



深圳市凯普深通讯科技有限公司

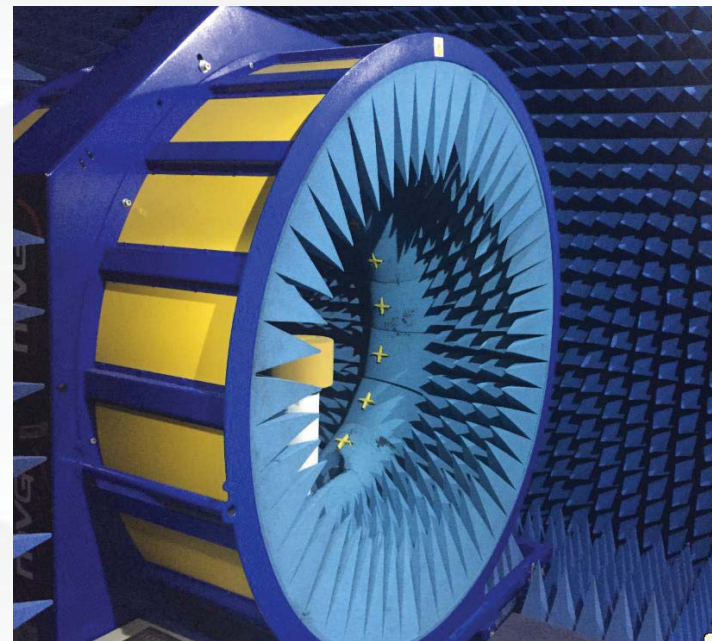
Shenzhen cape deep communication technology co., LTD

