

#### Intro

Antenna gain documentation required for all FCC Part 15 devices. Must provide either an antenna datasheet/ specification or a test report with gain measurements and plots. This Information cannot be held confidential. Additionally, proprietary information of the design itself can remain confidential in either the 'operational description' or 'schematic'.



#### Antenna specification:

- 1. Company: AradTech
- 2. Product name: CAT-M PIT Module
- 3. RF module/chip: Blue NRG-1
- 4. Antenna description

Antenna type	Monopole		
Antenna manufacturer	N/A (In-house design)		
Antenna dimensions	Ø 86mm		
Frequency range	2400MHz to 2480MHz		
Modulation	GFSK		
Antenna gain max (peak)	2400MHz	2440MHz	2480MHz
	2.43dBi	2.63dBi	2.67dBi
VSWR	1.17:1	1.21:1	1.27:1
Cable loss	N/A		
Connector type	N/A (direct soldering)		

### 5. Antenna layout











