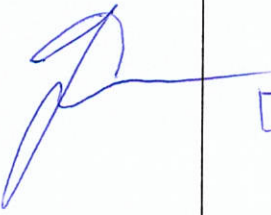


皓楷科技股份有限公司
零件承認申請單

承認書號:HK-ZCOM001

申請日期:2019年10月08日

申請原因	☐ 1.First Source ☐ 2.Second Source ☐ 3.Update ☒ 4.Other(請於申請原因說明)			
品 號	131XXXXXXX~402XXXXXXX(X=0-9, A-Z)	製 造 商	請參閱附件說明	
品 規	請參閱附件說明	製造商型號	請參閱附件說明	
承認機種	參閱 ERP 用料狀況			
申請原因說明: 承認外來文件(ZCOM)與規格尺寸均為符合				
<u>AUTHORIZED SIGNATURES</u>				
品 保 主 管	採 購 主 管	部 門 主 管	審 核 者	申 請 者
Sean 代		Dennis	Paul	sub
發 行		ISSUED OCT 17 2019 研發中心發行章 Hawkeye Tech		

檢驗說明：

檢 驗 項 目	符 合 要 求 判 斷	檢 驗 分 析 說 明
1. 零件外觀尺寸機構	PASS	
2. 零件外觀印刷文字	PASS	
3. 零件外觀顏色	PASS	
4. 零件電子特性	PASS	
5. 其他	NA	
符 合 規 範	符 合 要 求 判 斷	檢 驗 分 析 說 明
1. 認證控管零件	NA	
2. 危險物質檢測報告	NA	
3. 衝突礦產	NA	
4. 其他(描述):	NA	

備註：

2J2124W-C315N

CELLULAR / LTE Connector Mount

Key Features

CELLULAR / LTE

- 698-960 MHz
- 1710-2170 MHz
- 2500-2700 Mhz

Connector Mount

N-Male Standard

Ground Plane Independent

Dimensions 232 × Ø 20 (Ø 16) mm



1. Antenna and electrical specifications

Parameters	CELLULAR / LTE Antenna		
Standards	2G,3G and 4G		
Band (MHz)	700/850/900	1700/1800/1900/2100	2600
Frequency (MHz)	698-960	1710-2170	2500-2700
Return Loss (dB)	~-11.5	~-14.2	~-9.2
VSWR	~1.8:1	~1.5:1	~2.0:1
Efficiency (%)	~55	~58	~71
Peak Gain (dBi)	~0.3	~1.7	~2.3
Average Gain (dB)	~-2.7	~-2.4	~-1.5
Impedance (Ohm)	50		
Polarisation	Linear		
Radiation Pattern	Omni-Directional		
Max. Input Power (W)	25		
Connector Type	N-Male Standard		

Antenna Measurement Conditions:

