



Applications:

- Ⓢ Performance across the BT frequency bands
- Ⓢ BT Radios
- Ⓢ Navigation function
- Ⓢ Smart band for health monitor

Electrical specifications @ 25° C – Operating Temperatures – 20°C to +65°C

Frequency Bands – 2400-2485MHZ

Antenna type	Nominal Impedance	Return Loss	Radiation pattern	Polarization	Power withstanding
Pifa	50Ω	N/A	Omni	Linear	3W

Frequency	2400-2485MHZ
VSWR	2:1
Efficiency	7.8%

Mechanical Specifications

Orderable PN: SZ2871B

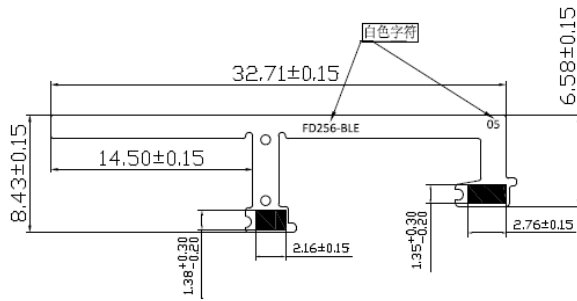
Size – (Length x Wide x high)	Color	Weight	Connector Type
32.71x8.43x0.13mm	Green	0.4g	None

Notes:

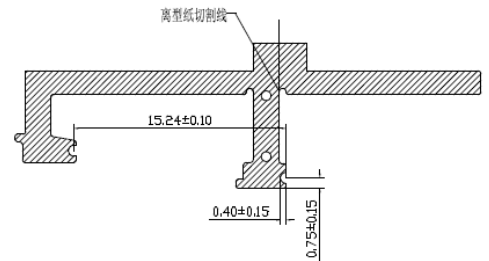
1. Storage Temperature: -40°C to 80°C

SZ2871B

Mechanical



正面油墨面



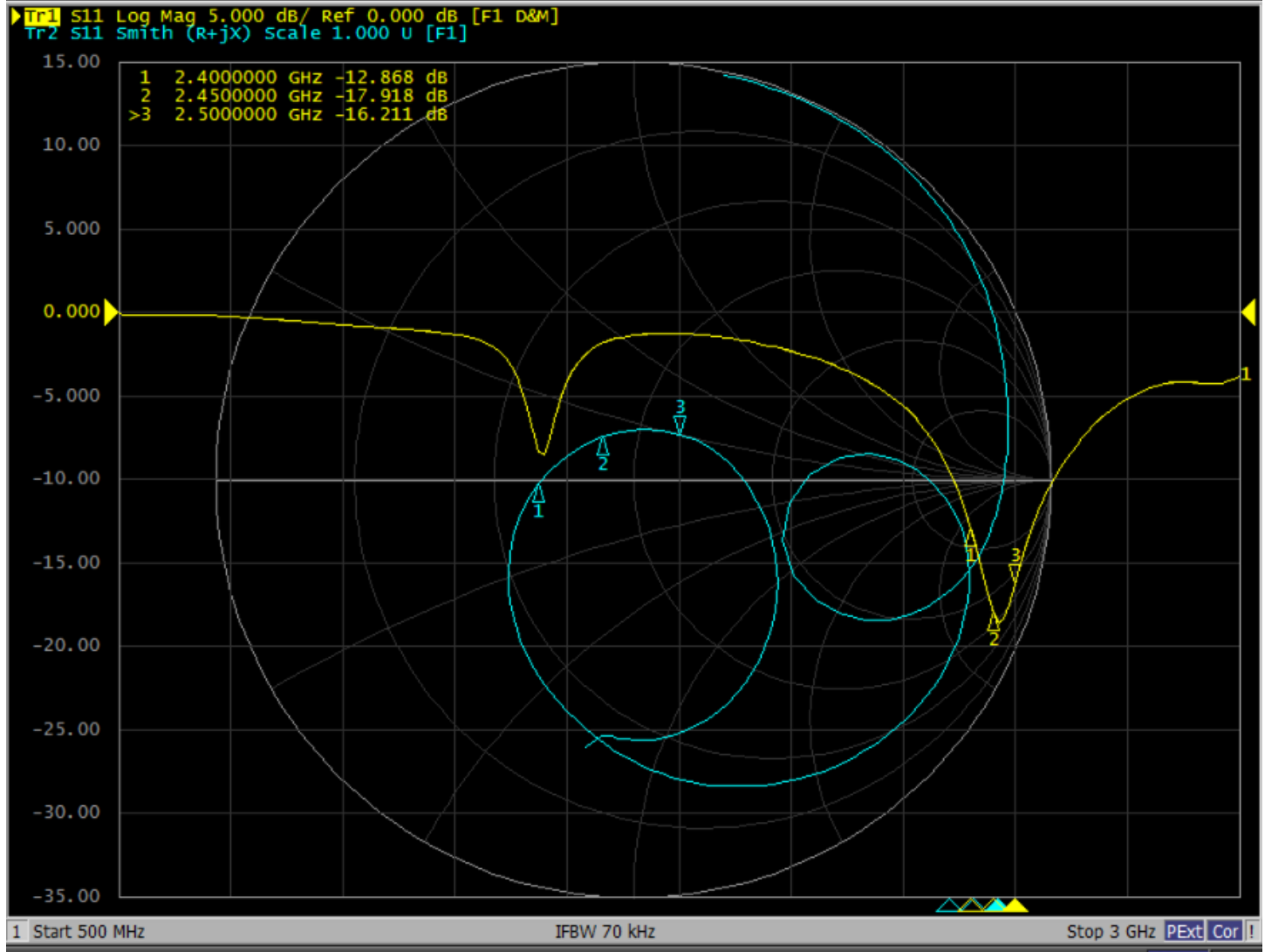
反面背胶面

Units: mm

Test Setup
Return Loss

E5063A Network Analyzer

1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State



SZ2871B

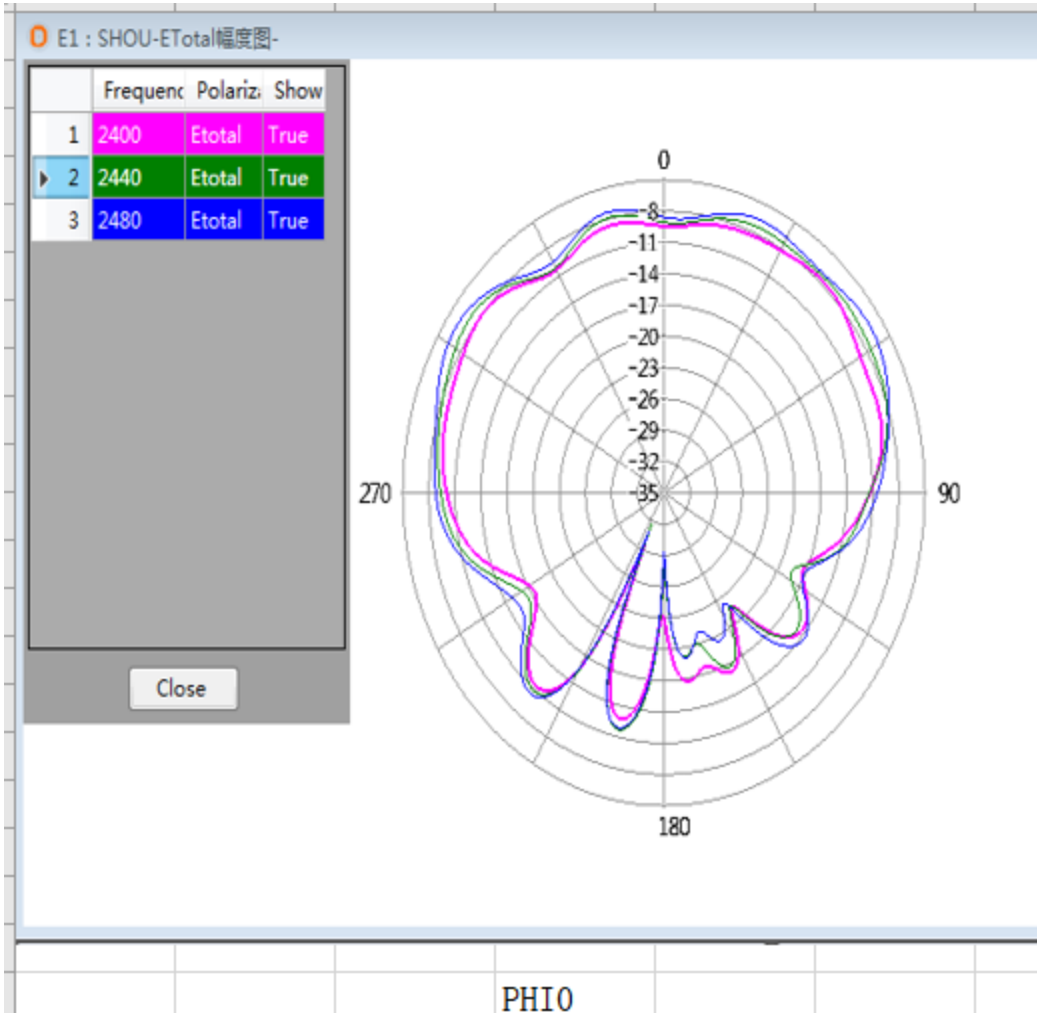
EFFICIENCY%(device with wrist)

