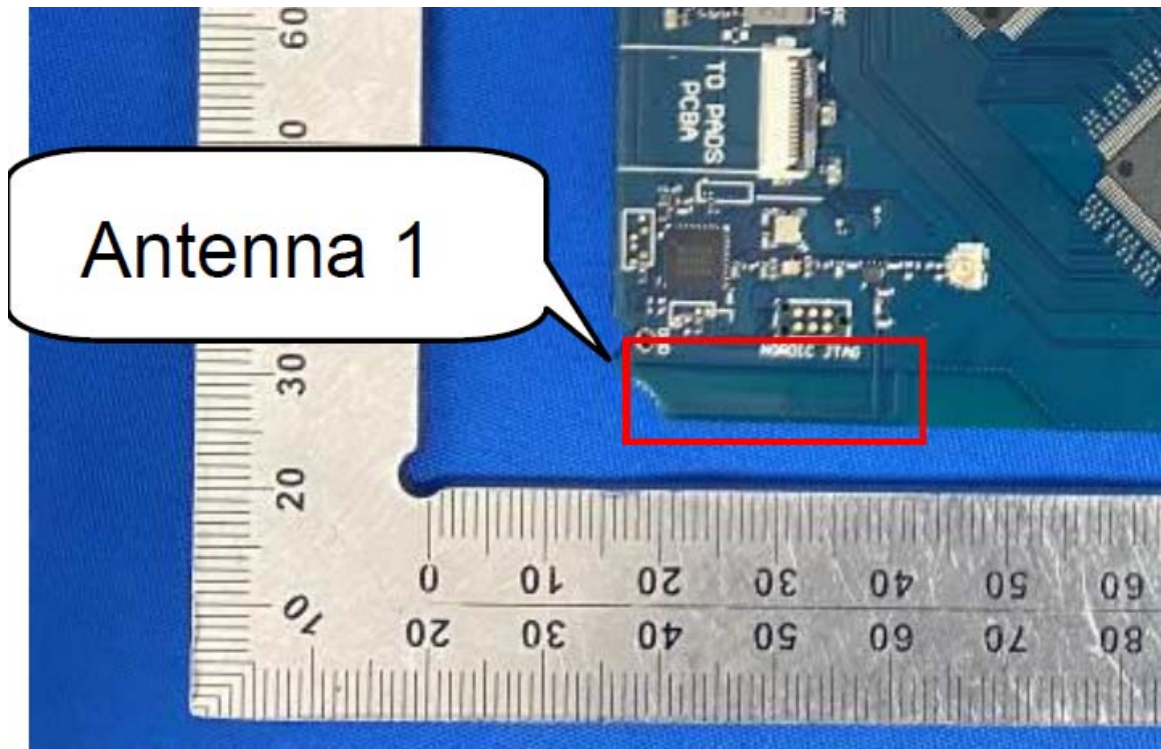


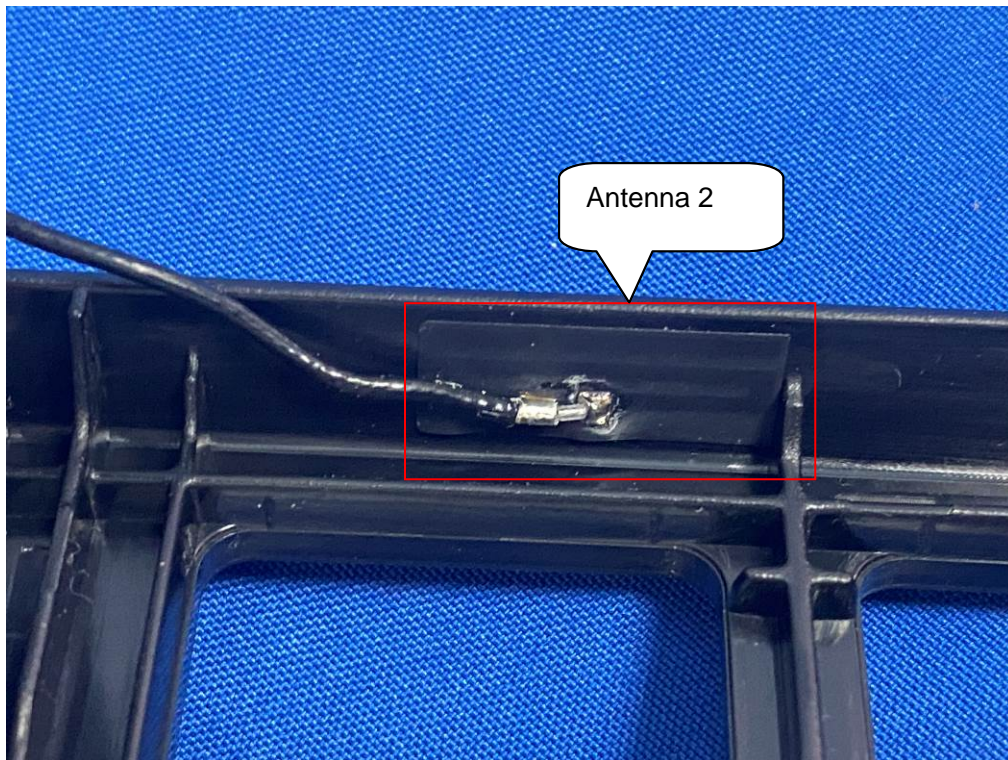
Antenna Report

Specification		
Model	STREAMER X	
Impedance	50Ω	
Test environment	Free space	
Freq. Range	2.4-2.5GHz	
Antenna type	Antenna 1: PCB Antenna Antenna 2: FPC Antenna	
VSWR	2.4-2.5GHz < 2.0	
Gain	Antenna 1: -2.85dBi(Peak gain) Antenna 2: -1.46dBi(Peak gain)	
Manufacturer	RODE	

Antenna 1 (18*9mm)



Antenna 2 (18*10mm)



Antenna 1

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Gain(dBi)
2400	-10.186	9.579	-3.024
2410	-10.393	9.133	-3.151
2420	-10.565	8.779	-3.460
2430	-10.096	9.780	-3.049