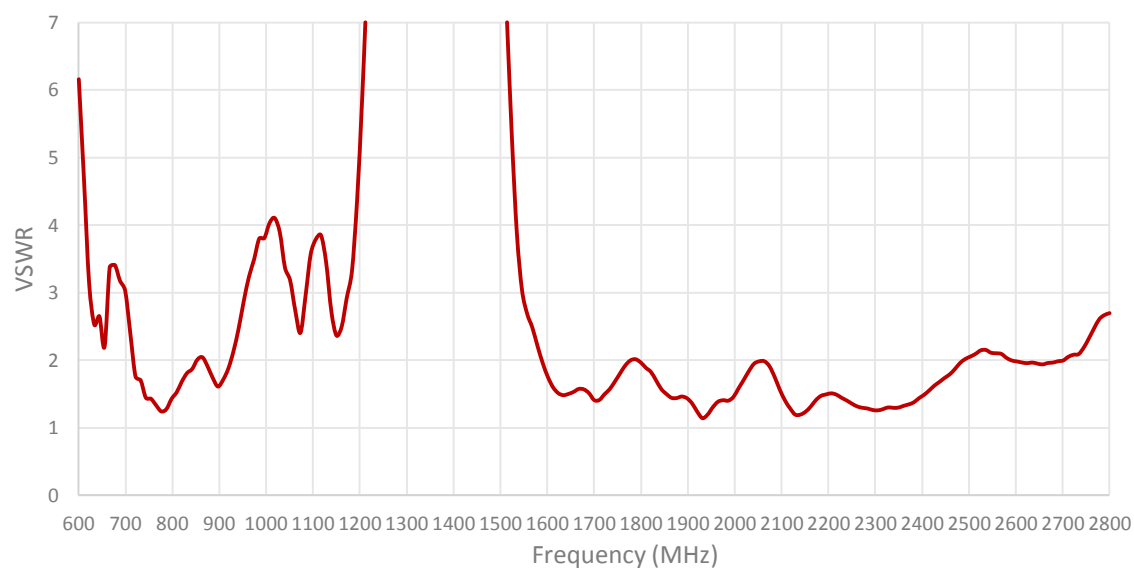
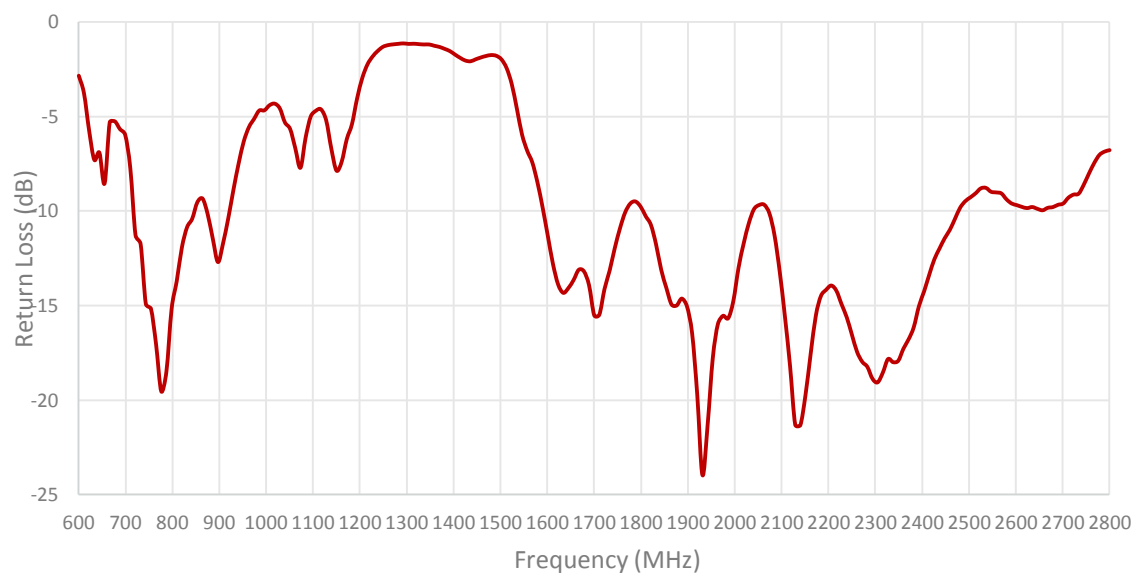
Free Space

