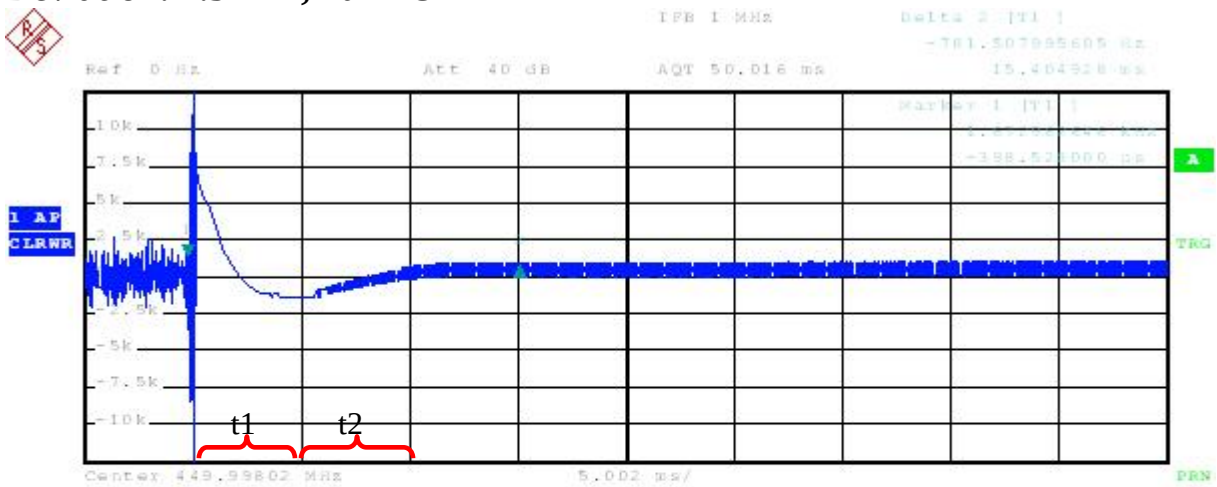
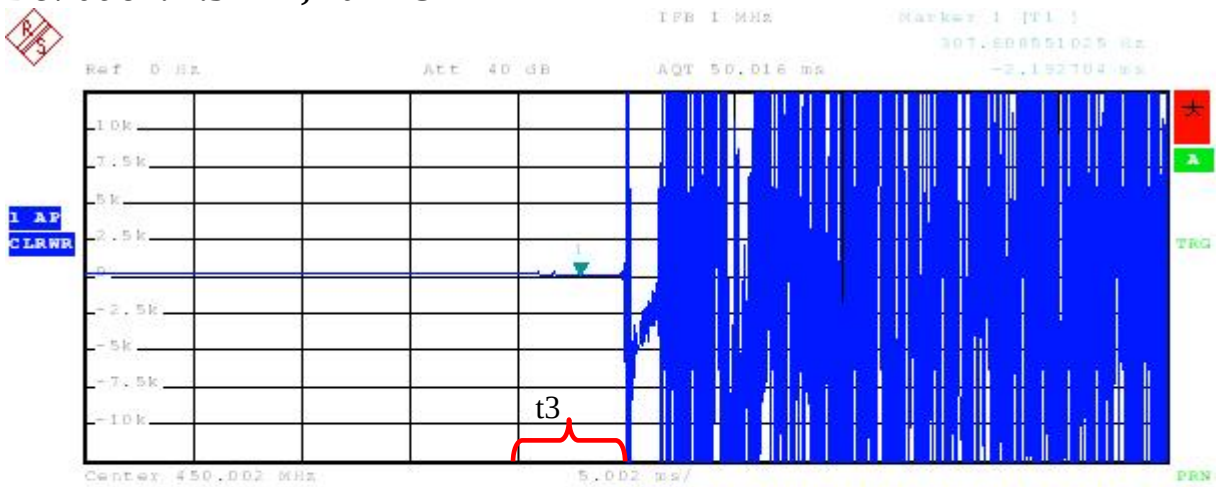
Frequency: 450MHz
Deviation: 2.5KHz, Turn ON



Frequency Modulation Summary

Coupling	DC		Carrier Offset	463.06 Hz
Deviation	+peak	37.59 kHz	Carrier Power	5.78 dBm
	-peak	-12.42 kHz	Modulation Frequency	31.9261 kHz
	⇳peak/2	25.00 kHz	Sampling Rate	62.5 kHz
	RMS	26.61 kHz	Record Length	3127
			Demod Bandwidth	50 kHz

