

Heyuan Xunwei Communication Technology Co., Ltd

SPECIFICATION FOR APPROVAL

supplier: _____Heyuan Xunwei Communication Technology Co., Ltd_____

Supplierspecifications: BT antenna

Supplier model: WF261-BT

Customer Name : ShenzhenWaterword ATINFORMATION

Customer Item No : WF261E

Version No : antenna V1.0

Sample delivery date : 2023/12/06

Antenna Type: FPC Antenna

Ackno wledg ment column	supplier	RF Engineer	to examine	approval	file
		kang	liwenbo	song	chenting
	customer	Certified Engineer	to examine	approval	file

Address:

M area, 8th floor, Building 1, Baisha Emerging Industrial Park, No. 3011 S
hahe West Road, Nanshan District, Shenzhen

Heyuan Xunwei Communication Technology Co., Ltd

1 . Test instrument and environment: STM darkroom, CMW500 / E5071B, the mobile phone is placed back to the turntable 4 meters away from the standard horn antenna:



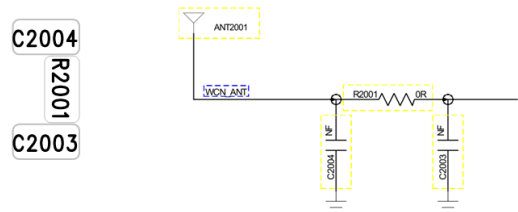
2. Antenna performance:

序号	Work index	Working parameters
1	working frequency	2400-2500MHZ
2	Standing wave ratio	≤ 3.0
3	Return loss	-2dB Max
4	Antenna gain	Peak gain 2400MHZ-2500MHZ:-1.08dBi
5	Antenna efficiency	23~38%
6	Polarization direction	Vertical / horizontal
7	Interface type	welding
8	Antenna size	Main antenna:15.5*8.91*0.1MM

Heyuan Xunwei Communication Technology Co., Ltd

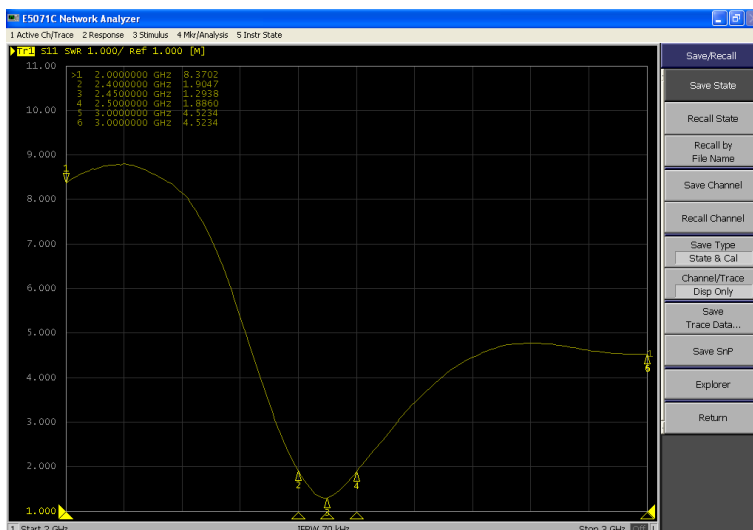
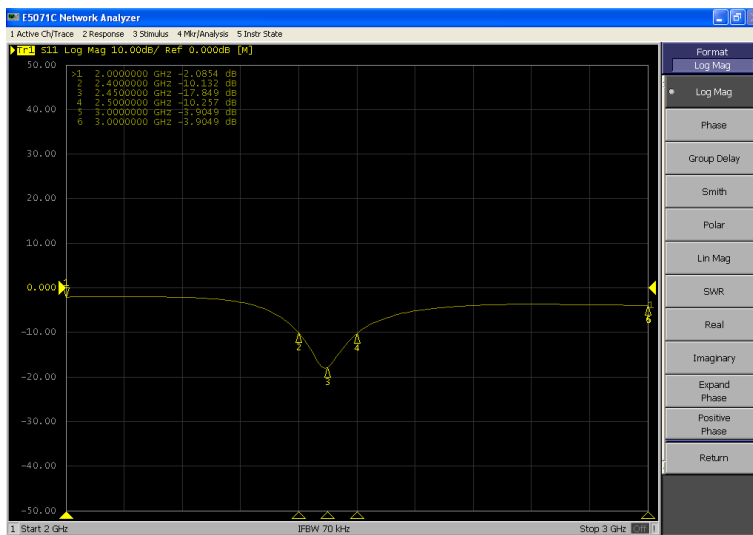
3.building-out circuit:

BT天线匹配



C2004: 1.5PF
R2001: 0欧姆
C2003: 空贴

4.Antenna passive data S11, ReturnLoss, Smith :



Heyuan Xunwei Communication Technology Co., Ltd

5. Gain of efficiency:

Freq. MHZ	Gain.	Efficiency_Pcent. %
2400	-1.31	35%
2410	-1.24	38%
2420	-1.08	36%
2430	-1.35	33%
2440	-1.47	31%
2450	-1.61	28%
2460	-1.67	25%
2470	-1.70	25%
2480	-1.78	25%
2490	-1.81	24%
2500	-1.86	23%

Peak gain:-1.08dBi

Heyuan Xunwei Communication Technology Co., Ltd

6. antenna orientation diagram (dB)