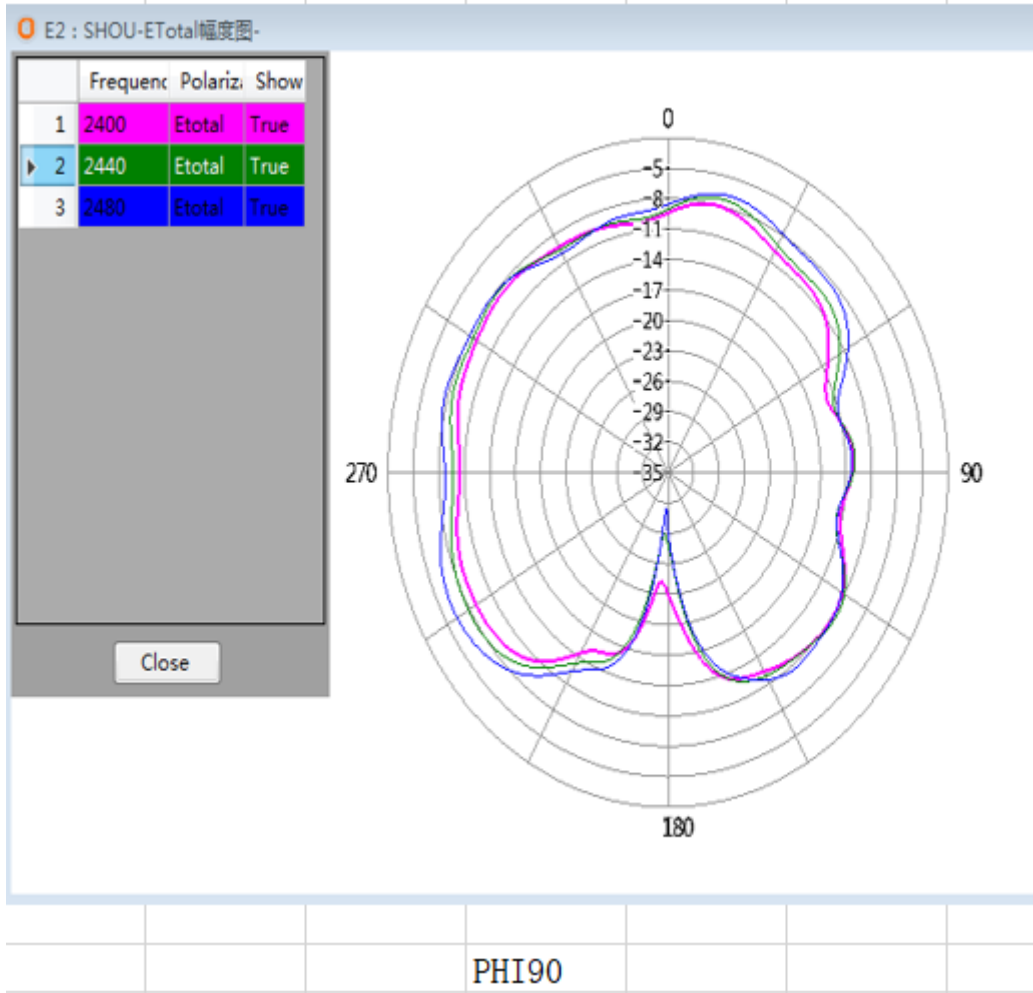
Freq (MHz)	Eff_dB	Eff (%)	Gain dBi
2400	-11.49	7.1	-8.71
2410	-11.36	7.31	-8.68
2420	-11.1	7.77	-8.49
2430	-11.07	7.82	-8.34
2440	-11.05	7.85	-8.32
2450	-11.05	7.86	-8.44
2460	-10.98	7.98	-8.42
2470	-10.98	7.98	-8.33
2480	-10.9	8.13	-8.35
2490	-10.94	8.06	-8.68
2500	-10.96	8.02	-8.5