天线测试报告 Antenna report

Product name : G16



Environment and equipment

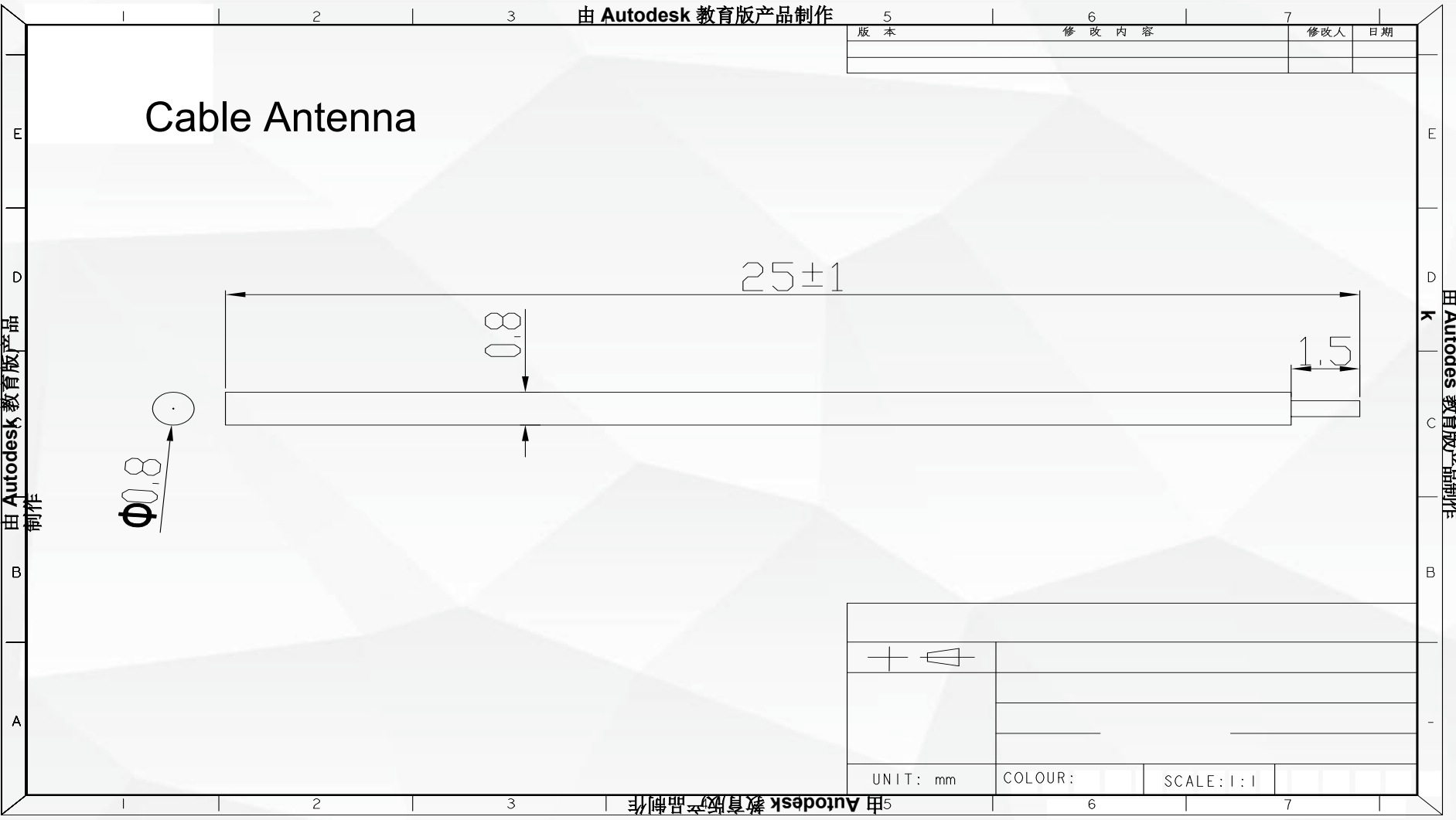


Item	Equipment
S11、S12、VSWR、LOSS	Network Analyzer E5071B、E5062A
Efficiency、Gain 3D Radiation Pattern	Satimo SG16 chamber、GP7*4*3 chamber、E5071B
TRP、TIS	Satimo SG16 chamber、 GP7*4*3chamber、8960、 CMW500、MT8820C、E4438C、



Project Debugging

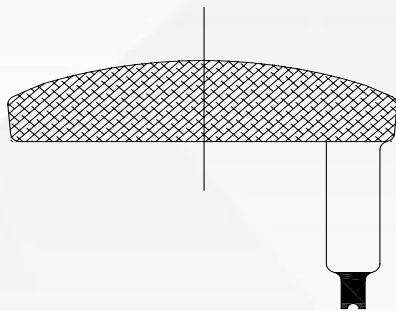
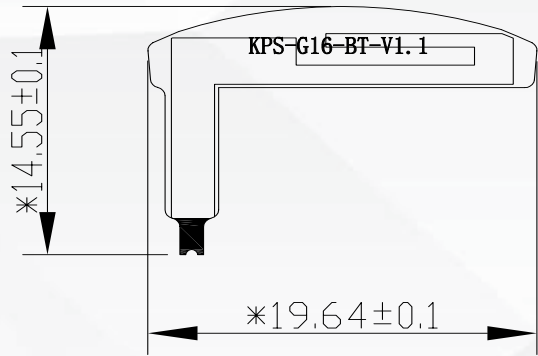
Machine type	bluetooth transmitter			
		Frequency	Antenna form	match changes
Antenna gain & frequency		2400-2480M		NO
Antenna type	RF1:FPC Antenna RF2:Cable Antenna			



由 Autodesk 教育版产品制作

由 Autodesk 教育版产品制作

FPC Antenna



+					
UNIT		L UR		S -L- I	

版 本	修 改 内 容	修 改 人	日 期



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Antenna passive return loss diagram

RF1:FPC Antenna



RF2:Cable Antenna





Antenna Passive Test Data

RF1:FPC Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	26.44	-5.78	-2.43
2410	28.84	-5.4	-2.07
2420	27.83	-5.56	-2
2430	28.23	-5.49	-1.8
2440	27.88	-5.55	-1.8
2450	27.29	-5.64	-1.83
2460	30.45	-5.16	-1.35
2470	27.71	-5.57	-1.92
2480	31.33	-5.04	-1.51
2490	31.24	-5.05	-1.53
2500	32.51	-4.88	-1.29

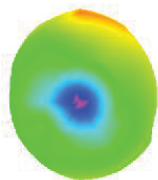
RF2:Cable Antenna

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)
2400	21.12	-6.75	-2.71
2410	24.05	-6.19	-2.29
2420	24.62	-6.09	-2.57
2430	25.94	-5.86	-2.22
2440	27.04	-5.68	-2.11
2450	28.19	-5.5	-1.85
2460	26.73	-5.73	-2.37
2470	26.5	-5.77	-1.86
2480	25.05	-6.01	-1.58
2490	25.88	-5.87	-1.42
2500	23.94	-6.21	-1.59