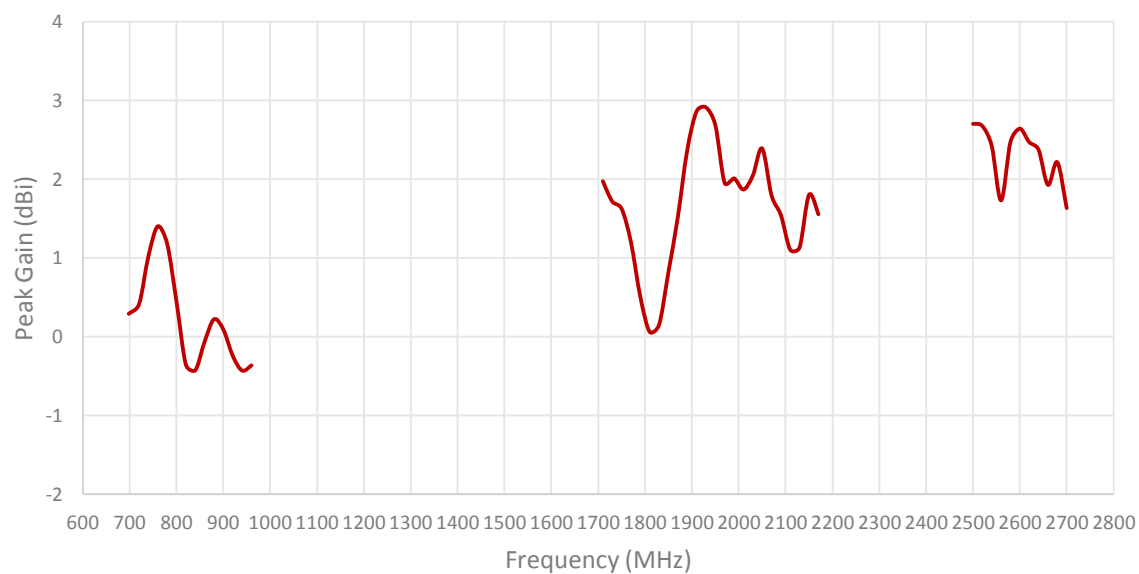
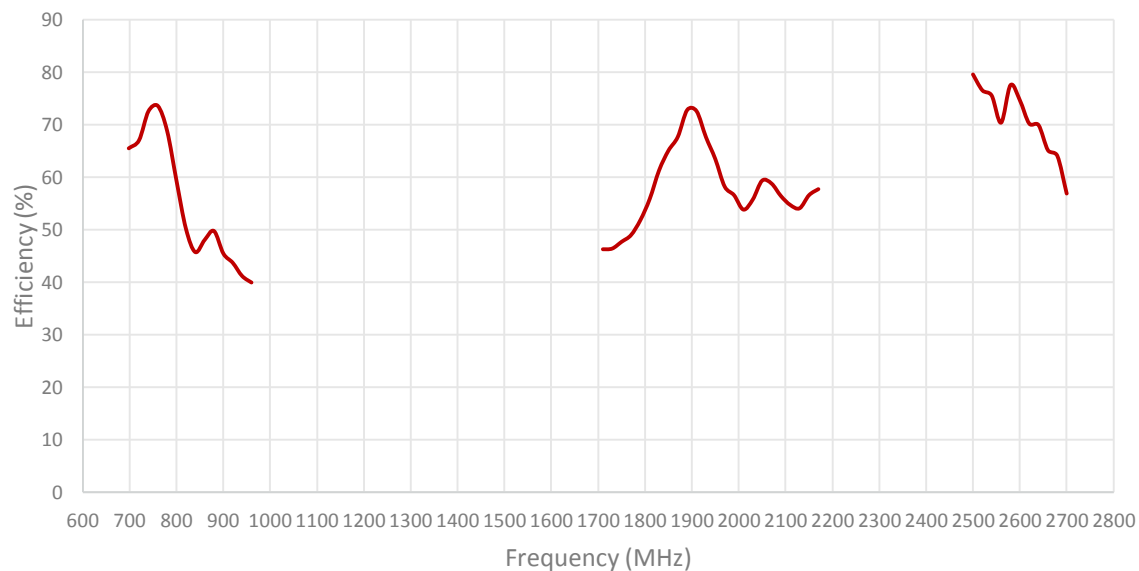
Measured in Certified CTIA 3D Anechoic Chamber

