



APPROVAL SHEET

Customer	(주)빅솔론
제조사	(주)아이디로
품 명	Near Field Antenna
모델명	BIP-1
CODE NO.	KF04-00096A

September 8th, 2020

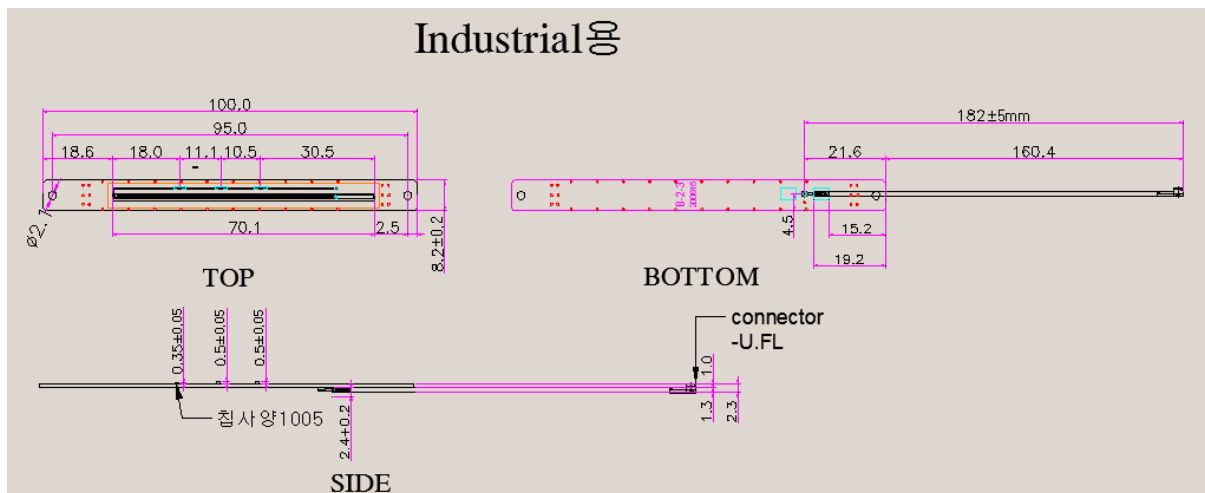
Customer Approval		
담당자	검토자	승인자

Provider Approval		
담당자	검토자	승인자
		
Oct.26.2020	Oct.26.2020	Oct.26.2020

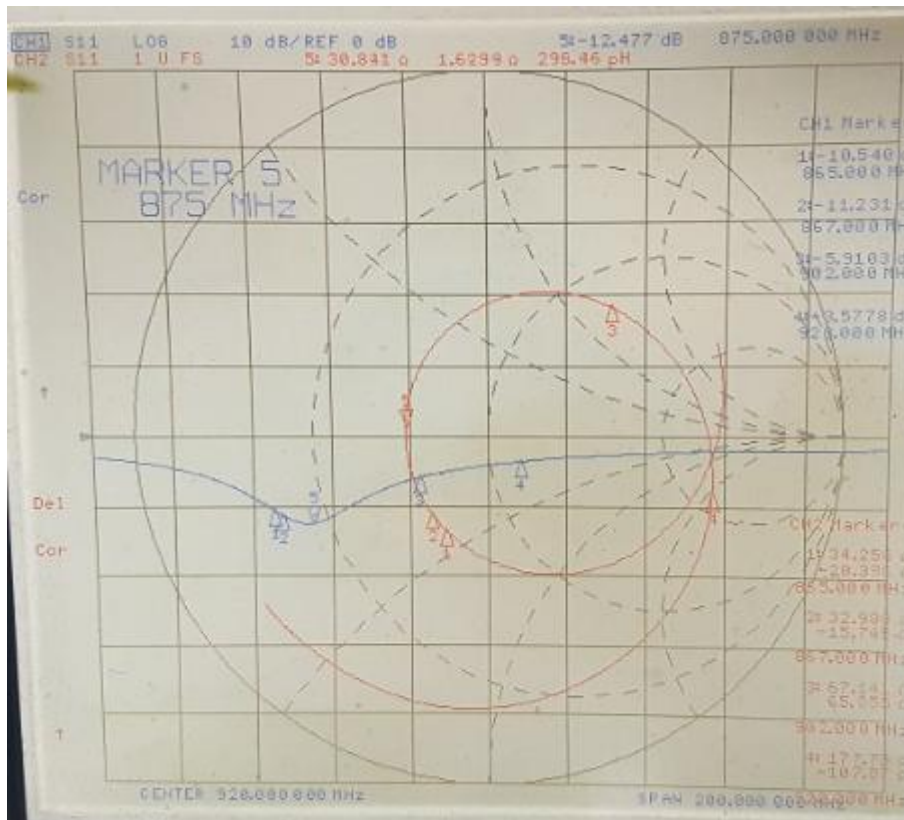
