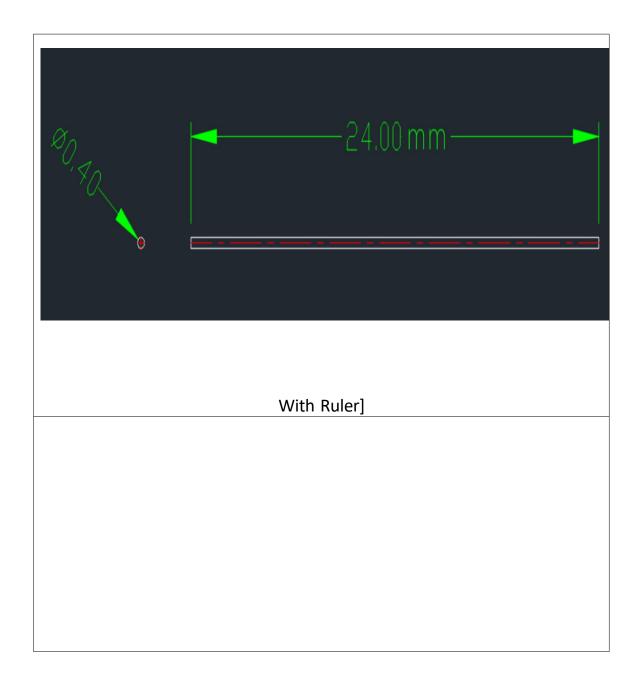
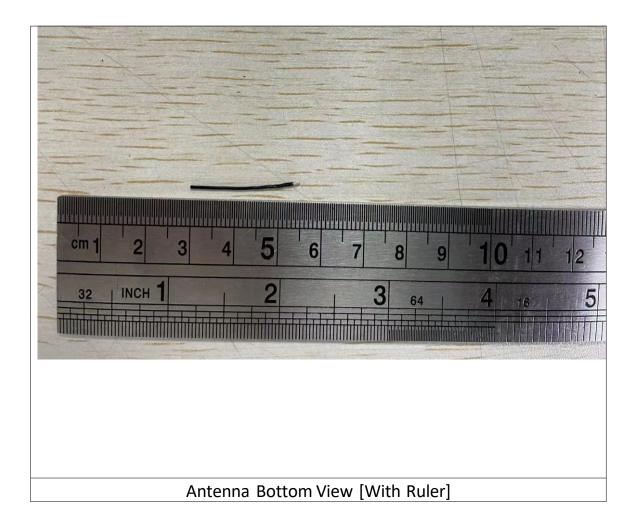
Antenna Information

Manufacturer	Shenzhen Panlong Communication Technology Co., Ltd.							
Antenna Type	Onboard antenna							
Antenna Model	Bluetooth cable							
Antenna Part Number	3.30.\$76.001							
Antenna Frequency Range	2400-2500MHz							
Manufacturer Address	201, 2nd Floor, Baisifu Maker, No. 8 North Second							
	Lane, Shiyan Liguang Water Plant, Bao'an District, Shenzhen City							
Antenna Peak Gain	-0.02dBi MAX							
Antenna Dimension (LxHxW)	Diameter 0.4mm*24mm							

Antenna Photo







Antenna Pattern/Gain Measurement data/Table:

Test Point	Freq.	TRP	Gain	Directivity	Efficiency	Efficiency	Max	Theta of	Phi of Max Mi	Min	Theta of	Phi of Min	AVG	Max/Min	Max/AVG	Min/AVG
D	(MHz)	(dBm)	(dBi)	(dBi)	(%)	(dB)	(dBm)	Max	FILL OF IWAX	(dBm)	Min		(dBm)	(dB)	(dB)	(dB)
1	2400.0	2400.00	-0.75	5.33	24.7%	-6.08	-0.75	18000	15000	-21.94	1500	1500	-5.94	21.19	5.19	-16.00
2	2410.0	2410.00	-0.86	5.10	25.3%	-5.96	-0.86	18000	15000	-20.90	1500	1500	-5.84	20.04	4.98	-15.06
<u>3</u>	2420.0	2420.00	-0.78	4.91	26.9%	-5.70	-0.78	18000	15000	-19.19	1500	1500	-5.60	18.41	4.81	-13.60
4	2430.0	2430.00	-1.05	4.80	26.0%	-5.85	-1.05	18000	16500	-18.87	3000	0	-5.76	17.82	4.71	-13.11
5	2440.0	2440.00	-1.07	4.67	26.7%	-5.74	-1.07	18000	16500	-18.54	3000	0	-5.67	17.46	4.60	-12.86
<u>6</u>	2450.0	2450.00	-0.96	4.62	27.7%	-5.58	-0.96	15000	9000	-18.17	3000	0	-5.53	17.21	4.57	-12.64
1	2460.0	2460.00	-0.62	4.61	30.0%	-5.23	-0.62	15000	9000	-18.07	3000	13680	-5.20	17.45	4.58	-12.87
<u>8</u>	2470.0	2470.00	-0.53	4.54	31.1%	-5.07	-0.53	15000	9000	-18.58	3000	13680	-5.05	18.05	4.53	-13.53
9	2480.0	2480.00	-0.48	4.53	31.6%	-5.01	-0.48	15000	9000	-18.61	3000	13680	-5.02	18.14	4.55	-13.59
<u>10</u>	2490.0	2490.00	-0.48	4.58	31.2%	-5.06	-0.48	15000	9000	-18.43	3000	13680	-5.10	17.95	4.62	-13.33
11	2500.0	2500.00	-0.02	4.69	33.8%	-4.71	-0.02	15000	9000	-18.43	3000	13680	-4.77	18.41	4.75	-13.66
12	-		-	-		-			-		-	-		-	-	-
13	-		-	-	-	_	-		-		-	-		-	-	
14	-	-	-	-	-	-	-		-		-	-		-	-	-

