

www.tactron.de



Antenna Front End Solutions for Mobile & Wearable Device





FRC (FPCB RF Cable)



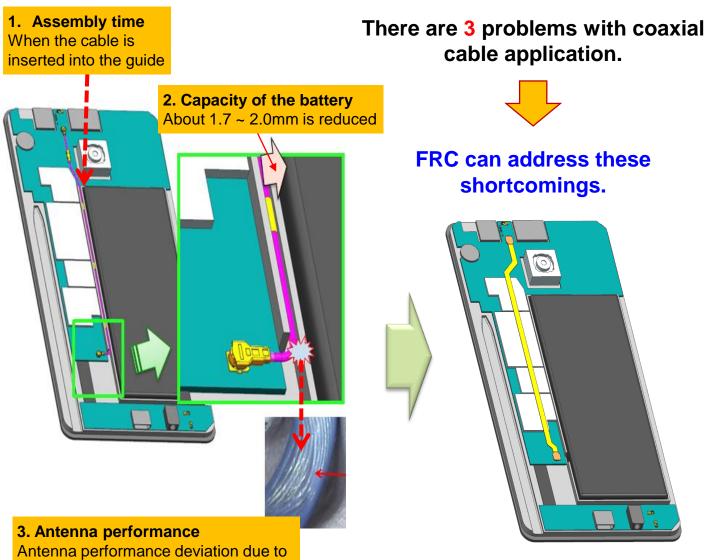
0.25mm

0.64mm

- Flat RF transmission line made of FPCB that can fully replace conventional micro coaxial cable
- Better solution for slim mobile device and wearable device due to its design flexibility



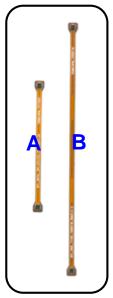
Superior to Coaxial Cable

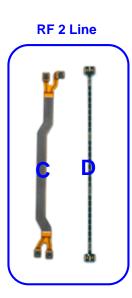


Spec.	&	Features
-------	---	-----------------

Insertion Loss (dB)													
Туре	Length	Thickness	Width	Layer	0.5GHz	1GHz	2GHz	2.5GHz	3GHz	3.5GHz	4GHz	5GHz	6GHz
Α	50mm	0.28	2.0	3	-0.24	-0.40	-0.60	-0.73	-0.93	-1.18	-1.22	-1.24	-1.33
В	100mm	0.28	2.0	3	-0.37	-0.58	-0.94	-1.07	-1.20	-1.49	-1.85	-1.97	-2.33
С	80mm	0.25	4.0	4	-0.31	-0.53	-0.83	-0.96	-1.04	-1.22	-1.45	-1.55	-1.61
D	80mm	0.60	1.2	5	-0.20	-0.30	-0.47	-0.51	-0.55	-0.64	-0.68	-0.84	-0.93
Ε	150mm	0.75	54.5	8	-0.56	-0.85	-1.27	-1.48	-1.58	-1.82	-2.00	-2.37	-2.72

RF 1 Line







Solution for next generation mobile device



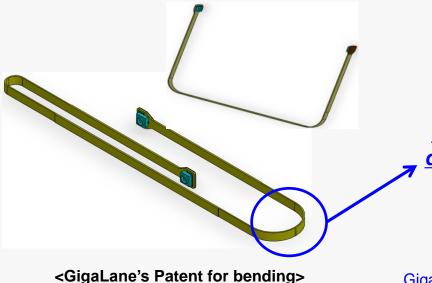
<Foldable smartphone>

<Bendable smartphone>

Coaxial cable is vulnerable to bending.



GigaLane's FRC provides durable solution with minimizing signal loss.



400K times of bending durability is guaranteed

GigaLane holds patents in this category.

Solution for Bezel - less device



< Zero Bezel Note-PC >

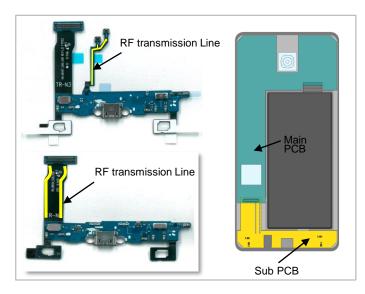
Overcoming space limitation.

GigaLane's FRC provides hybrid solution with minimizing signal loss.

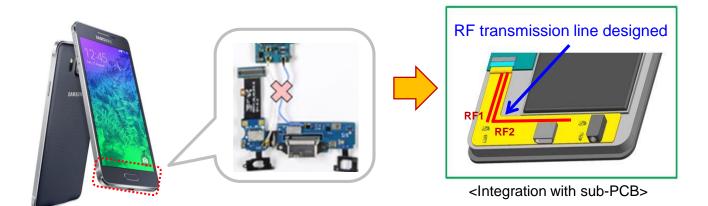
Image: Contract of the second seco

FRC

Integration of sub-PCB and RF transmission Line



- Integrated front-end solution from Main-PCB to Sub-PCB
- Applied RF transmission line inside of PCB(Sub-PCB)
- Securing margin of space inside of mobile device
- Minimizing signal loss with Optimized PCB Design



Ihr Kontakt für PLZ 8 in Deutschland sowie

Europa

TACTRON ELEKTRONIK GmbH & Co. KG Bunsenstr. 5/II 82152 Martinsried

Tel: +49 (0)89/895 569-0 Fax: +49 (0)89/895 569-29

Email: info@tactron.de

lhr Kontakt für PLZ 0-7 und 9 in Deutschland

TACTRON ELEKTRONIK GmbH & Co. KG Hirschgasse 6 71549 Auenwald

Tel: +49 (0)7191/3540-0 Fax: +49 (0)7191/3540-15

Email: auenwald@tactron.de



www.tactron.de



www.gigalane.com