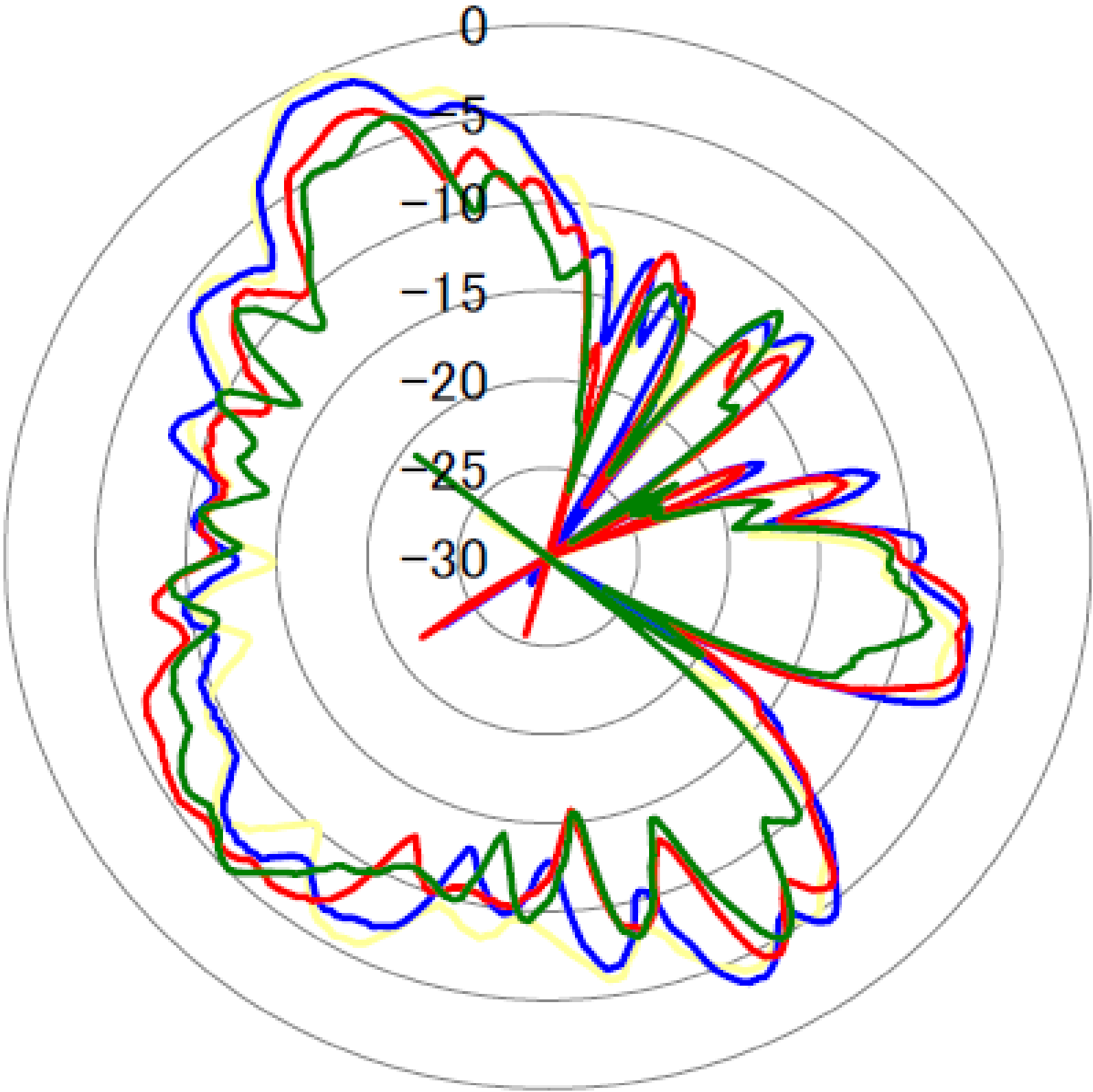
5GHz

Antenna 1



Antenna 1	Max.			
Frequency[MHz]	5180	5300	5500	5750
Gain[dBi]	-14.52	-8.59	-4.60	-9.36