Deviation: 2.5KHz, Turn OFF



Frequency Modulation Summary

Coupling	DC		Carrier Offset	-992.16 Hz
Deviation	+peak	55.96 kHz	Carrier Power	2.41 dBm
	-peak	-64.57 kHz	Modulation Frequency	--- Hz
	⇳peak/2	60.27 kHz	Sampling Rate	62.5 kHz
	RMS	12.94 kHz	Record Length	3127
			Demod Bandwidth	50 kHz

X. Maximum Permissible Exposure

According to **OET BULLETIN 56 Fourth Edition/August 1999**,
Equation for Predicting RF Fields:

$S(W/m2) = PG/4\pi R^2$;

$$R = \sqrt{\frac{PG}{4\pi S}} \qquad r = \sqrt{\frac{365 \times 0.5012}{4\pi (410/300)}} = \mathbf{3.264cm}$$

Where: S = power density (in appropriate units, e.g. mW/cm^2)
P = power input to the antenna (in appropriate units, e.g., mW)
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

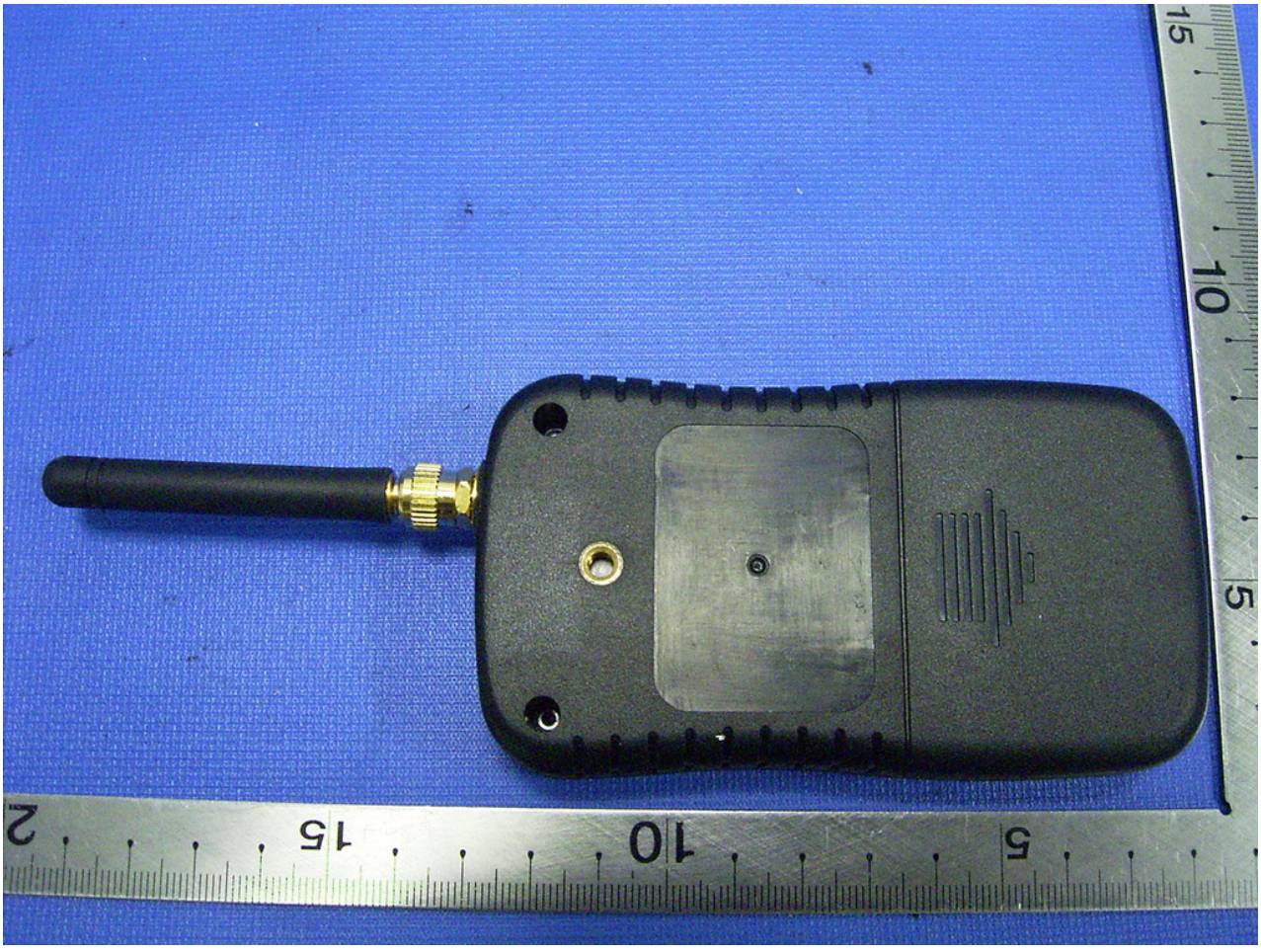
The Numeric gain G of antenna with a gain specified in dB is determined by:
$G = \text{Log}^{-1}$ (dBi antenna gain/10)
$G = \text{Log}^{-1}$ (-3/10) = 0.5012