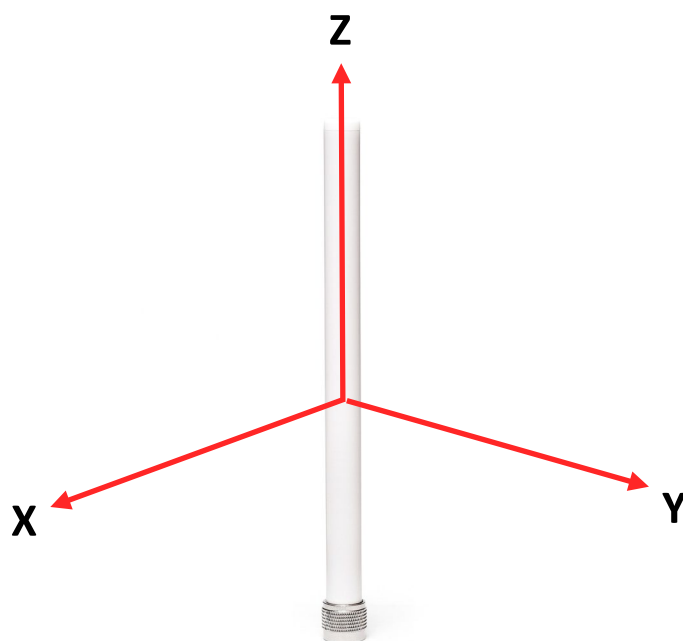
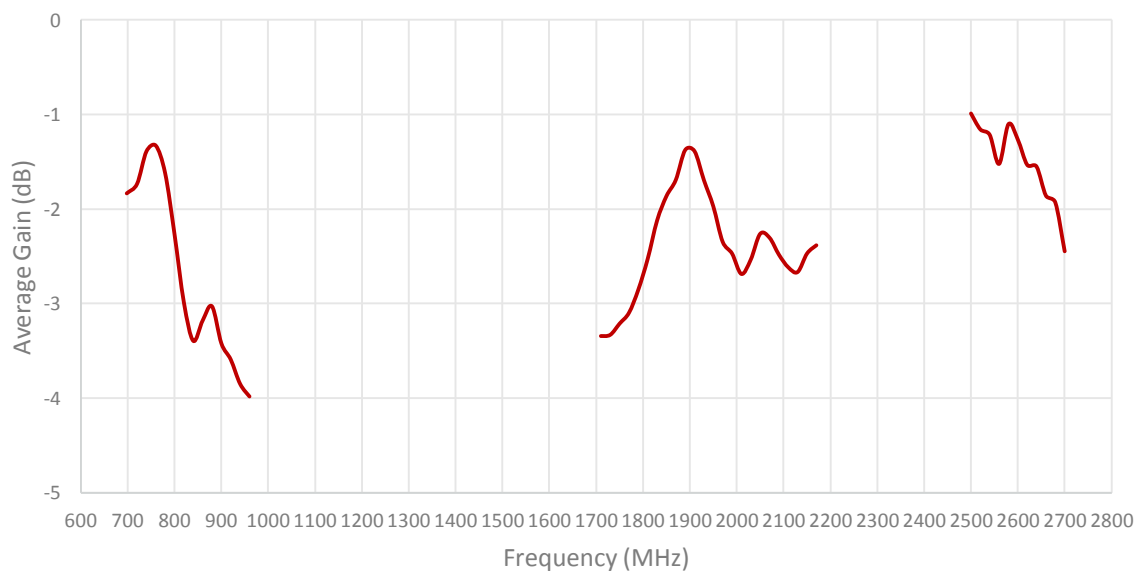
2. Mechanical and environmental specifications

Specifications	2J2124W-C315N
Mounting Type	Connector Mount
Dimensions (mm)	232 × Ø 20 (Ø 16)
Radome	PC/ABS UV Stable
Radome color	White
Operating Temperature (C)	-40 to +85
Storage Temperature (C)	-40 to +85
Substance Compliance	RoHS