2440	-10.262	9.414	-2.849
2450	-10.799	8.317	-3.260
2460	-10.525	8.859	-2.973
2470	-10.836	8.247	-3.085
2480	-10.970	7.997	-3.090
2490	-11.231	7.531	-3.317
2500	-11.438	7.181	-3.491

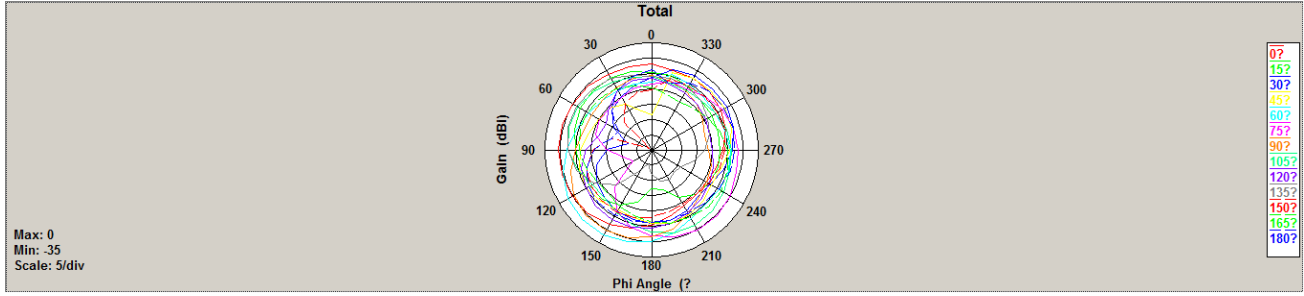
Antenna 2

Frequency(MHz)	Efficiency(dB)	Efficiency(%)	Gain(dBi)
2400	-8.816	13.133	-2.330
2410	-8.828	13.096	-2.298
2420	-9.025	12.515	-2.278
2430	-8.639	13.677	-1.725
2440	-8.443	14.311	-1.462
2450	-8.727	13.404	-1.766
2460	-8.602	13.795	-1.829
2470	-8.714	13.443	-2.089
2480	-8.582	13.860	-1.968
2490	-8.466	14.235	-1.855
2500	-8.474	14.207	-1.928

