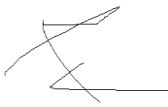
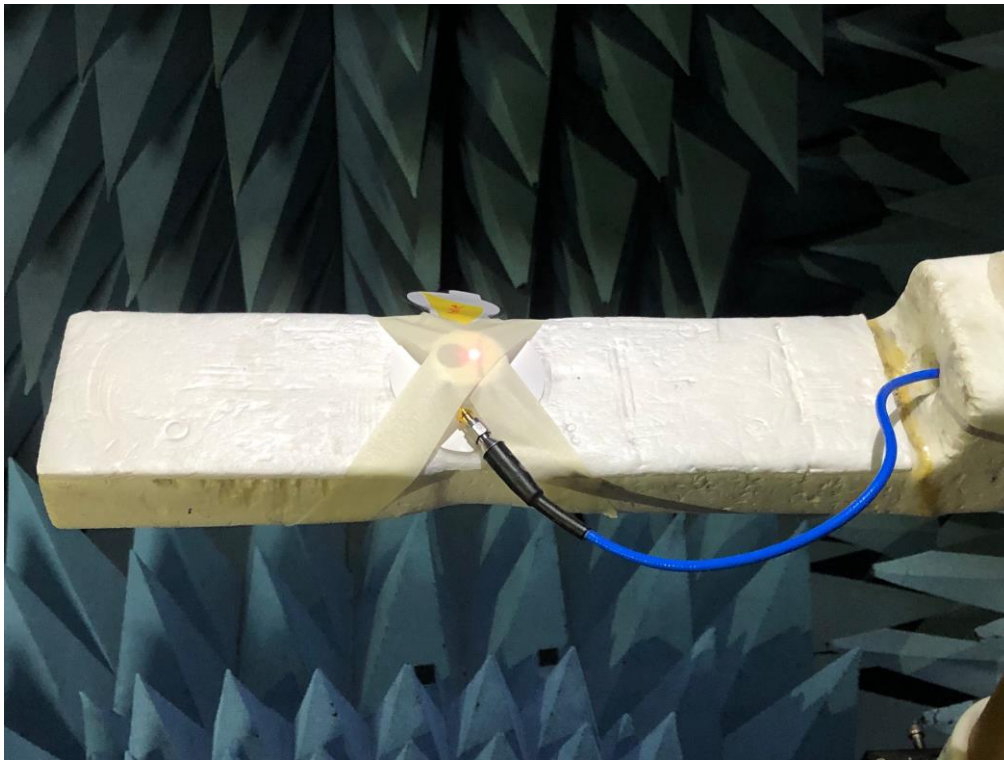
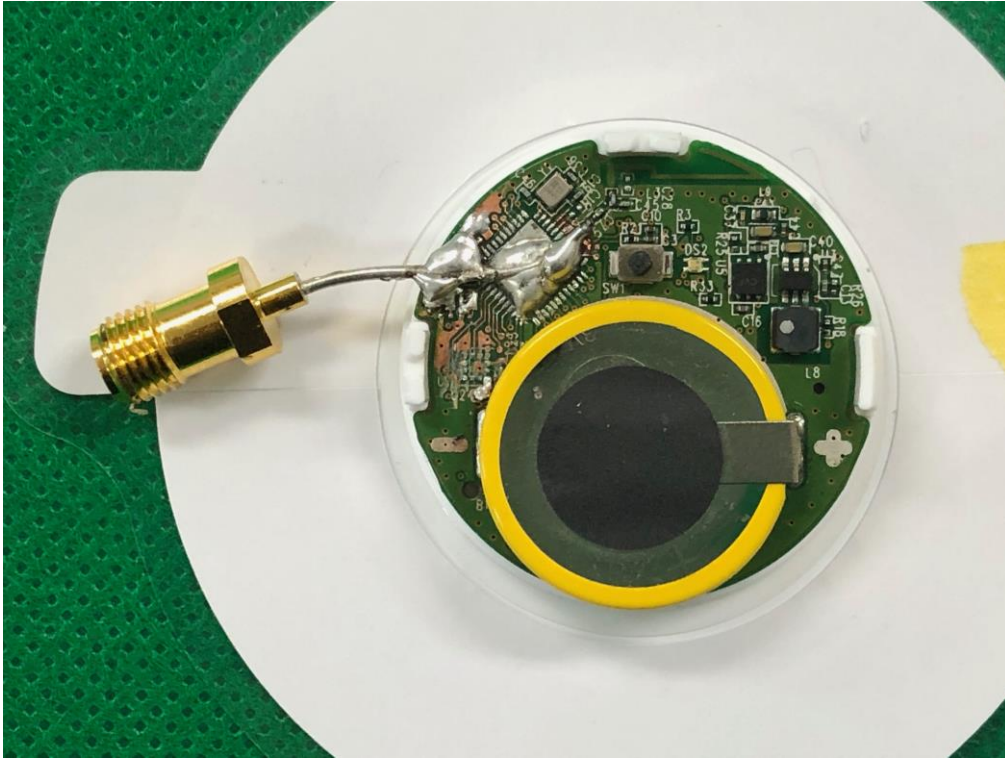