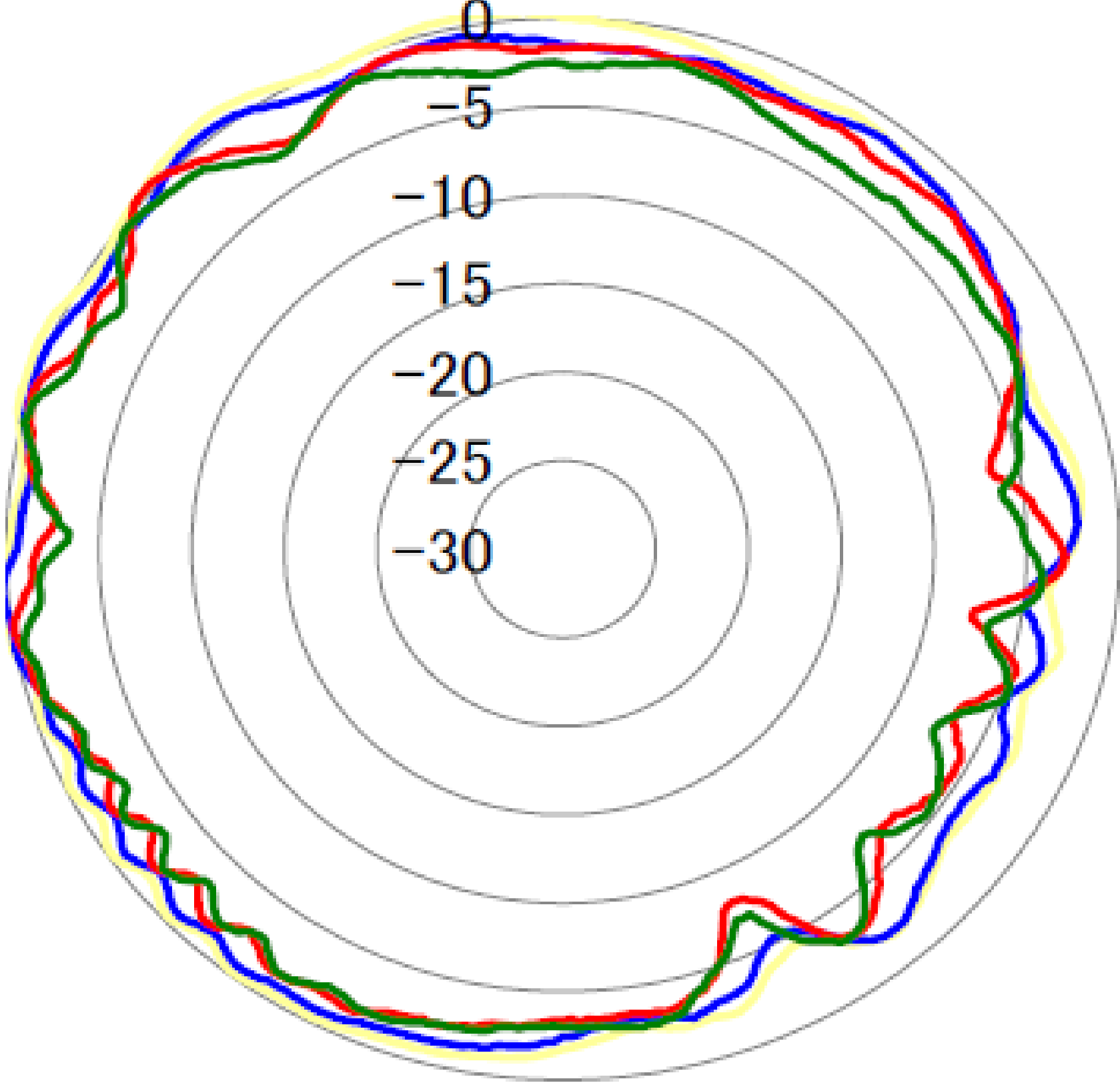
Antenna 2



Antenna 2	Max.			
Frequency[MHz]	5180	5300	5500	5750
Gain[dBi]	-3.45	-3.08	-5.77	-5.97