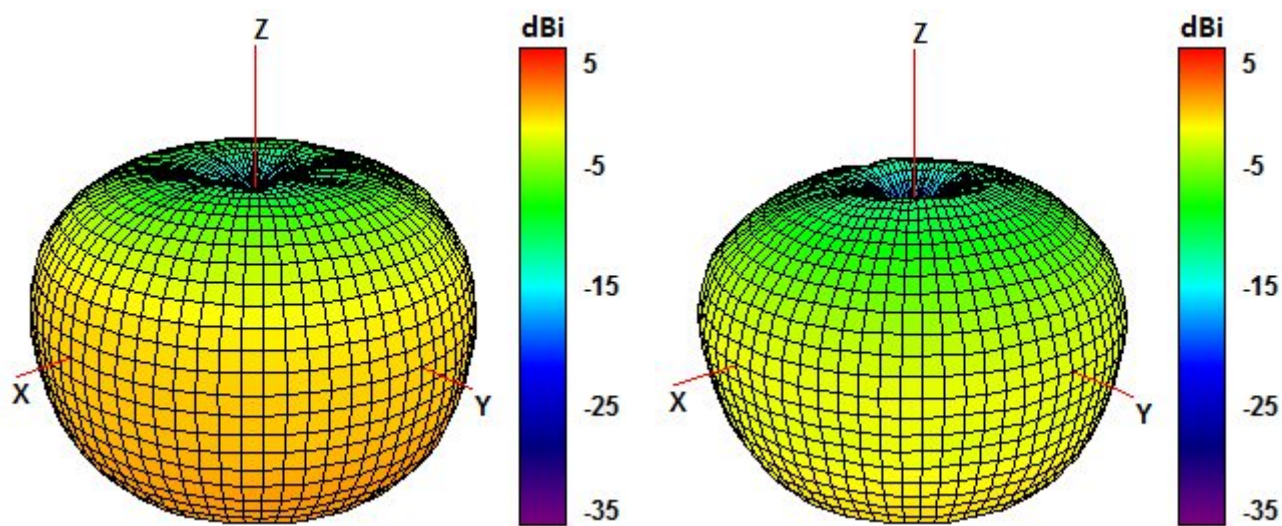
3. Antenna parameters



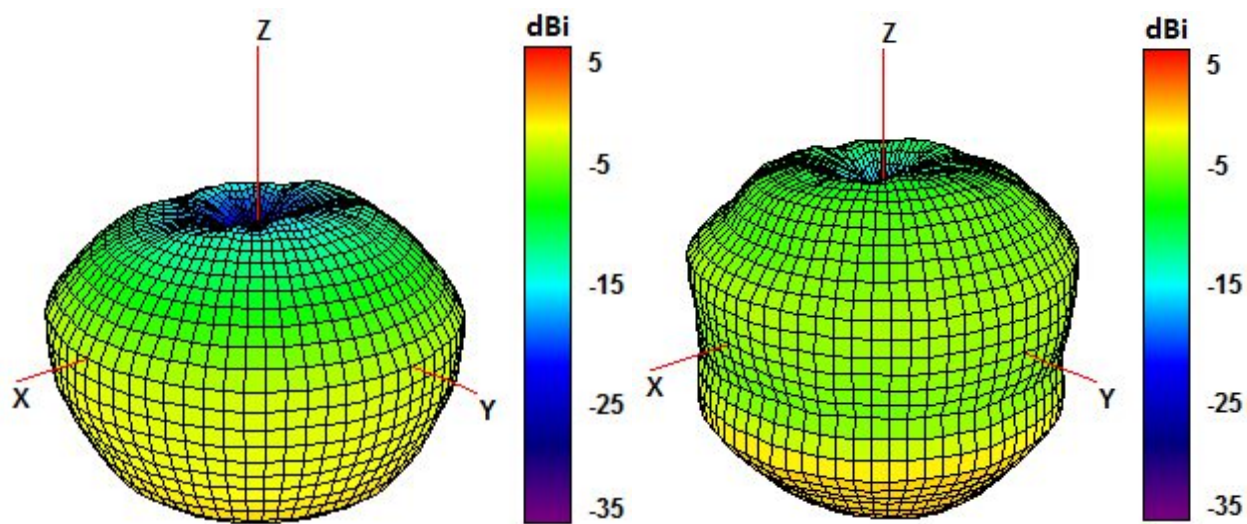




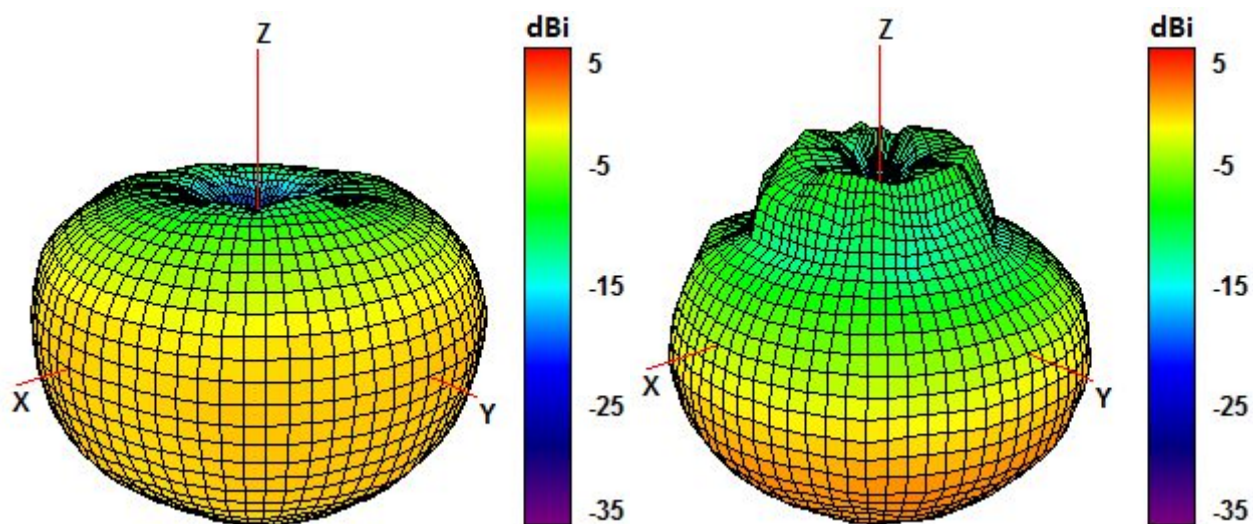
Radiation pattern reference



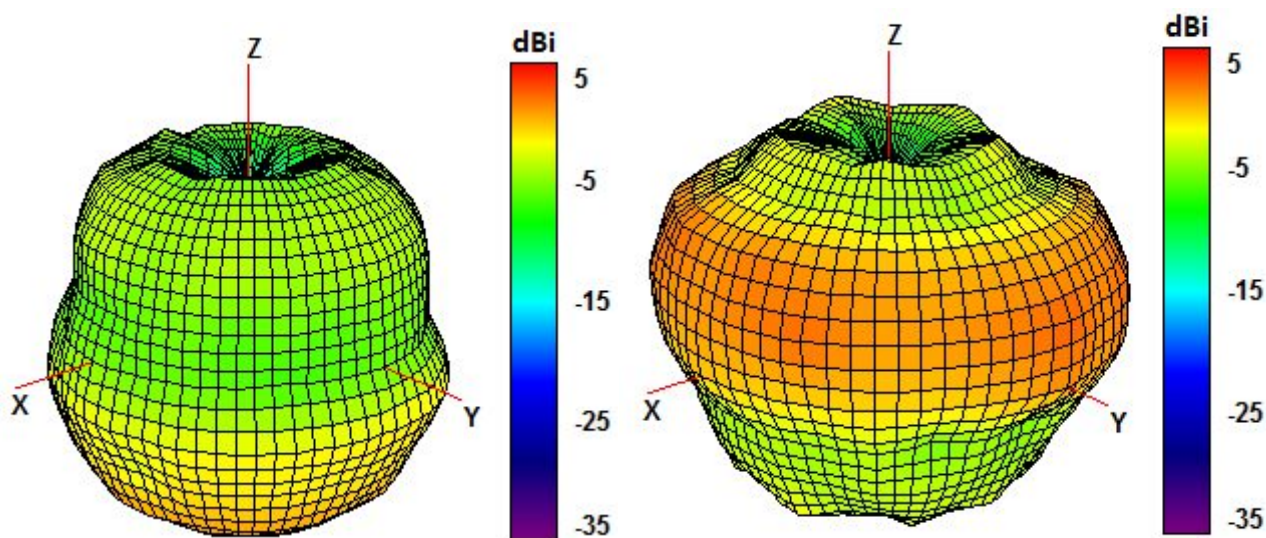