Electrical Specifications

NO.	Parameter	Spec.	Unit	Remark
1	Frequency	860-928	MHz	
2	Band Width	68 typ.	MHz	
3	VSWR	1.7 : 1 max.	Ratio	
4	Impedance	50	Ohms	
5	Avg Gain	-14.72 typ.	dBi	875 MHz 기준
6	Polarization	LINEAR		

Mechanical Dimensions. (unit : mm)



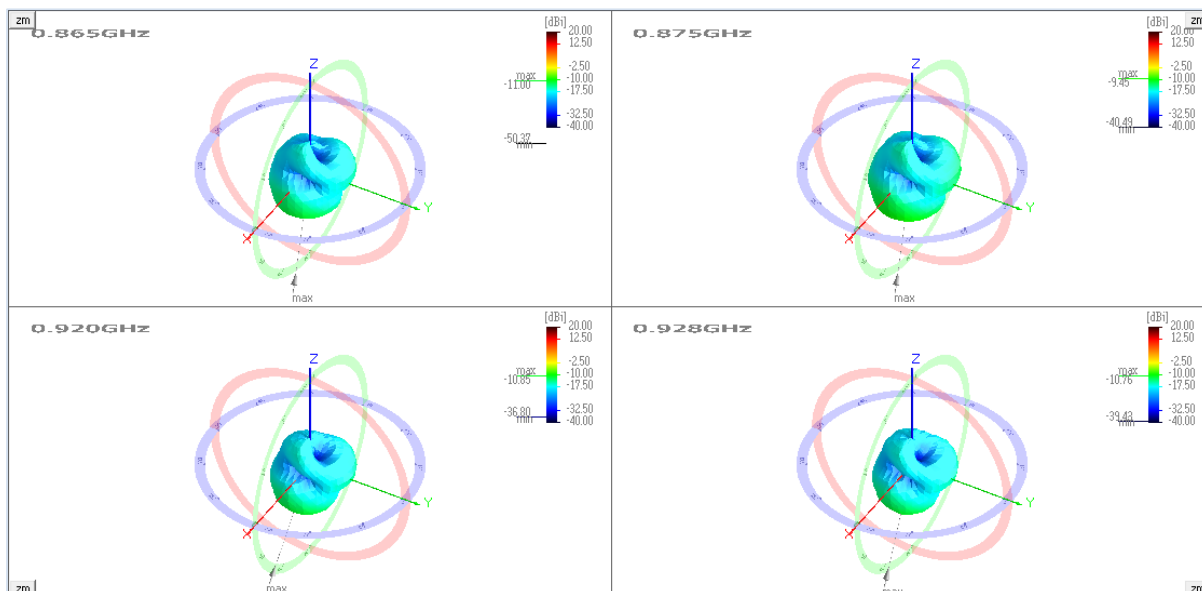
S-Paramater DATA(R/L)