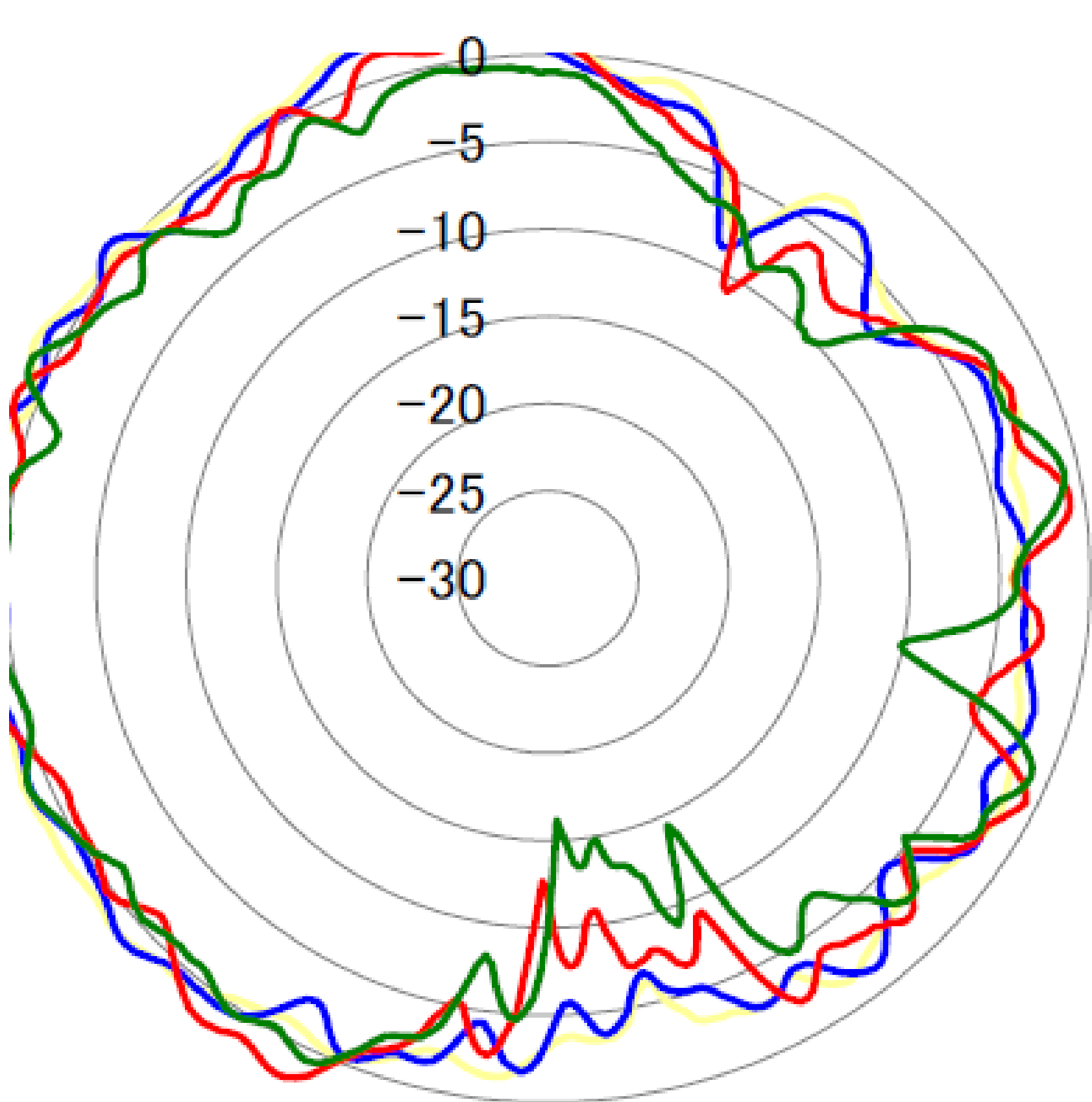
Vertical

Antenna 1



Antenna 1	Max.			
Frequency[MHz]	5180	5300	5500	5750
Gain[dBi]	-1.01	-1.75	-2.26	-2.37