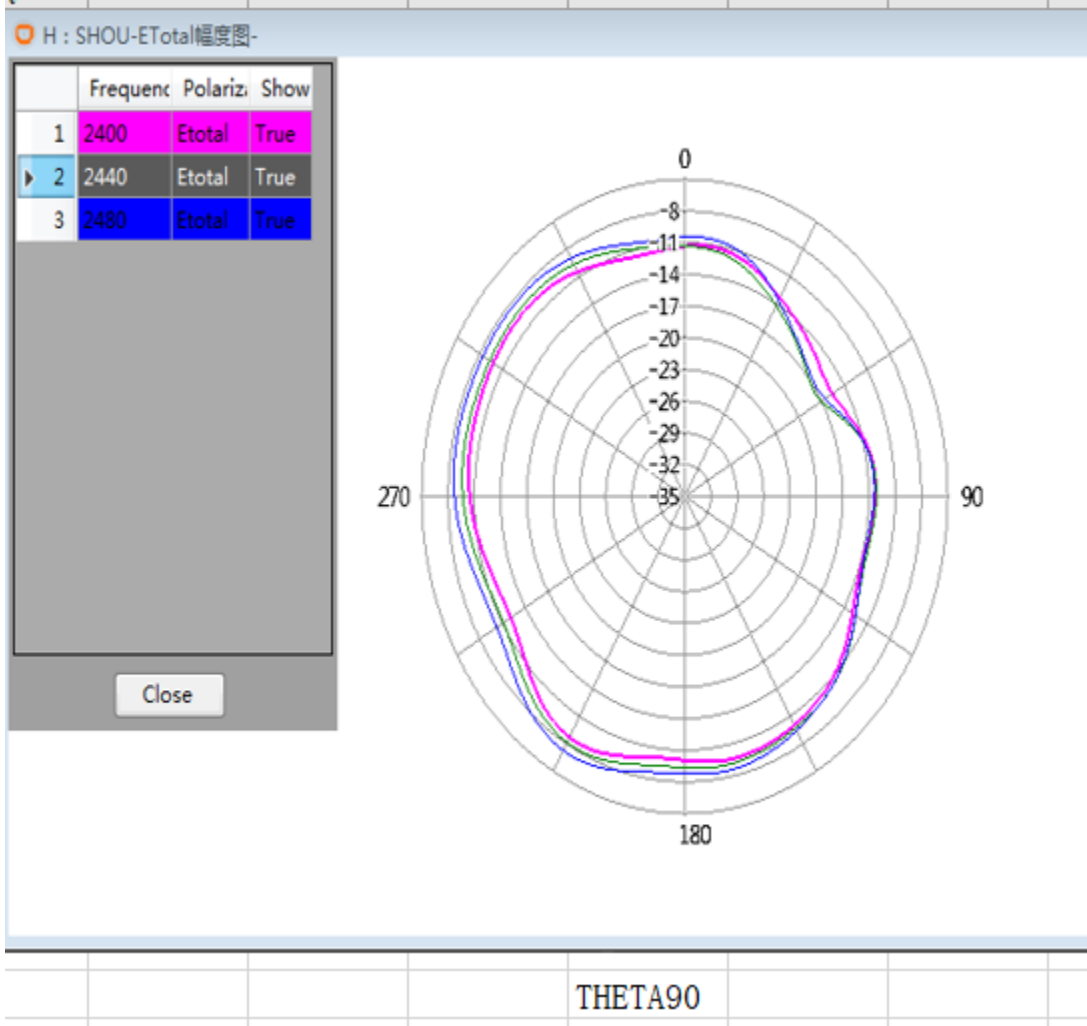
EFFICIENCY%(Free Space)

