



APPROVAL SHEET

Customer	(주)빅솔론
제조사	(주)아이디로
품명	Near Field Antenna
모델명	BDP-1
CODE NO.	KF04-00097A

September 8th, 2020

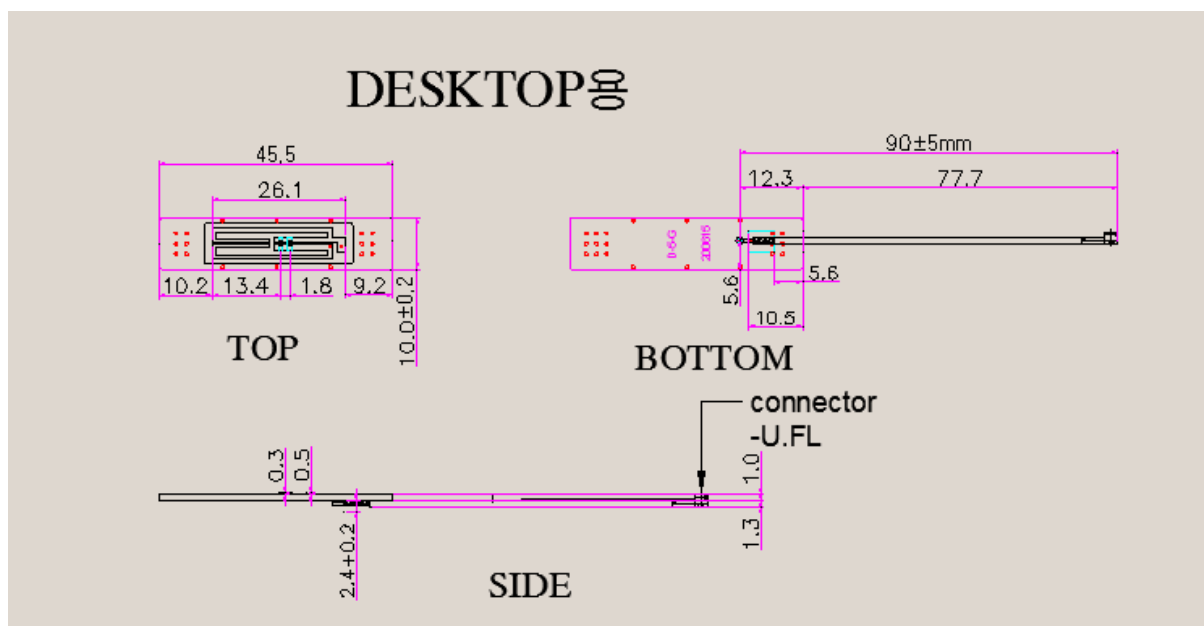
Customer Approval		
담당자	검토자	승인자

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

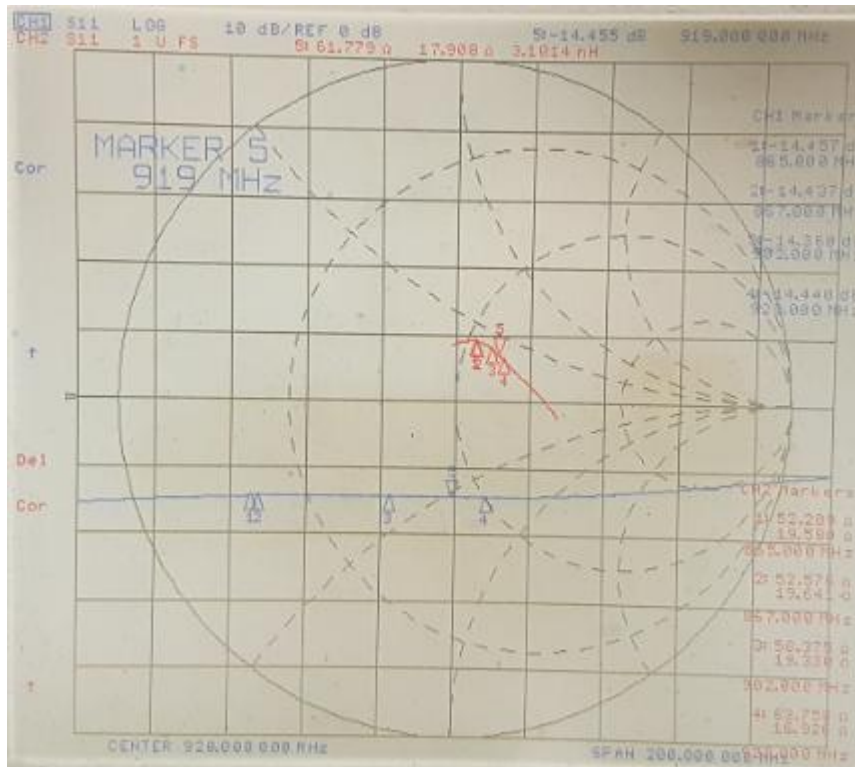