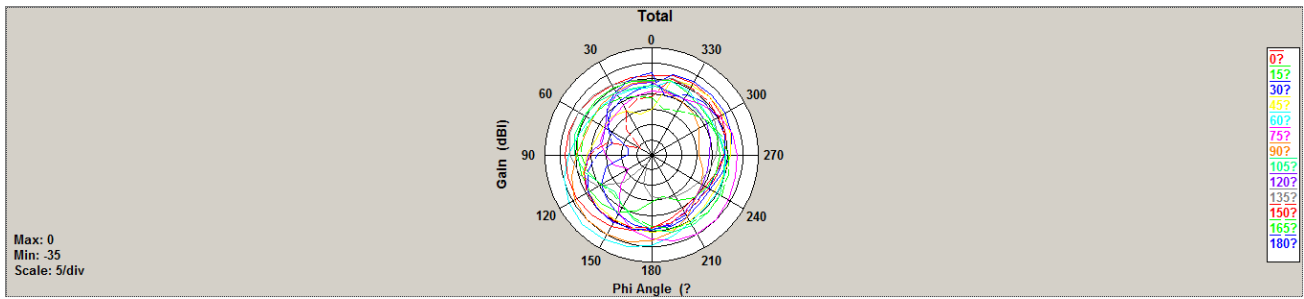
Antenna 1

2D POLAR RADIATION PATTERN

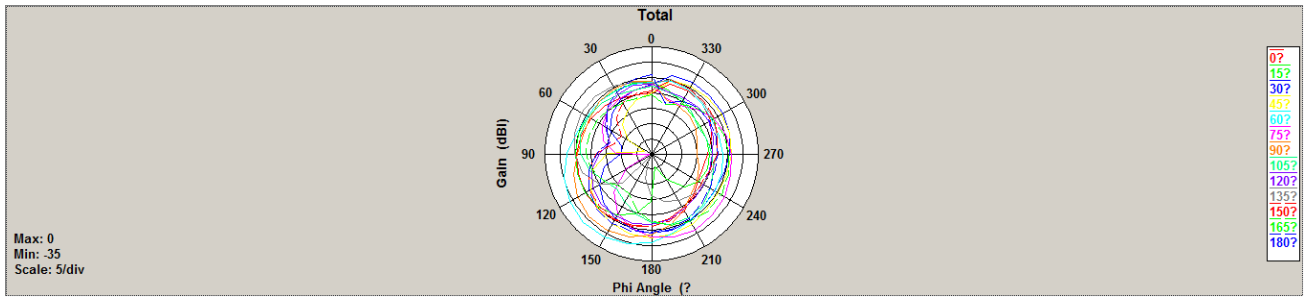
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FREQUENCY=2450MHZ



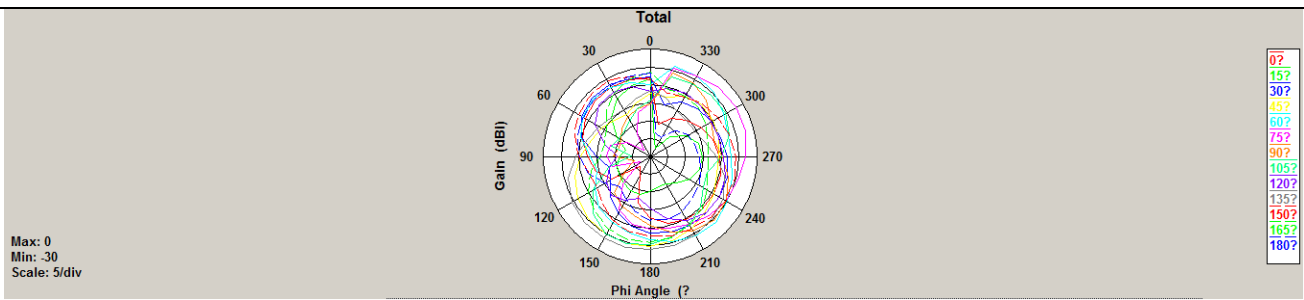
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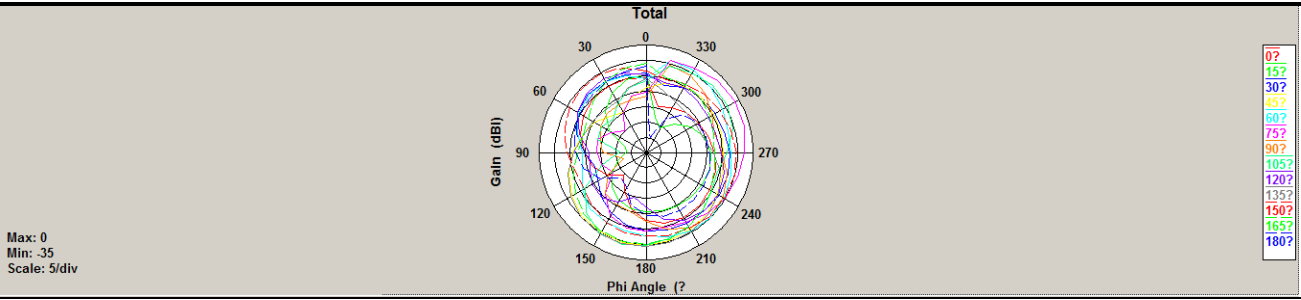
Antenna 2