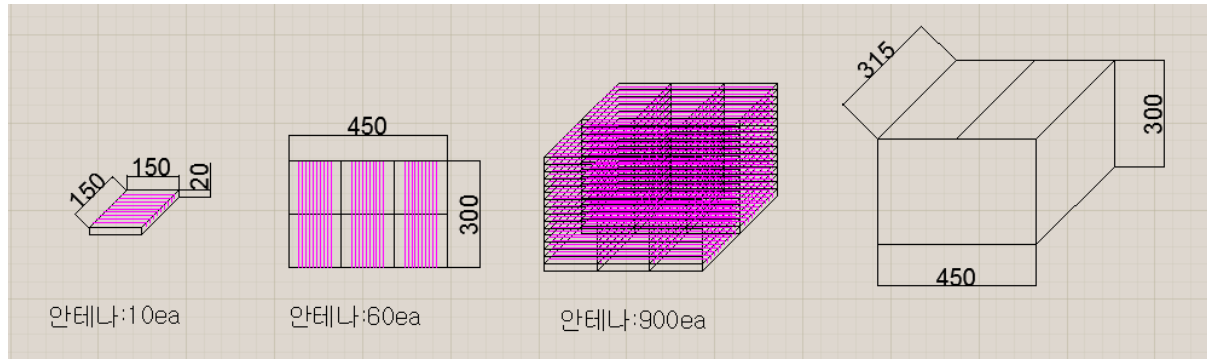
Antenna Gain data Sheet

Source Antenna Polarization	Avg Gain					
	865.0MHz	868.0 MHz	875.0 MHz	902.0 MHz	920.0 MHz	928.0MHz
H-pol. (dBi)	-16.27	-15.90	-14.72	-16.16	-16.79	-16.96

No	Freq.[GHz]	θ-Pol(H)	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]	φ-Pol(V)	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]	PwrSum	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]
1	0.865	2.36	-16.27	-11.00	130.00	20.00	1.10	-19.59	-14.00	100.00	250.00	3.46	-14.61	-10.28	130.00	0.00			
2	0.867	2.48	-16.06	-10.78	130.00	20.00	1.15	-19.40	-13.93	100.00	250.00	3.62	-14.41	-10.04	130.00	0.00			
3	0.868	2.57	-15.90	-10.68	130.00	20.00	1.19	-19.26	-13.84	100.00	250.00	3.76	-14.25	-9.90	130.00	10.00			
4	0.875	3.37	-14.72	-9.45	130.00	20.00	1.58	-18.00	-12.53	100.00	250.00	4.96	-13.05	-8.51	130.00	0.00			
5	0.902	2.42	-16.16	-10.33	130.00	0.00	1.22	-19.13	-13.30	100.00	260.00	3.65	-14.38	-9.39	130.00	0.00			
6	0.904	2.50	-16.03	-10.26	130.00	0.00	1.25	-19.03	-13.15	100.00	260.00	3.75	-14.26	-9.32	130.00	0.00			
7	0.906	2.49	-16.05	-10.29	130.00	0.00	1.24	-19.08	-13.37	100.00	250.00	3.72	-14.29	-9.35	130.00	0.00			
8	0.908	2.29	-16.39	-10.70	130.00	0.00	1.14	-19.44	-13.70	100.00	250.00	3.43	-14.65	-9.77	130.00	0.00			
9	0.910	2.06	-16.87	-11.19	130.00	0.00	1.02	-19.89	-14.13	100.00	250.00	3.08	-15.11	-10.27	130.00	0.00			
10	0.912	1.93	-17.15	-11.45	130.00	0.00	0.97	-20.15	-14.47	100.00	250.00	2.89	-15.38	-10.50	130.00	0.00			
11	0.914	1.95	-17.09	-11.37	140.00	350.00	0.98	-20.07	-14.46	100.00	250.00	2.94	-15.32	-10.44	130.00	0.00			
12	0.916	2.07	-16.84	-11.12	140.00	350.00	1.04	-19.81	-14.14	80.00	250.00	3.11	-15.07	-10.20	130.00	0.00			
13	0.918	2.15	-16.69	-10.94	140.00	350.00	1.09	-19.64	-13.94	90.00	250.00	3.23	-14.91	-10.12	130.00	0.00			
14	0.920	2.09	-16.79	-10.85	140.00	0.00	1.06	-19.73	-14.06	90.00	250.00	3.16	-15.01	-10.11	140.00	0.00			
15	0.922	2.01	-16.96	-10.88	140.00	10.00	1.03	-19.87	-14.02	90.00	250.00	3.04	-15.17	-10.23	140.00	10.00			
16	0.924	2.01	-16.97	-10.85	140.00	10.00	1.03	-19.87	-14.09	100.00	250.00	3.04	-15.17	-10.22	140.00	10.00			
17	0.926	2.04	-16.89	-10.86	140.00	10.00	1.05	-19.79	-14.09	90.00	250.00	3.09	-15.09	-10.23	140.00	10.00			
18	0.928	2.01	-16.96	-10.76	140.00	10.00	1.04	-19.85	-14.19	90.00	250.00	3.05	-15.16	-10.17	140.00	10.00			



