RF EXPOSURE COMPLIANCE

The calculated output power of the EUT is as follows:

P = (E*D)^2 / (30*G)

P= watts

E=Volts/meter

D=Distance in meters

G=Antenna gain (numeric)

Measured output FS = 93.6 dBuV/m @ 3 meters or 47,863 uV/m or 0.04786 Volts / meter

P = (0.04786 * 3) ^2 / 30 * 1

P = 0.0206 / 30

P = 0.000687 watts

For this wrist worn device, the distance between the transmitter and the tissue is effectively (1.5) mm. The following calculation is from FCC KDB447498 (4.3.1.1):

Frequency = 2.44 GHz

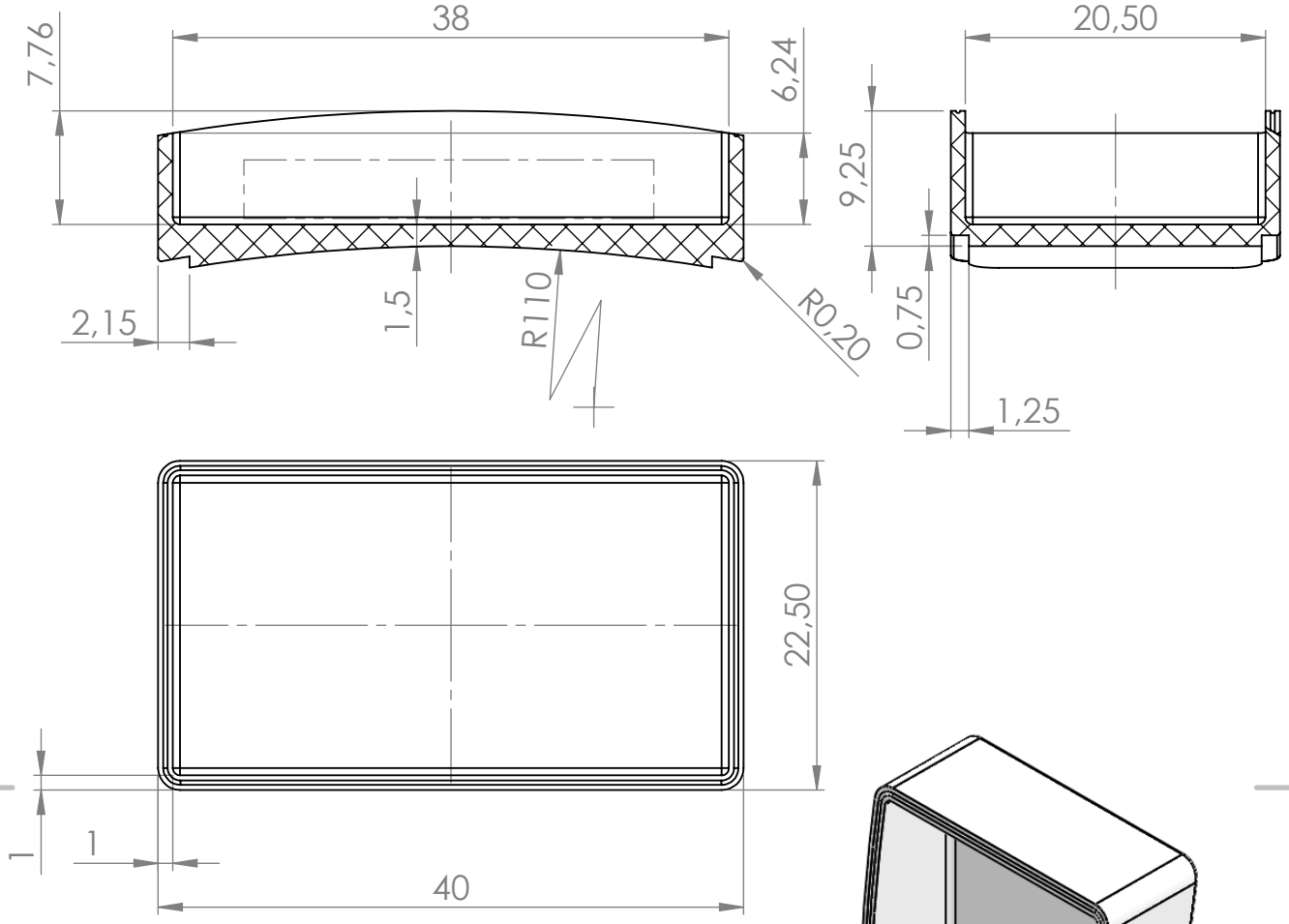
Power = 0.687 milliwatts

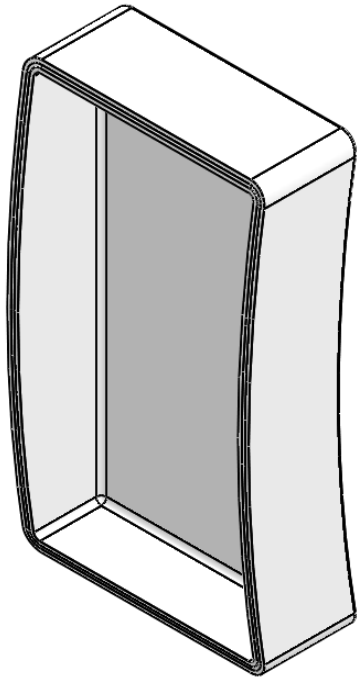
Distance = 1.5 millimeters

((power in mW / distance in mm) * Square root of frequency in GHz) ≤ 3

(0.687 / 1.5) * SQRT 2.44 ≤ 3

(0.458) * 1.562 = (0.7153)





UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS ARE IN MM
2. TOLERANCES
0.00 TO 3.00 ±0.08 3.00 TO 6.00 ±0.10
6.00 TO 18.00 ±0.13 18.00 TO 30.00 ±0.15
30.00 TO 50.00 ±0.18 50.00 TO 80.00 ±0.23
80.00 TO 117.50 ±0.28 117.50 TO 180.00 ±0.33
180.00 TO 250.00 ±0.36 250.00 TO 315.00 ±0.38
3. SEE 3D CAD FILE FOR COMPLETE SHAPE DETAILS.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:	FINISH:	DEBURR AND BREAK SHARP EDGES	DO NOT SCALE DRAWING / REVISION 4

	NAME	SIGNATURE	DATE
DRAWN			
CHK'D			
APPV'D			
MFG			
Q.A			

TITLE: Housing

MATERIAL: ABS

DWG NO. WB_ver1-Housing_ A4

WEIGHT: 2.61 SCALE:2:1 SHEET 1 OF 1