750 and 850 MHz Radiation pattern



940 and 1750 MHz Radiation pattern

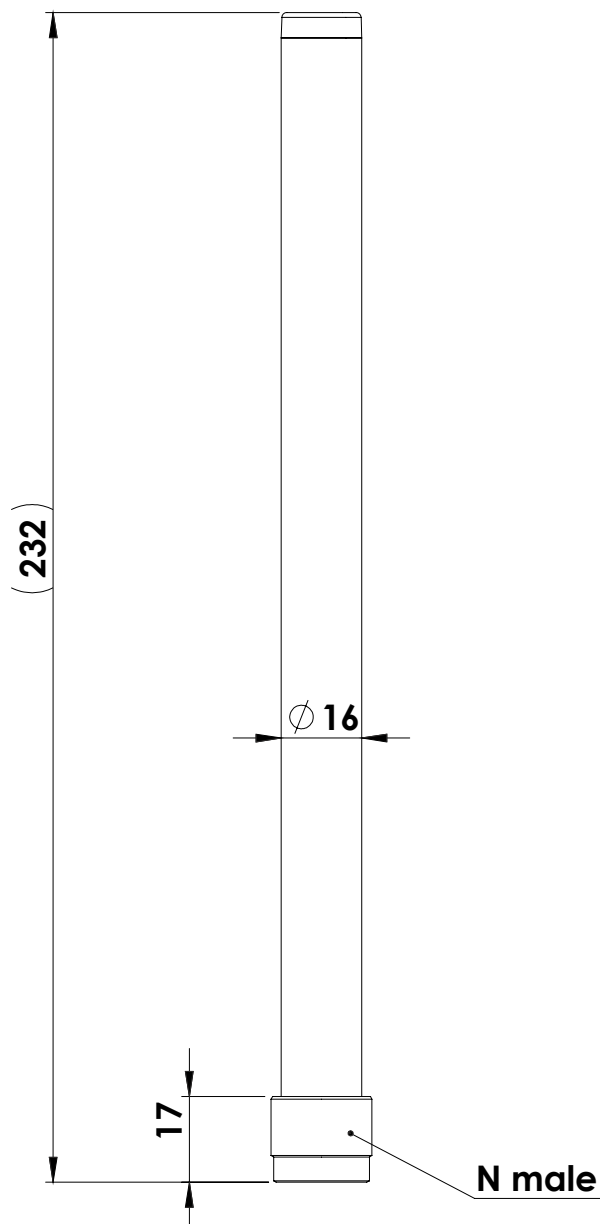
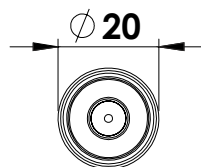


1850 and 1950 MHz Radiation pattern



2100 and 2600 MHz Radiation pattern

4. Antenna drawings



Antennas Size Tolerances

Nominal size or Diameter (mm)	TOLERANCE +/- (mm)
0.5 - 3.0	0.5
3.0 - 6.0	0.8
6.0 - 30.0	1
30.0 - 120.0	1.6
120.0 - 400.0	3
400.0 - 1,000.0	5
1,000.0 - 2,000.0	8
2,000.0 - 4,000.0	10

5. Antenna Images