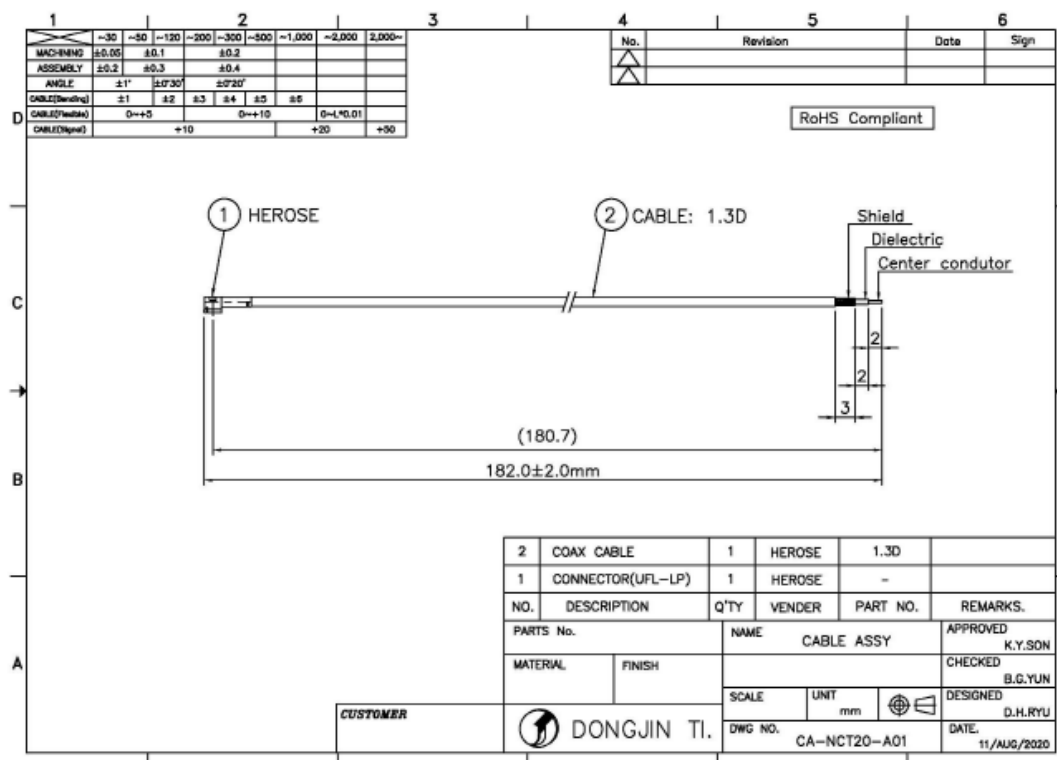
package



Antenna PCB사양

재료 및 층수: FR4 (2LAYER)
Dimension(100(L)*8.2(W)*1.0(T)mm)

RF 케이블 도면



라벨 스티커 정보

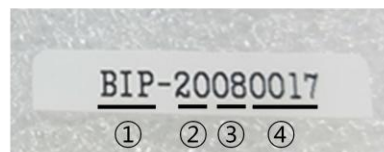
재 질 : 유포지

크 기 : 30mm(가로) x 5mm(세로)

안테나 스티커 부착 모습



시리얼 번호 정보



- ① : 모델명
- ② : 생산 년도
- ③ : 생산 월
- ④ : 일련번호