Limits for Maximum Permissible Exposure (MPE)

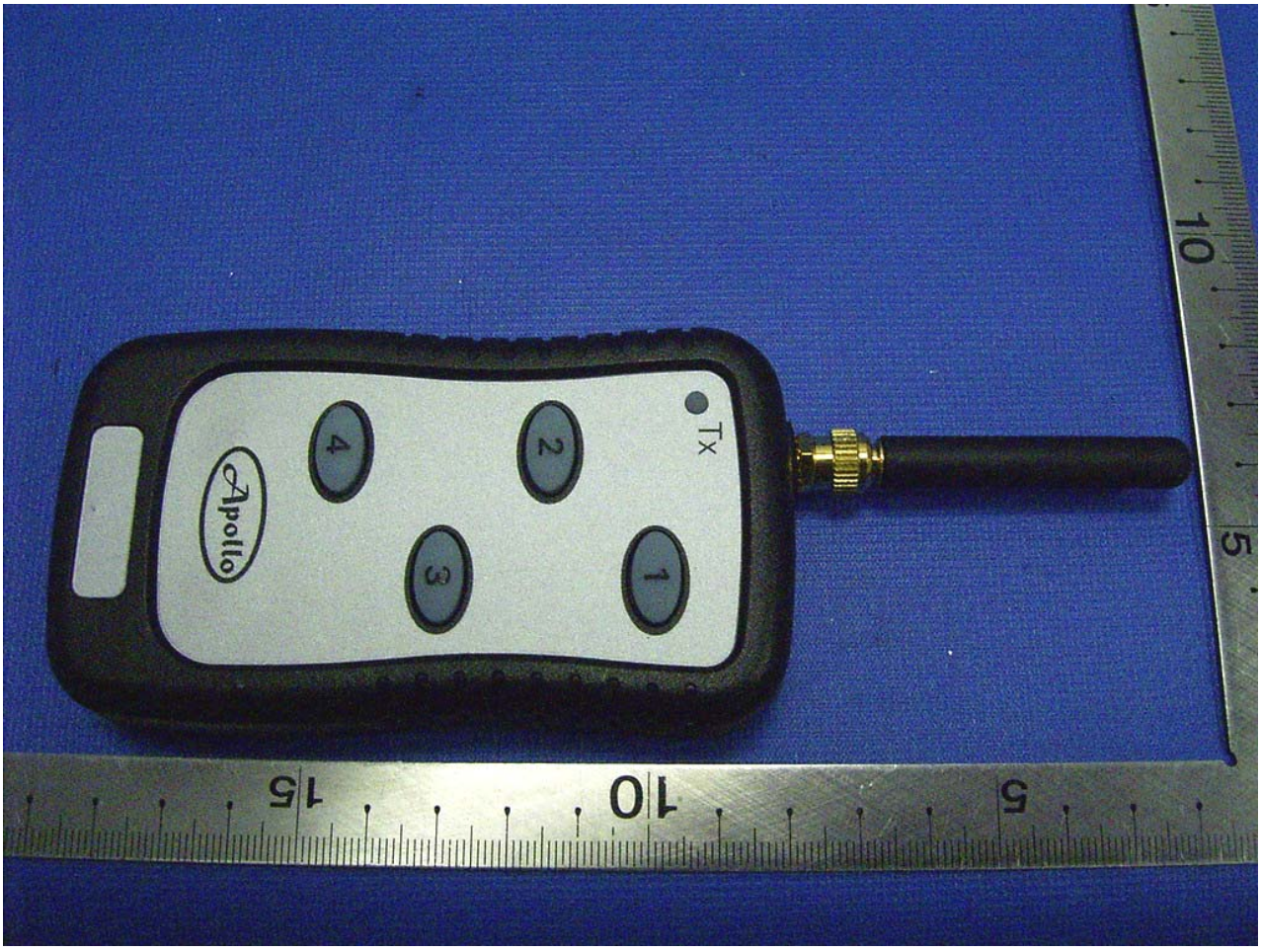
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Filed Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
(A) Limits for Occupational/Controlled Exposure				
0.3-3.0	614	1.63	100	6
3.0-30	1842/f	4.89/f	$900/f^2$	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	100	30
1.34-30	824/f	2.19/f	$180/f^2$	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