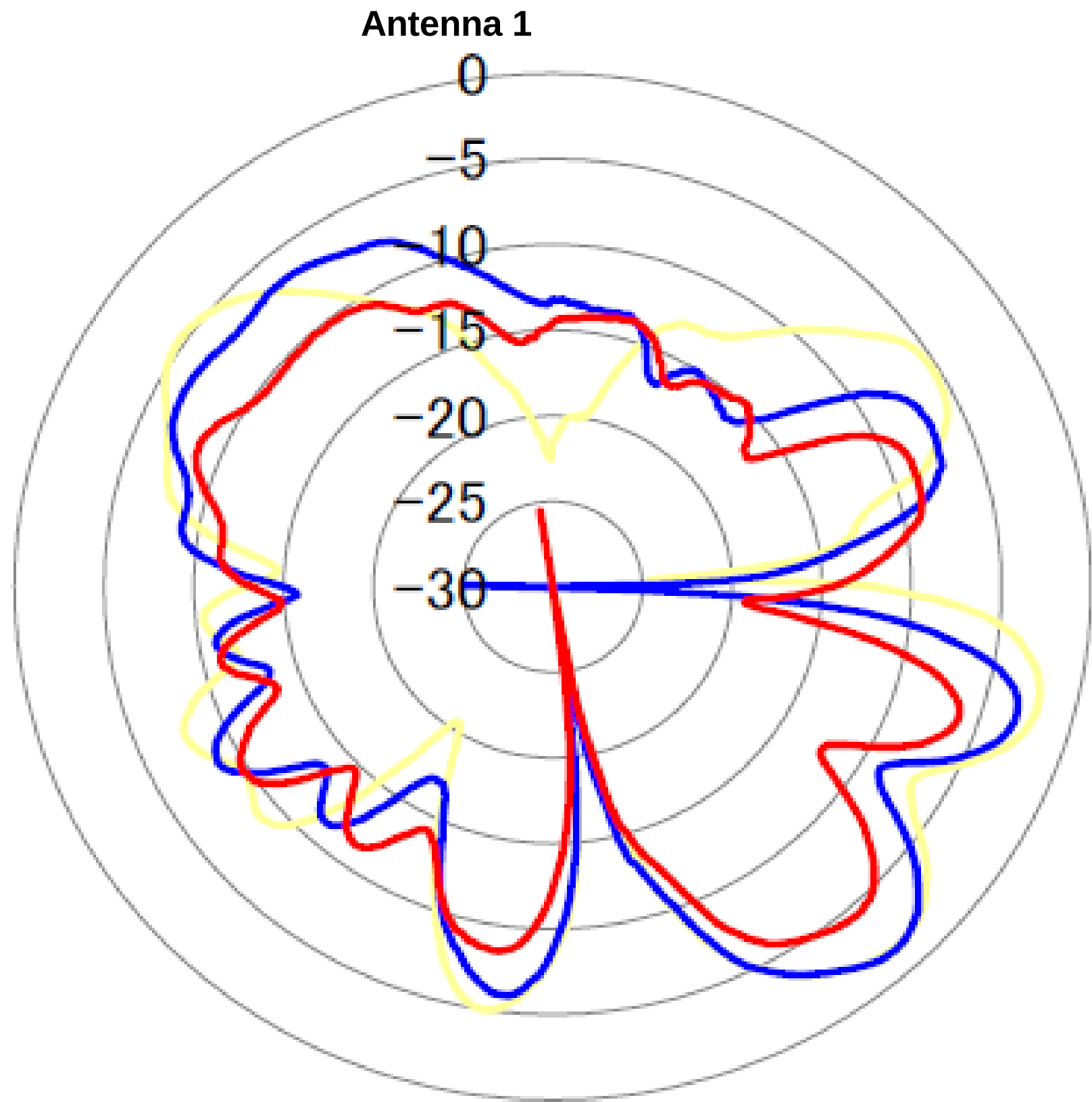
Antenna 2



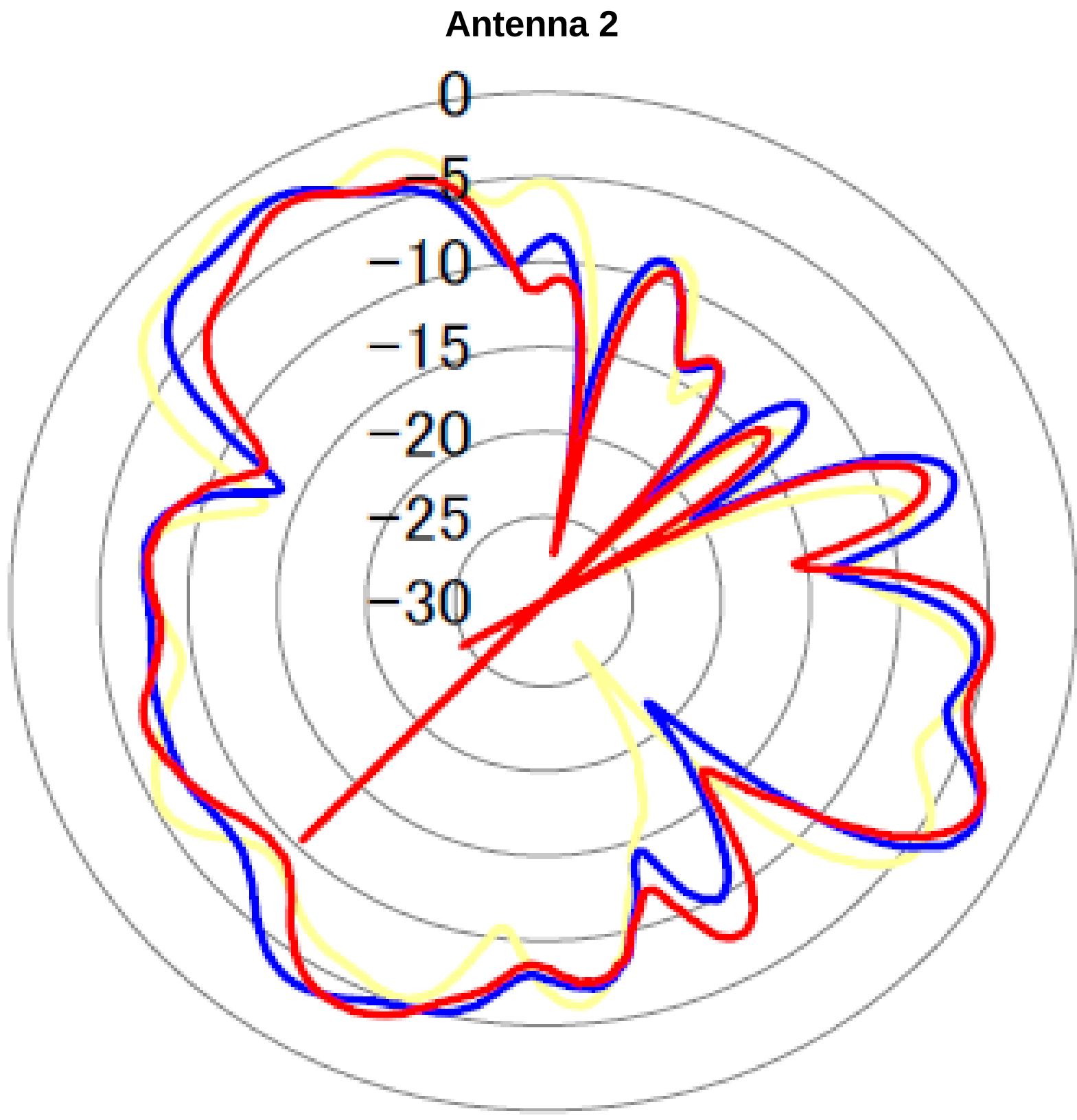
Antenna 2	Max.			
Frequency[MHz]	5180	5300	5500	5750
Gain[dBi]	-0.82	-0.07	-0.95	-0.63

