

Name: MEW

Date:

2023.08.09

RFID EXPERIMENT "test 3"
TAG LAYOUT: 6" SPACING
~153mm

STICKER: 25mm
ANTENNA: 21mm
NTAG 213

6 INCH
EQUI TRIANGLE
AREA:

$$A = \frac{\sqrt{3}}{4} S^2$$

S = SIDE LENGTH

$$A = \frac{\sqrt{3}}{4} (152.4 \text{ mm})^2$$
$$= 1005.7 \text{ mm}^2$$

12" SQUARE
 $A = (12 \times 25.4)^2$
 $= 92903 \text{ mm}^2$

$$\frac{12" \square}{6" \Delta} = 9.23$$

~~12" / 6" AREA = 4 PER SQ FT~~

TAG DENSITY:
9.23
~~PER SQ FT~~

24 POINTS = 6" = 153mm

11 WINDINGS