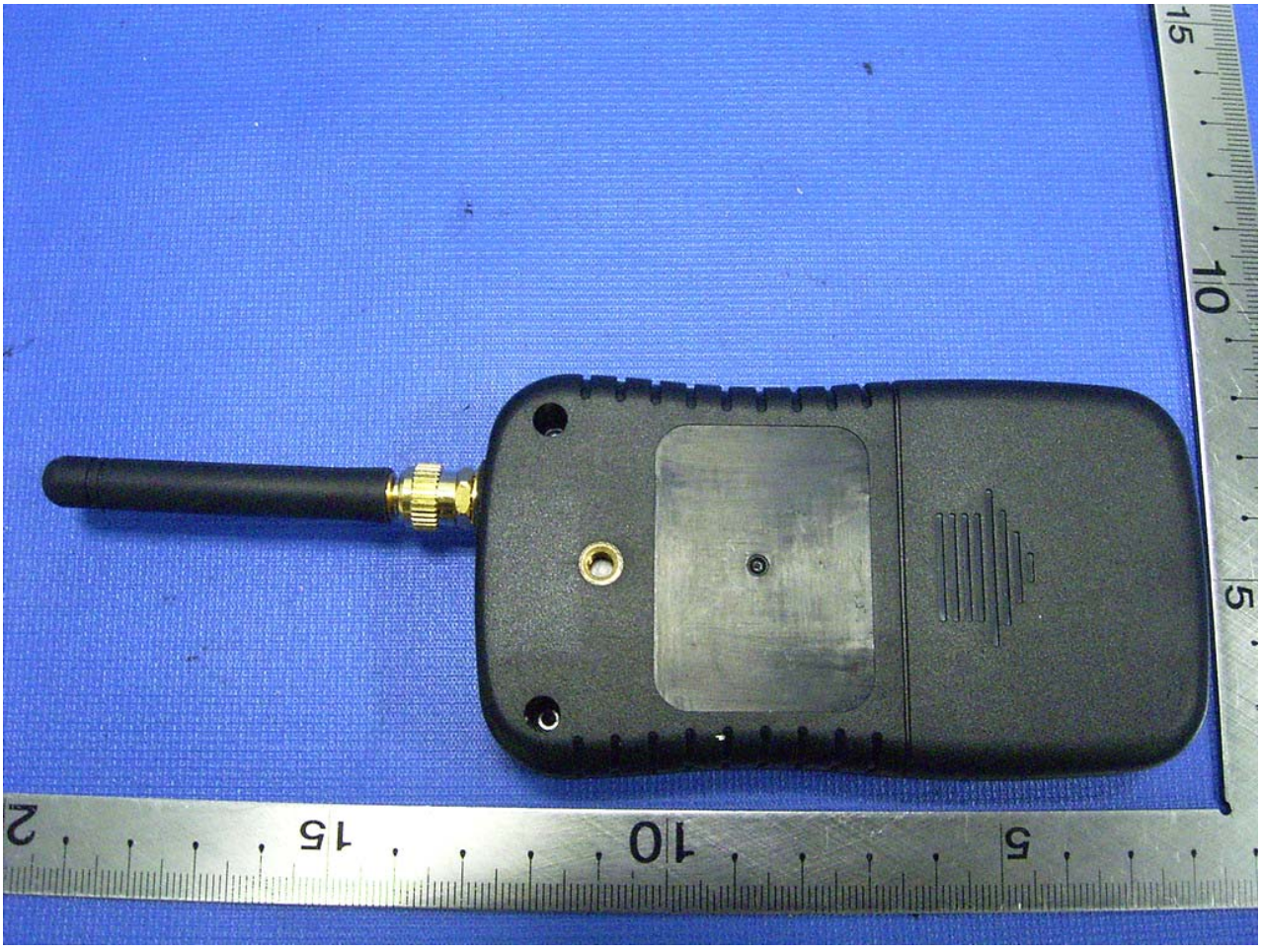
Tx

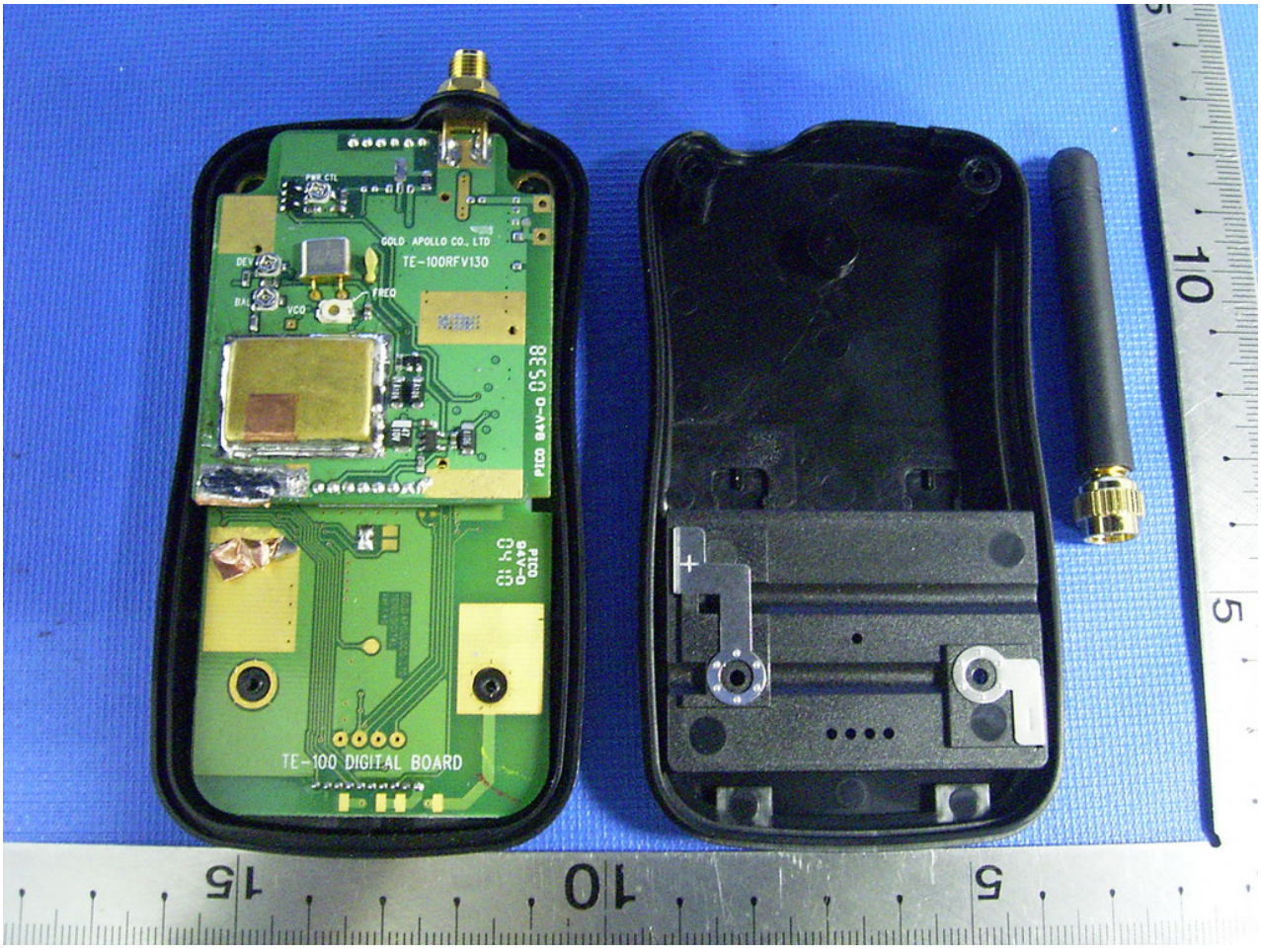