Freq (MHz)	Eff_dB	Eff (%)	Gain dBi
2400	-10	10	-6.85
2410	-9.9	10.22	-6.54
2420	-9.77	10.53	-6.42
2430	-9.64	10.86	-6.24
2440	-9.54	11.13	-5.99
2450	-9.51	11.19	-5.77
2460	-9.36	11.59	-5.84
2470	-9.2	12.03	-5.73
2480	-9.03	12.51	-5.49
2490	-8.93	12.8	-5.57
2500	-9.04	12.47	-5.99

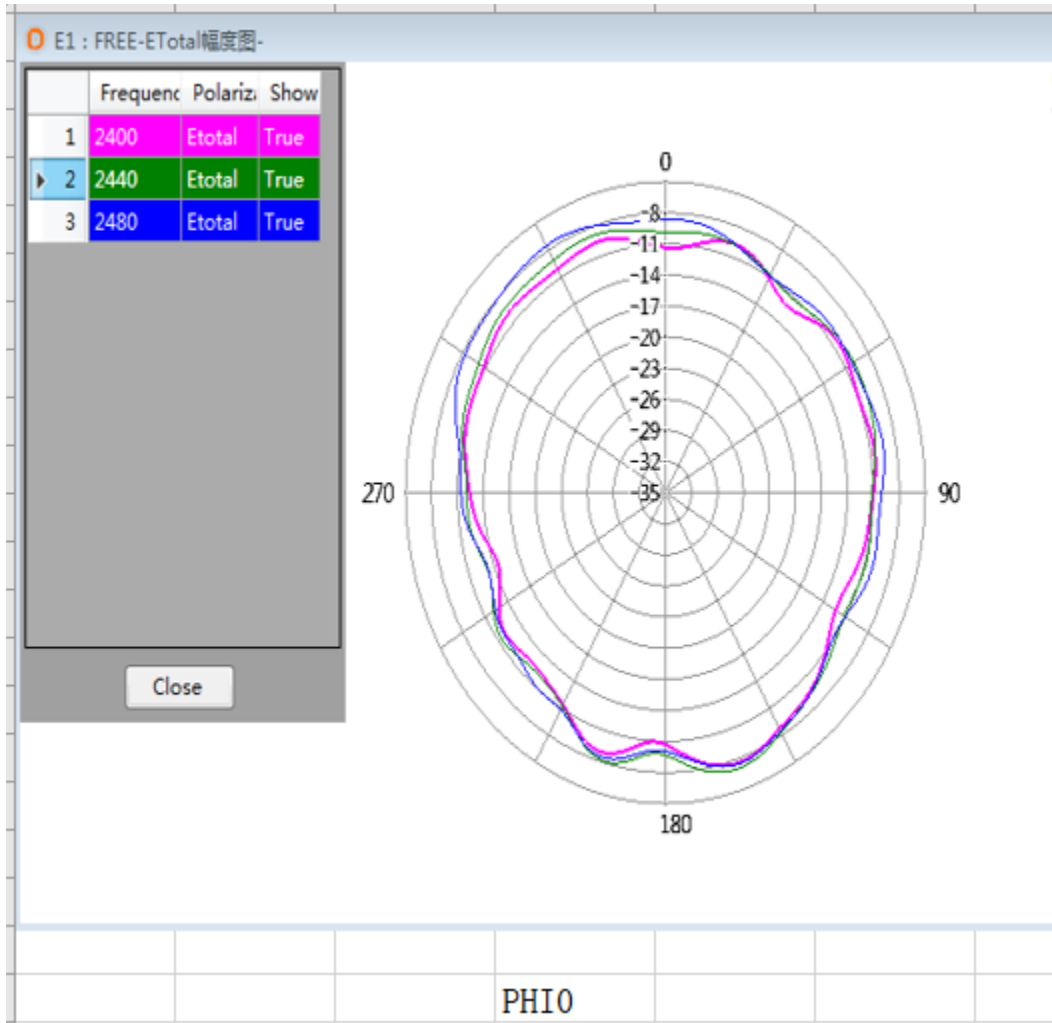
Antenna radiation pattern diagram (device with wrist)