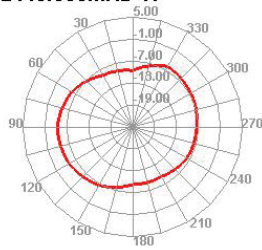
Antenna passive test pattern

RF1:FPC Antenna

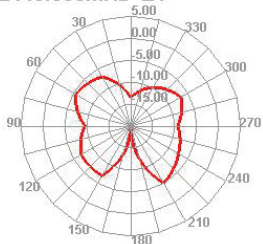
2440.000MHz



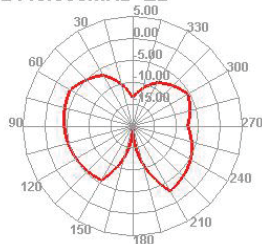
2440.000MHz H



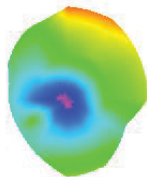
2440.000MHz E1



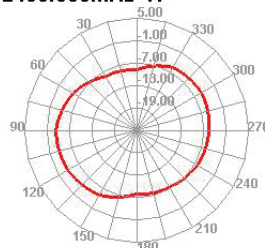
2440.000MHz E2



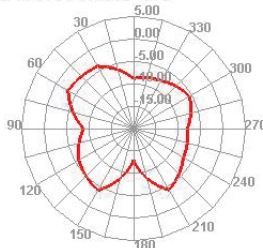
2400.000MHz



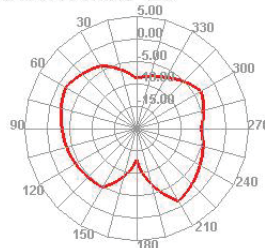
2400.000MHz H



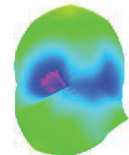
2400.000MHz E1



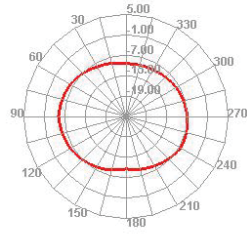
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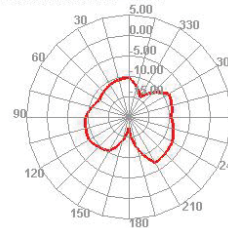
2500.000MHz



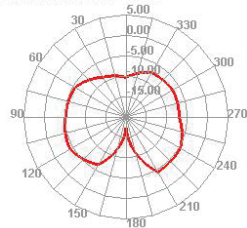
2500.000MHz H



2500.000MHz E1



2500.000MHz E2

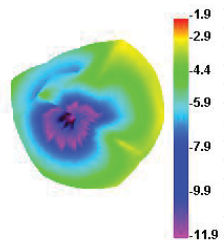




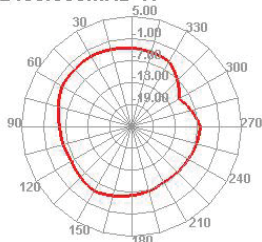
Antenna passive test pattern

RF2:Cable Antenna

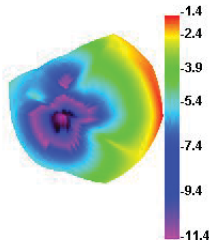
2400.000MHz



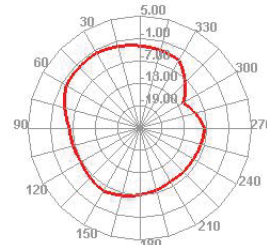
2400.000MHz H



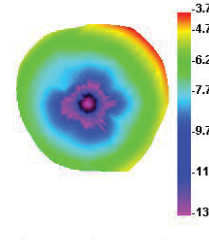
2440.000MHz



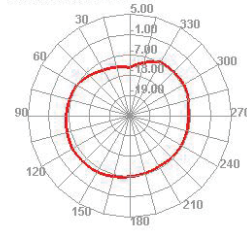
2440.000MHz H



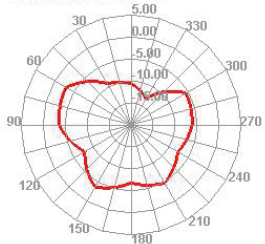
2500.000MHz



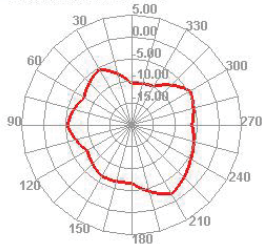
2500.000MHz H



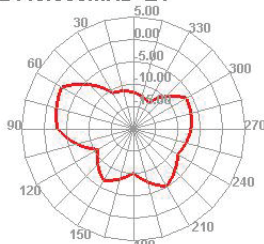
2400.000MHz E1



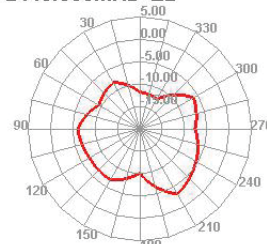
2400.000MHz E2



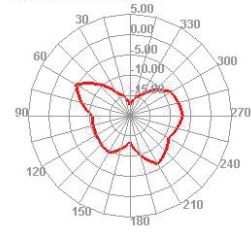
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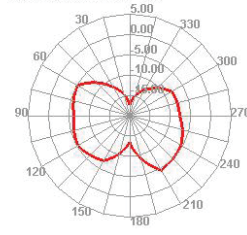
2440.000MHz E2



2500.000MHz E1



2500.000MHz E2





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Actual data

Phone	Watch and mobile phone call test							
Direction	Measured 11 meters downstairs in our company							
	Front	Back	Left	Right	Front	Back	Left	Right
Group								
During the test, turn each azimuth by 30 degrees left and right, and take the minimum value.								



Whole machine environment treatment

**The original environment of the
whole machine**



Contact details

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