Tx
1
2
3
4
5
6
7
8
Apollo



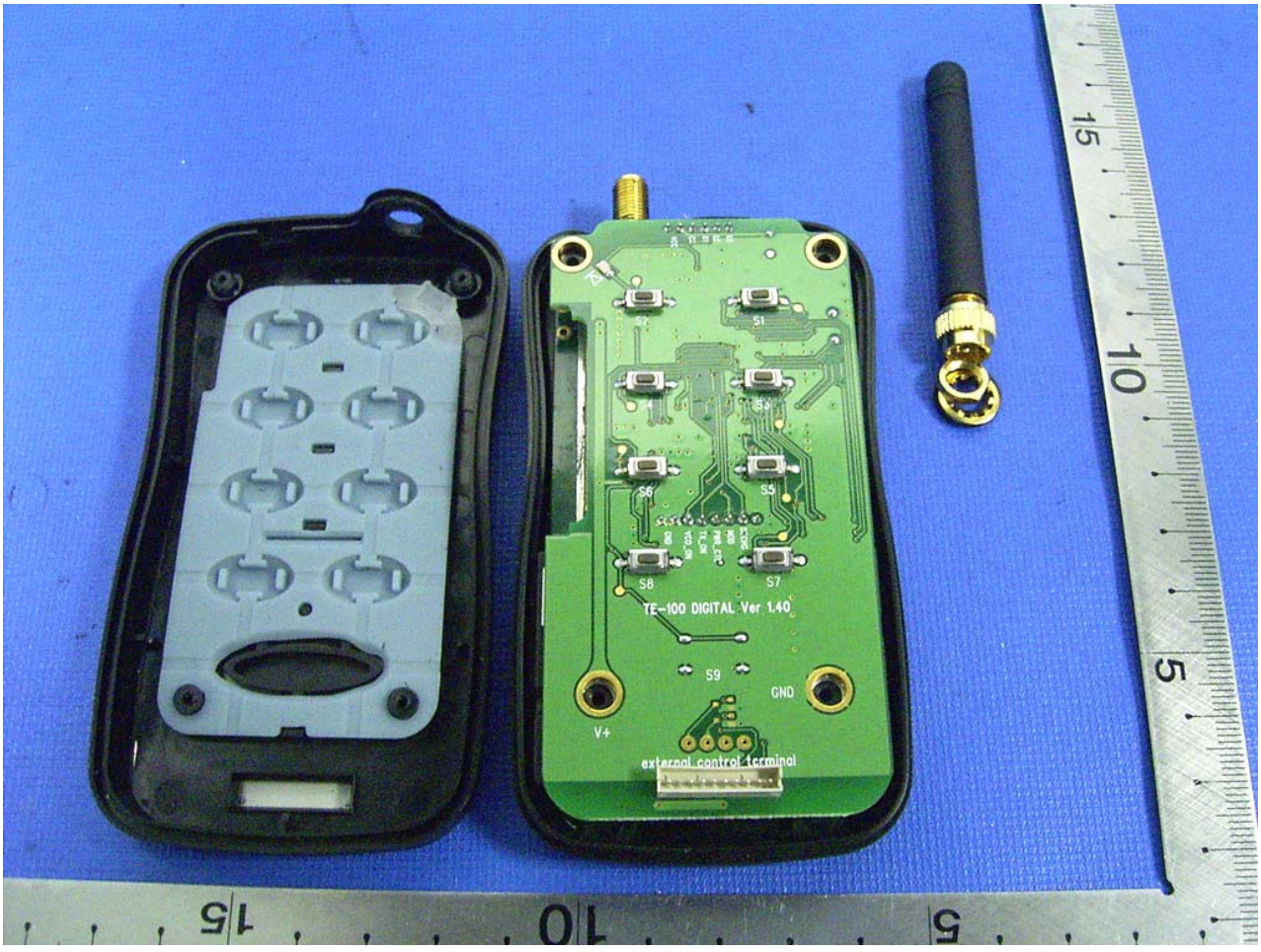