2D POLAR RADIATION PATTERN

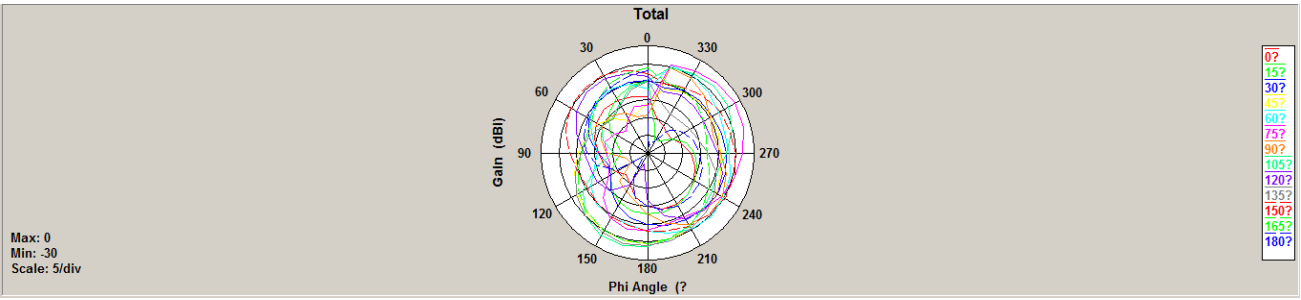
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FREQUENCY=2450MHZ



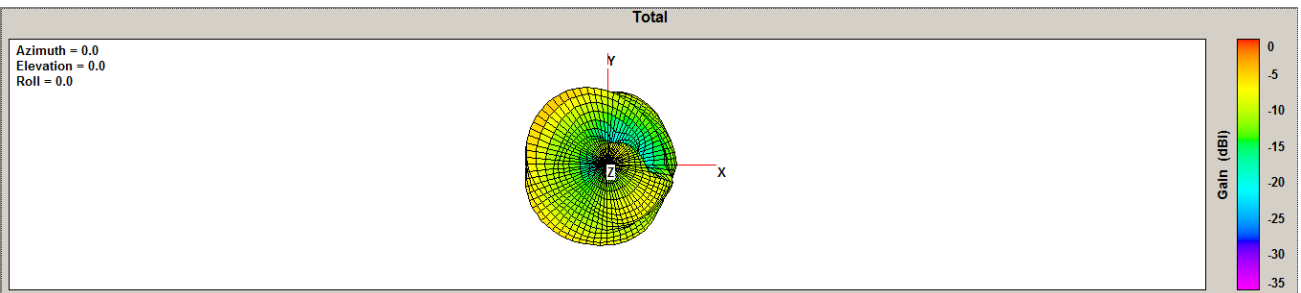
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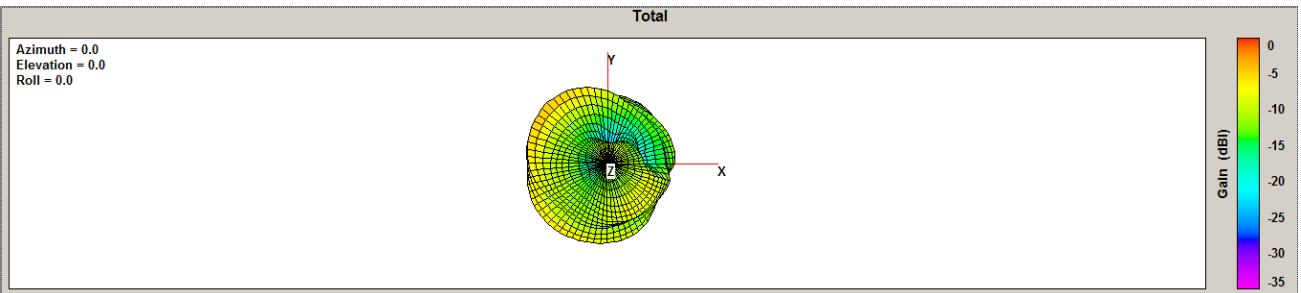
Antenna 1

3D RADIATION PATTERN

FREQUENCY=2400MHZ



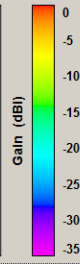
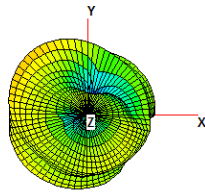
FREQUENCY=2450MHZ



FREQUENCY=2500MHZ

Total

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Roll = 0.0



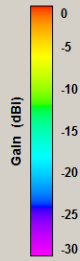
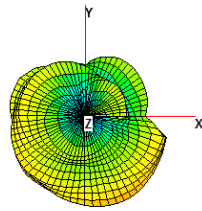
Antenna 2

3D RADIATION PATTERN

FREQUENCY=2400MHZ

Total

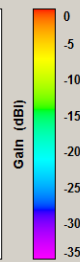
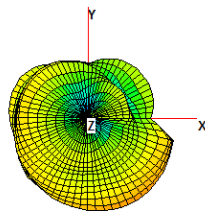
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FREQUENCY=2450MHZ

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0



FREQUENCY=2500MHZ

Total

Azimuth = 0.0
Elevation = 0.0
Roll = 0.0

