Antenna Type: PCB Antenna

Antenna Manufacture: Soundlab Technology Company Limited Address:No.101, 202, Building 1, Microlab Industrial Park, No.2 Baozi South Road, Kengzi, Pingshan District, Shenzhen, Guang dong,P.R. China

Antenna Model Number:PCB Antenna

Antenna Layout & module on the system board



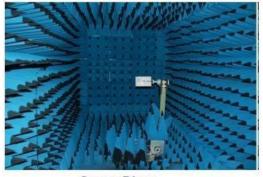
1. Testing Environment

a. Test System

chamber



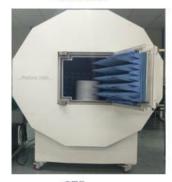
Satimo



Guang Ping



Airlink



GTS

b. Test Instrument

equipment







TECON.







2. Passive test data

Passive Efficiency & Gain

frequency	efficiency	efficiency	Gain
(MHz)	(%)	(dB)	(dB)
2400	39. 21	-4. 07	1. 22
2410	36. 37	-4. 39	1.43
2420	35. 67	-4. 48	0.17
2430	35. 60	-4.49	0.37
2440	37. 38	-4 . 27	1.00
2450	38. 57	-4. 14	0.99
2460	36. 89	-4. 33	0.98
2470	35. 57	-4. 49	0.30
2480	37. 02	-4. 32	0.39
AVG	36. 9	-4. 33	0.85

3. Active test data

a. TRP&TIS

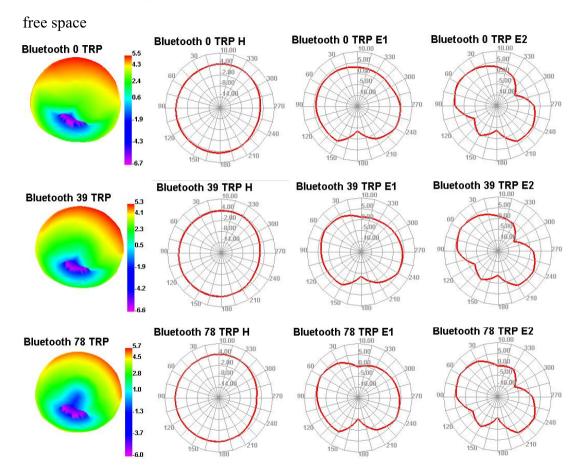
free space

Channel	TRP	TIS
CH	(dBm)	(dBm
0	5. 28	-90.51
39	4.92	-90.11
78	5.05	-90.54

The head ear

Channel	TRP	TIS
CH	(dBm)	(dBm
0	-2.38	-84.72
39	-2.35	-84.91
78	-2.01	-85.53

b. Directivity Diagram



The head ear