Electrical Specifications

NO.	Parameter	Spec.	Unit	Remark
1	Center Frequency	920.0	MHz	
2	Band Width	68 typ.	MHz	
3	VSWR	1.7 : 1 max.	Ratio	
4	Impedance	50	Ohms	
5	Avg Gain	-44.71 typ.	dBi	
6	Polarization	LINEAR		

Mechanical Dimensions. (unit : mm)



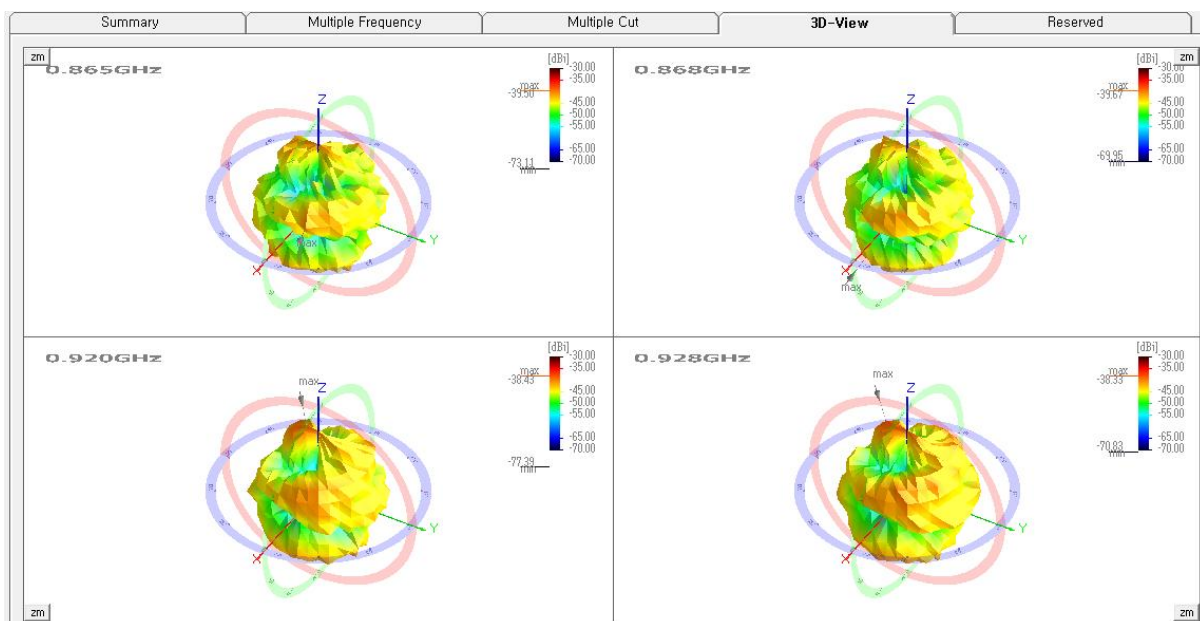
S-Paramater DATA(R/L)