1
2
3
4
Tx

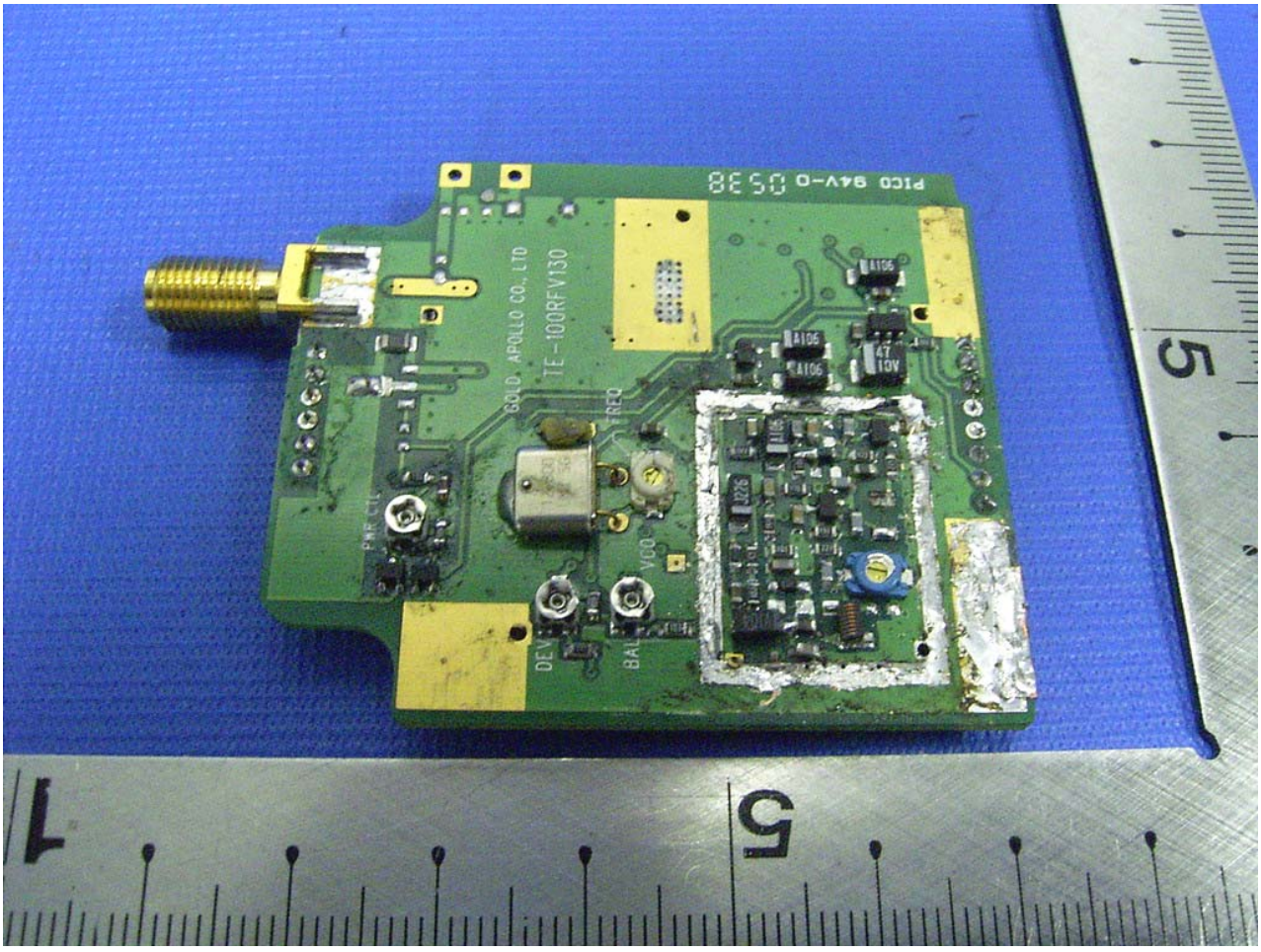

Apollo
4
2