Horizontal

2.4GHz

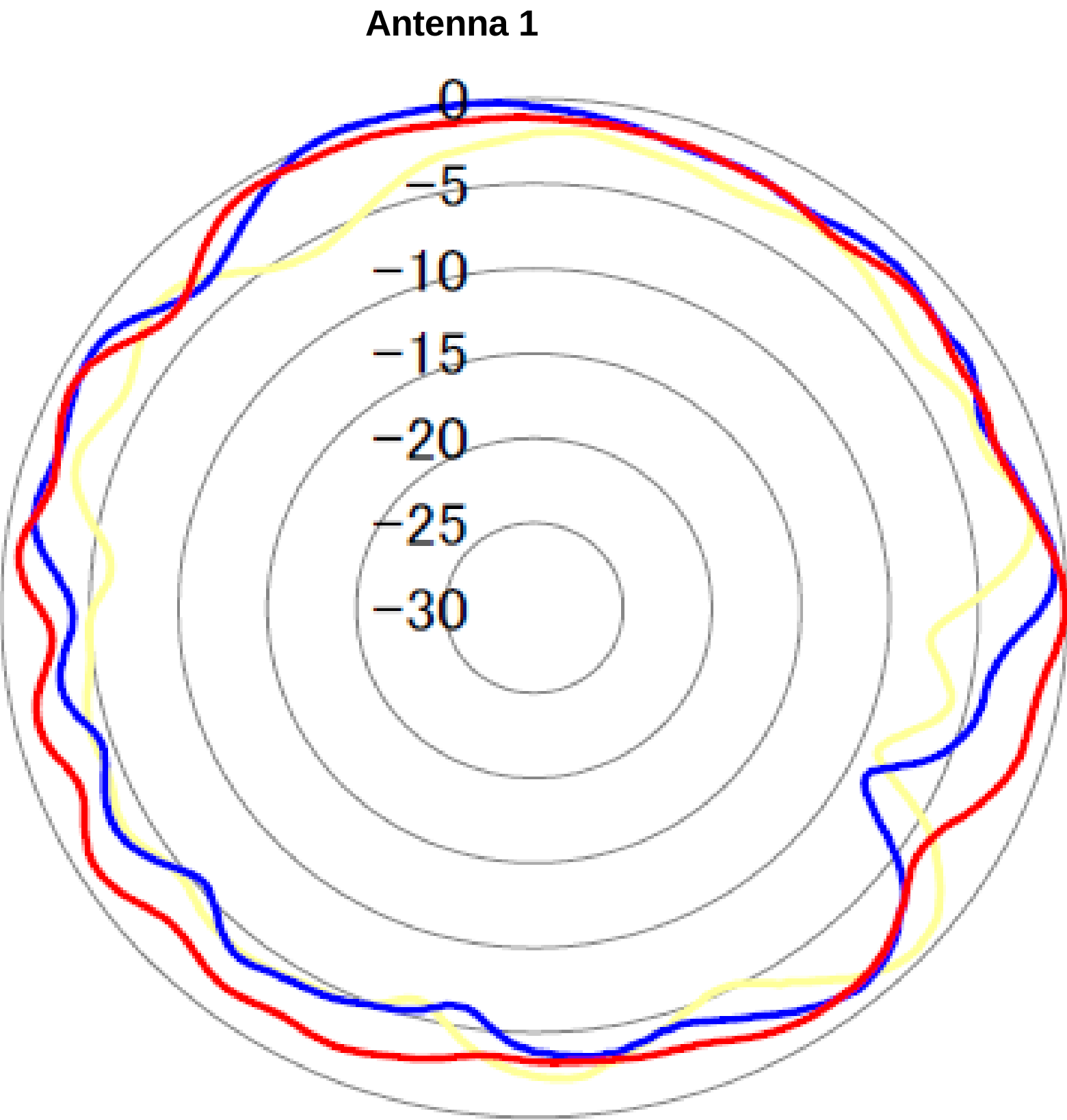


Antenna 1	Max.		
Frequency[MHz]	2400	2450	2500
Gain[dBi]	-3.58	-6.55	-12.69

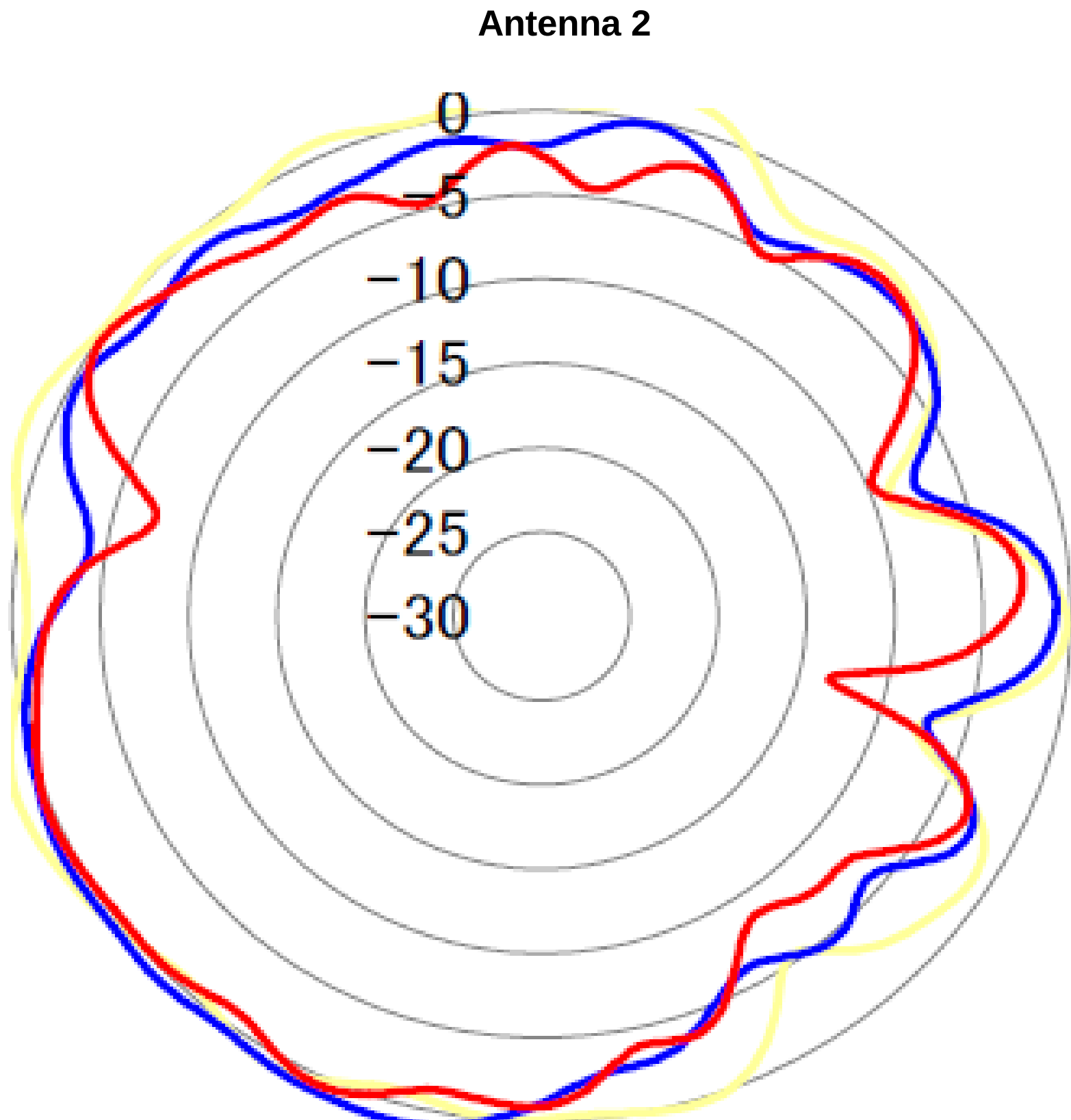