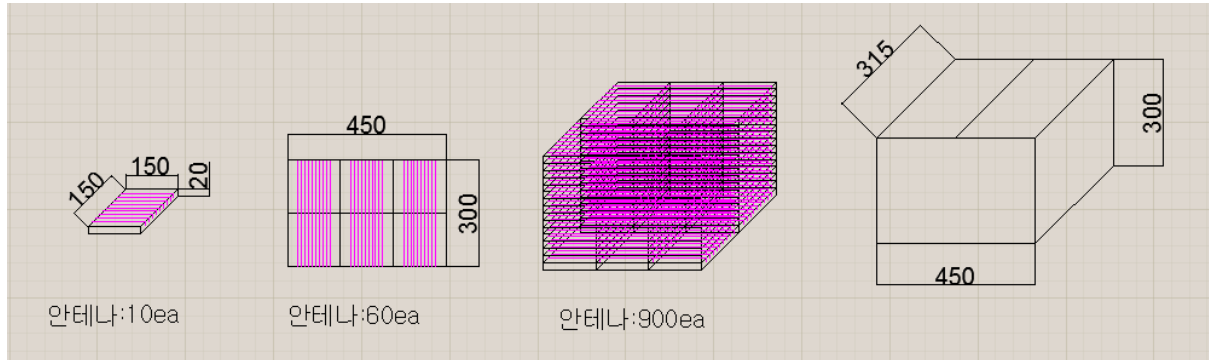
Antenna Gain data Sheet

Source Antenna Polarization	Avg Gain				
	865.0 MHz	868.0 MHz	902.0 MHz	920.0 MHz	928.0MHz
H-pol. (dBi)	-39.50	-39.67	-39.86	-44.71	-44.12

		θ-Pol(H)					φ-Pol(V)					PwrSum				
No	Freq.[GHz]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]	Eff.[%]	Avg.[dBi]	Peak[dBi]	θ[deg]	φ[deg]
1	0.865	0.00	-45.84	-39.50	70.00	20.00	0.00	-47.28	-39.52	40.00	220.00	0.00	-43.49	-38.82	70.00	20.00
2	0.867	0.00	-45.65	-39.67	140.00	290.00	0.00	-47.35	-38.68	30.00	220.00	0.00	-43.41	-38.29	30.00	220.00
3	0.868	0.00	-45.68	-39.67	150.00	300.00	0.00	-47.15	-39.64	0.00	30.00	0.00	-43.35	-39.38	150.00	300.00
4	0.902	0.00	-45.92	-39.86	60.00	30.00	0.00	-48.20	-39.26	10.00	210.00	0.00	-43.90	-38.47	10.00	210.00
5	0.904	0.00	-45.57	-39.91	0.00	120.00	0.00	-48.30	-39.36	0.00	210.00	0.00	-43.71	-38.98	0.00	250.00
6	0.906	0.00	-45.13	-39.00	10.00	270.00	0.00	-48.05	-38.94	0.00	210.00	0.00	-43.34	-38.08	0.00	210.00
7	0.908	0.00	-44.96	-38.71	20.00	270.00	0.00	-47.69	-38.34	0.00	200.00	0.00	-43.10	-37.79	0.00	240.00
8	0.910	0.00	-44.97	-39.01	10.00	280.00	0.00	-47.70	-37.90	10.00	190.00	0.00	-43.12	-37.35	0.00	230.00
9	0.912	0.00	-44.86	-39.27	10.00	270.00	0.00	-47.71	-38.13	20.00	210.00	0.00	-43.05	-37.27	20.00	210.00
10	0.914	0.00	-44.92	-39.22	20.00	280.00	0.00	-47.76	-37.75	10.00	200.00	0.00	-43.10	-37.30	10.00	200.00
11	0.916	0.00	-44.70	-39.68	50.00	40.00	0.00	-47.73	-37.76	20.00	190.00	0.01	-42.94	-37.41	20.00	190.00
12	0.918	0.00	-44.69	-38.96	10.00	260.00	0.00	-47.73	-37.97	10.00	170.00	0.01	-42.94	-37.79	10.00	160.00
13	0.920	0.00	-44.71	-38.43	10.00	270.00	0.00	-47.57	-37.69	10.00	190.00	0.01	-42.90	-37.58	10.00	220.00
14	0.922	0.00	-44.55	-38.28	10.00	260.00	0.00	-47.48	-37.87	10.00	160.00	0.01	-42.76	-37.46	20.00	210.00
15	0.924	0.00	-44.24	-38.81	0.00	80.00	0.00	-47.39	-37.45	0.00	190.00	0.01	-42.52	-37.30	0.00	190.00
16	0.926	0.00	-44.11	-37.76	10.00	280.00	0.00	-47.38	-37.39	20.00	190.00	0.01	-42.43	-36.94	10.00	220.00
17	0.928	0.00	-44.12	-38.33	20.00	260.00	0.00	-47.29	-37.36	0.00	170.00	0.01	-42.41	-37.00	0.00	210.00