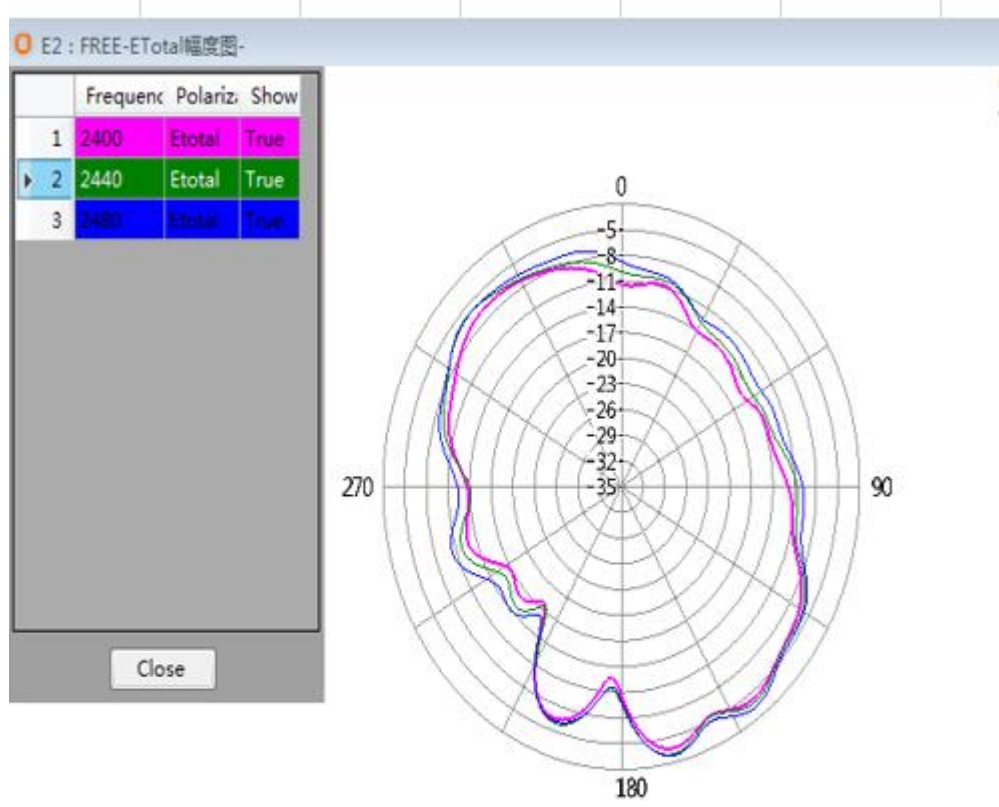






Antenna radiation pattern diagram(Free Space)





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