Antenna 2	Max.		
Frequency[MHz]	2400	2450	2500
Gain[dBi]	-3.96	-4.61	-5.46

Vertical



Antenna 1	Max.		
Frequency[MHz]	2400	2450	2500
Gain[dBi]	-1.96	-2.24	-1.77

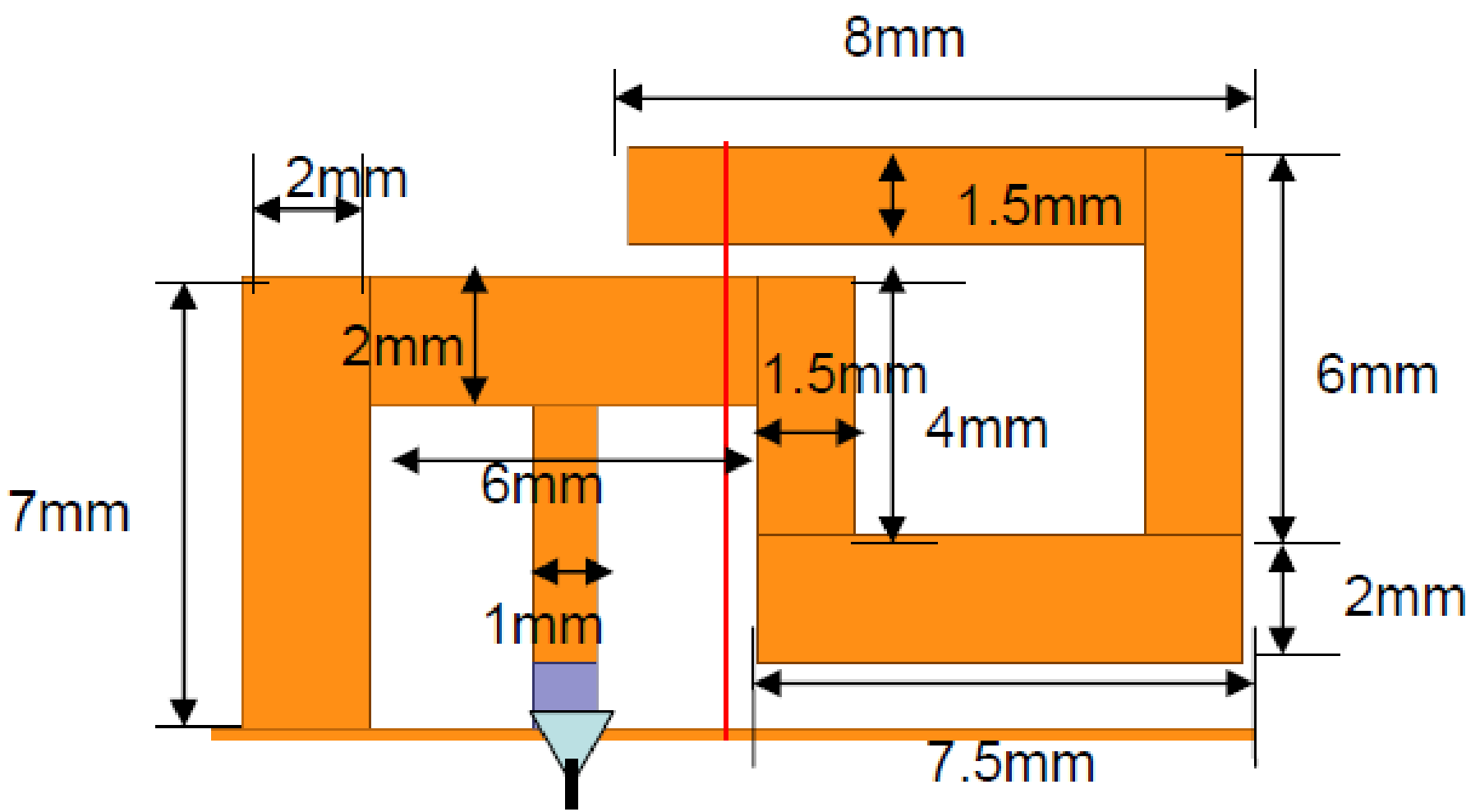


Antenna 2	Max.		
Frequency[MHz]	2400	2450	2500
Gain[dBi]	-0.55	-1.59	-1.57

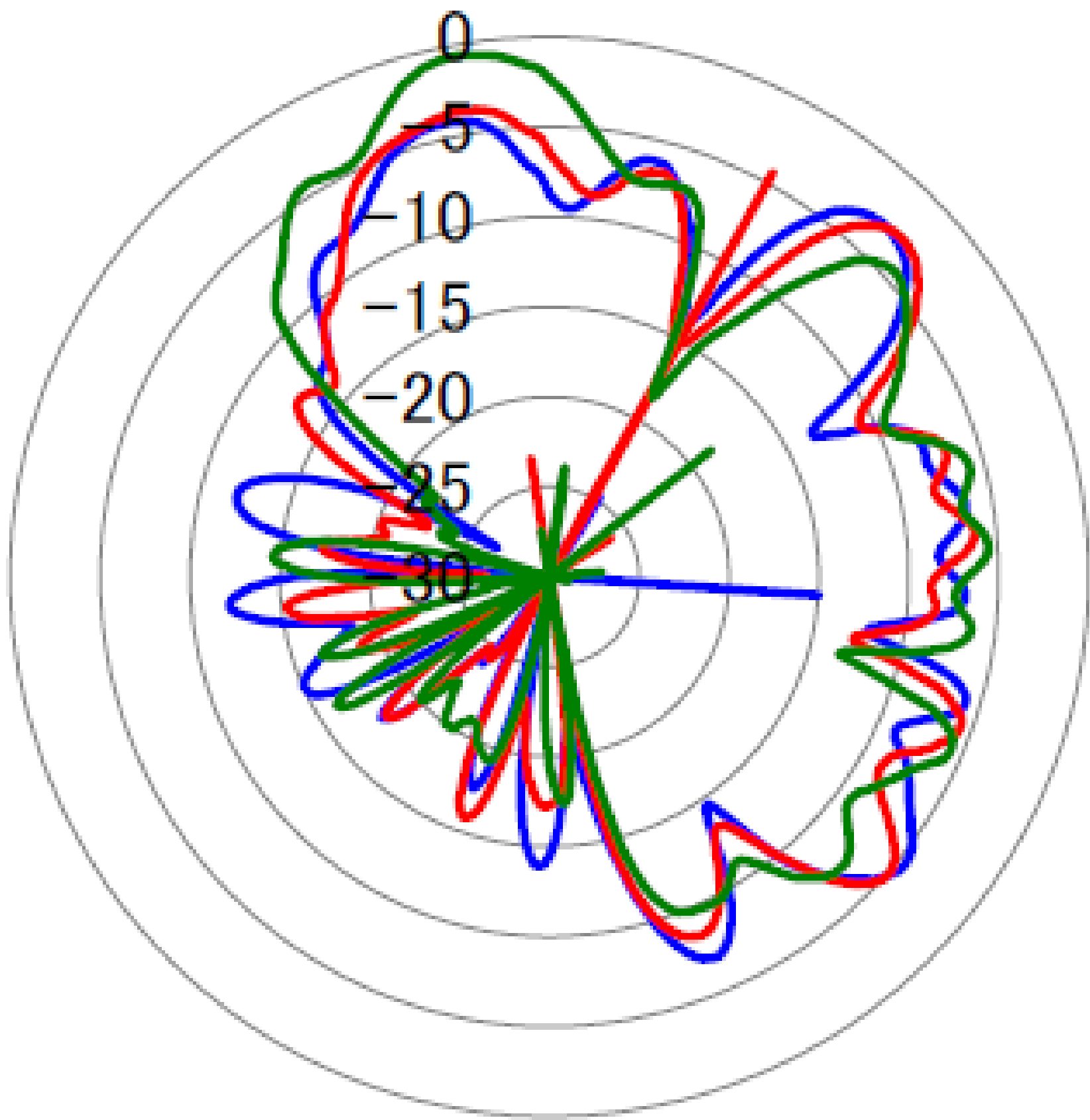
Antenna Specification (Bluetooth)