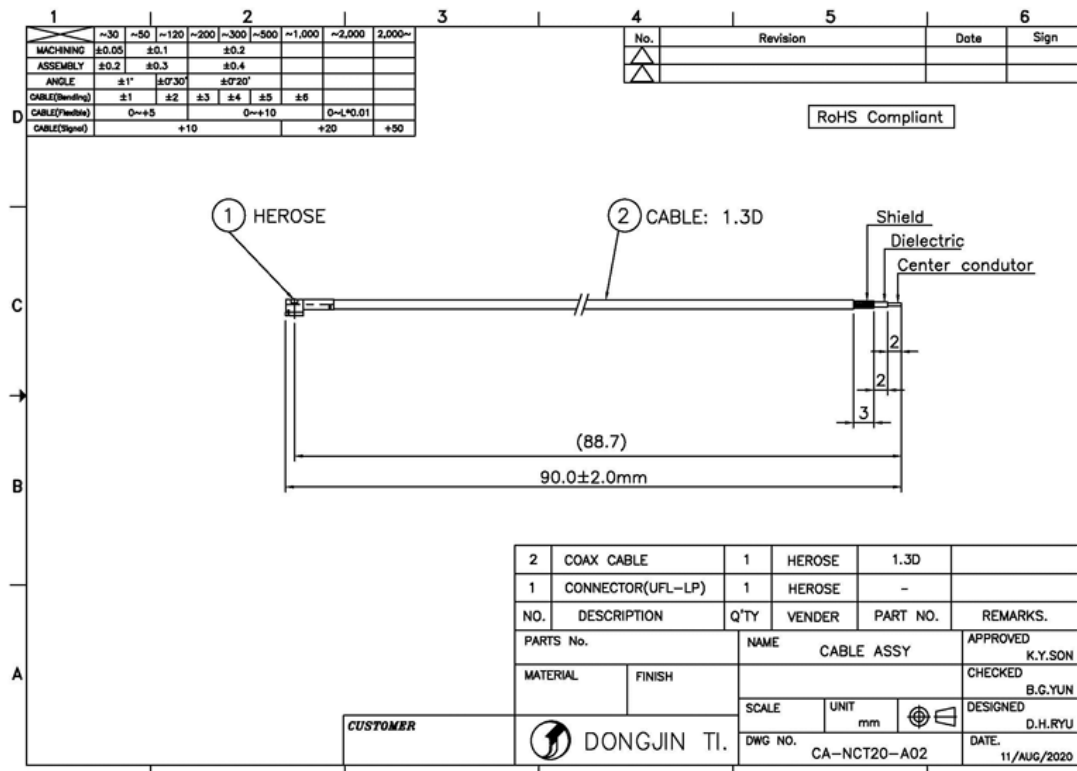
package



Antenna PCB사양

재료 및 층수:FR4 (2LAYER)
Dimension(45.5(L)*10(W)*1.0(T) mm)

RF 케이블 도면

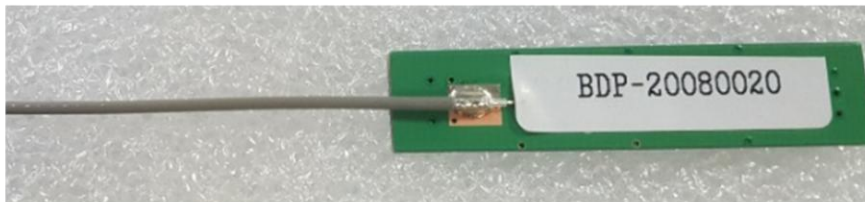


라벨 스티커 정보

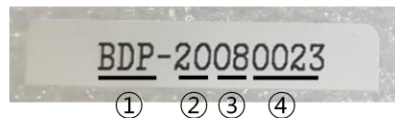
재 질 : 유포지

크 기 : 30mm(가로) x 5mm(세로)

안테나 스티커 부착 모습



시리얼 번호 정보



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