Antenna Test Data Sheet		검토		확인		승인	
							
	TELLESTAR.COM					10/23	
Antenna type	Internal Antenna	REV.	IR	Page	1 o		
Model name	SOLO S300-D	Date			2024 10 .23		
System	2.4GHz	Written by			S.H.BACK		
Electrical Specification		Frequency Range					
		2400~2485(MHz)					
Band Width		85(MHz)					
V.S.W.R (Min)		2.0:1					
Gain (Max)		0.083dBi					
Input Impedance		50 (Ω)					
Directivity		Onmi-Directivity					
Polarization		Linear					
Mechanical Specification							
Antenna Size		N/A					
Weight		N/A					
Radiator Material		CU					
Connection Type		N/A					
Operation Temperature		-30 ~ 80 (°C)					
Operation Humidity		10 ~ 80 (%)					
Option							
Others							

Set 측정 사진



ANT 사진



Normal View

Data

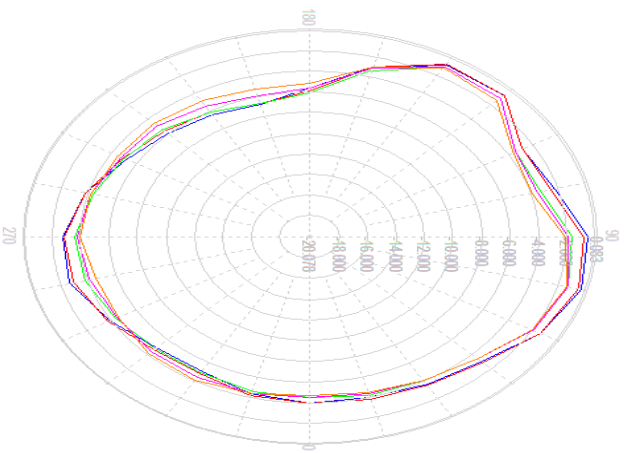
Capture

Table 1: Comparison of the proposed method with the existing methods for the different frequencies and angles.																	
Frequency	Sum			H($\phi=90^\circ$)			E1($\phi=90^\circ$)			E2($\phi=90^\circ$)							
	ϕ (Deg)	Max(dB)	Avg(dB)	Eff(%)	ϕ (Deg)	Max(dB)	Avg(dB)	Eff(%)	ϕ (Deg)	Max(dB)	Avg(dB)	Eff(%)	ϕ (Deg)	Max(dB)	Avg(dB)	Eff(%)	
2,400,000	75.0	135.0	-0.667	-3.928	40.719	75.0	-0.364	-3.083	132.42	90.0	-0.539	-4.273	75.85	-60.0	-1.791	-5.354	63.56
2,420,000	75.0	135.0	0.083	-3.717	42.944	75.0	-0.498	-3.074	140.13	105.0	-0.637	-4.274	76.21	-60.0	-1.491	-5.033	60.34
2,440,000	75.0	135.0	-0.547	-4.137	38.577	135.0	-1.072	-3.563	145.88	105.0	-1.168	-4.948	74.44	-60.0	-1.783	-5.305	56.69
2,460,000	75.0	135.0	-0.812	-4.124	38.692	135.0	-1.030	-3.465	144.65	105.0	-1.093	-5.148	71.95	-60.0	-2.122	-5.256	56.86
2,480,000	105.0	90.0	-1.046	-4.332	36.894	150.0	-1.178	-3.517	148.12	105.0	-1.046	-5.495	66.54	60.0	-2.243	-5.431	60.45

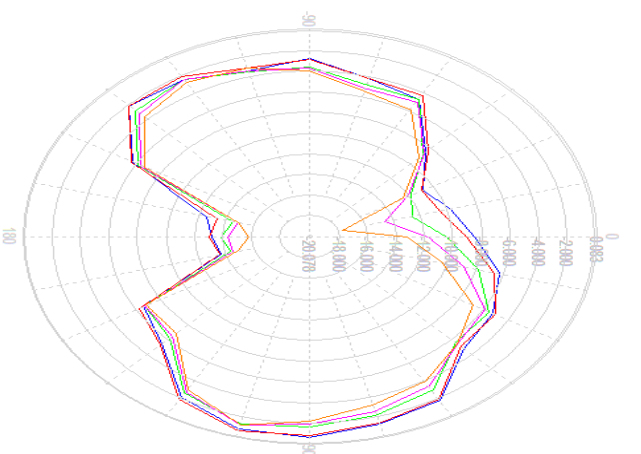
Multiple Cut

H/E1/E2Plane

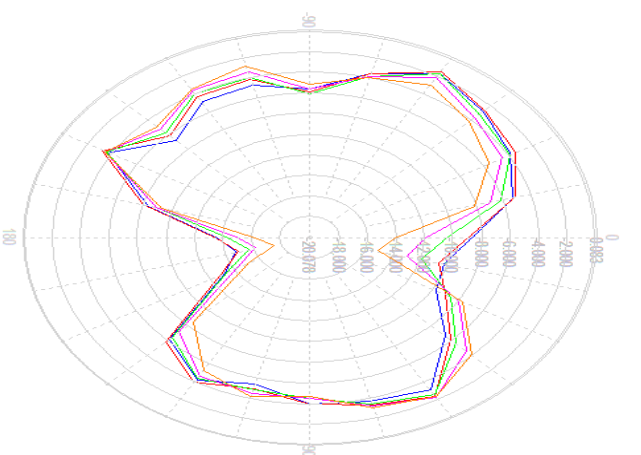
H Plane PolarLine Chart



E1 Plane PolarLine Chart



E2 Plane PolarLine Chart



ANTENNA GAIN