Specifications

Item	SPEC							
Antenna type	Internal antenna							
Antenna Model	N/A							
Antenna Trademark	N/A							
Antenna Manufacture	SANSEI ELECTRIC CO., Ltd.							
Center Frequency	Horizontal				Vertical			
	2400MHz	2450MHz	2500MHz		2400MHz	2450MHz	2500MHz	
	-5.13	-4.97	-2.76		-8.03	-8.37	-7.21	
MAX Gain	-2.76 dBi							
Polarization	Horizontal and Vertical							
Azimuth Beam Pattern	Omni-Directional							
Impedance	50ohm							
Antenna Length	65mm							
Manufacture	N/A							

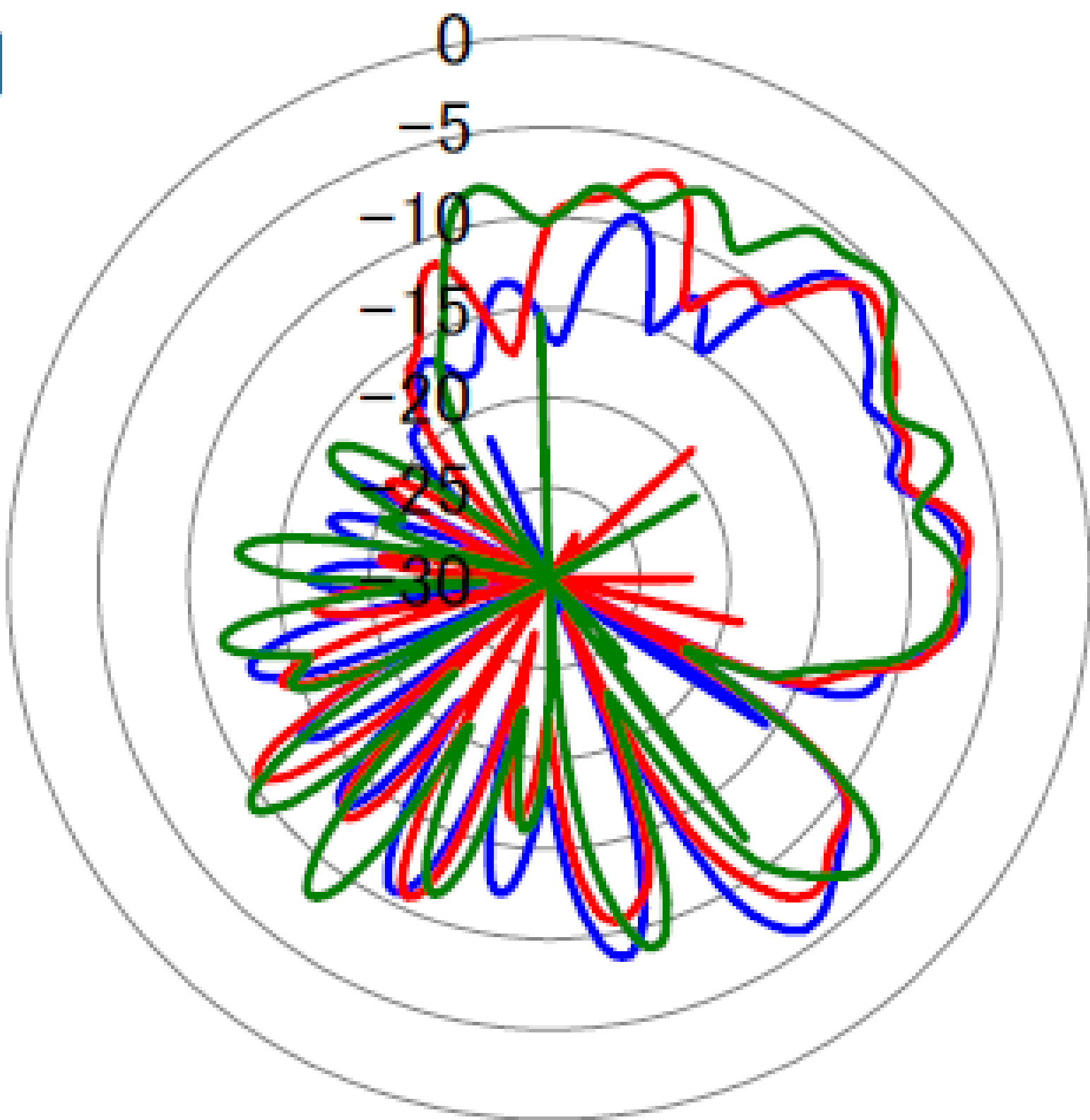


Horizontal



Antenna	Max.		
Frequency[MHz]	2400	2450	2500
Gain[dBi]	-5.13	-4.97	-2.76

Vertical



Antenna	Max.		
Frequency[MHz]	2400	2450	2500
Gain[dBi]	-8.03	-8.37	-7.21