3
1
Tx

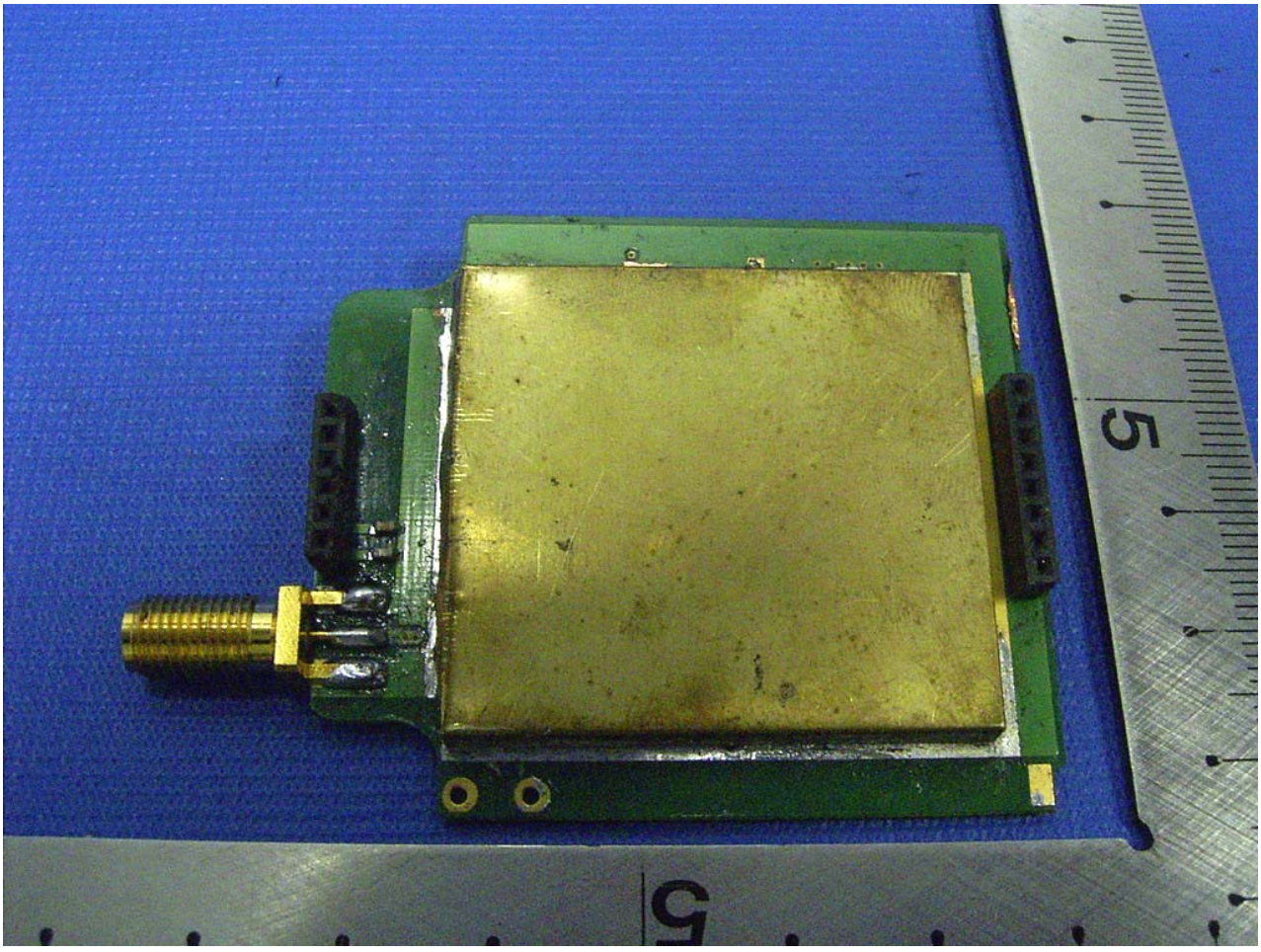


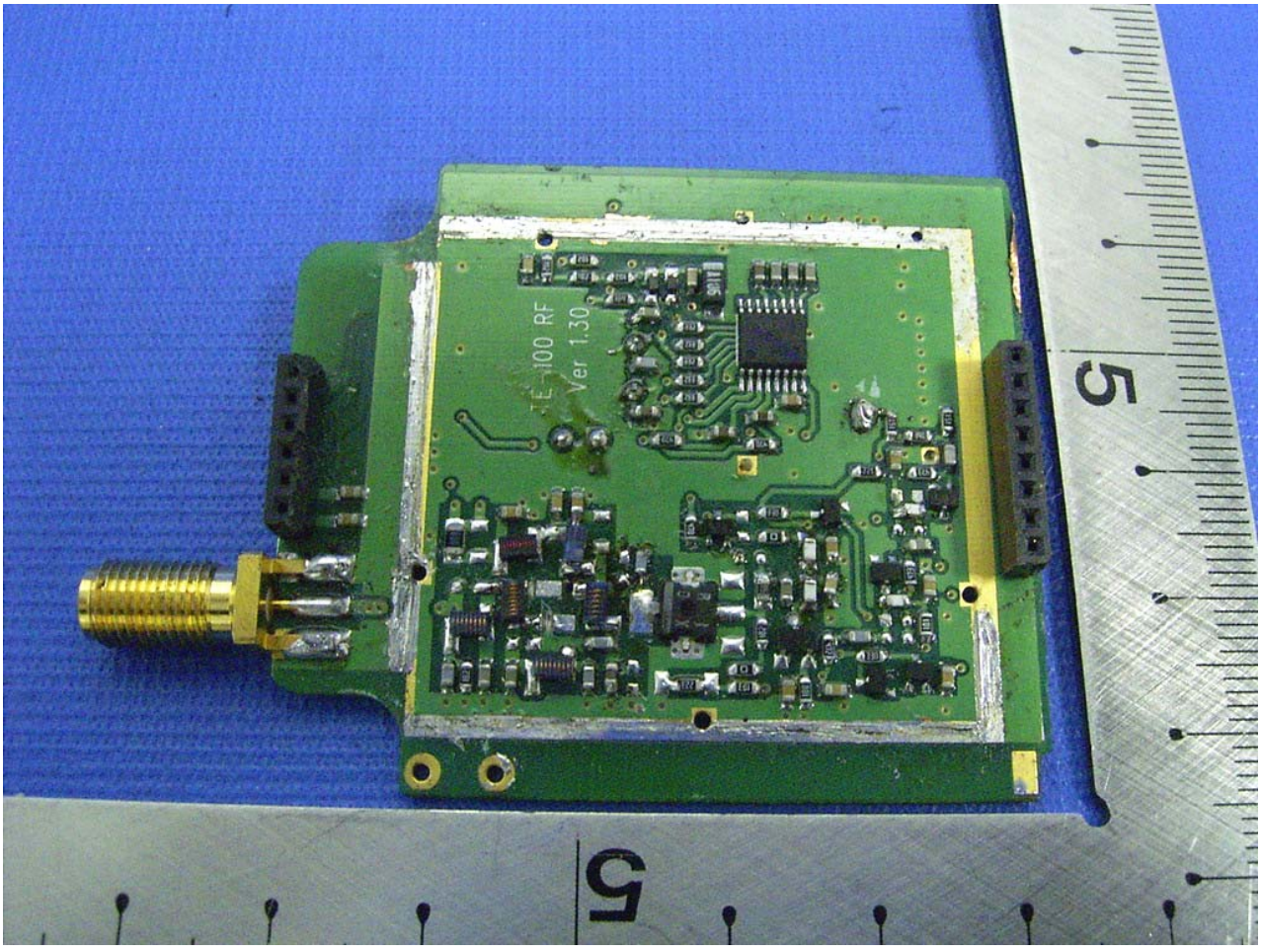

GOLD APOLLO CO., LTD
TE-100RFV130
TE-100 DIGITAL BOARD

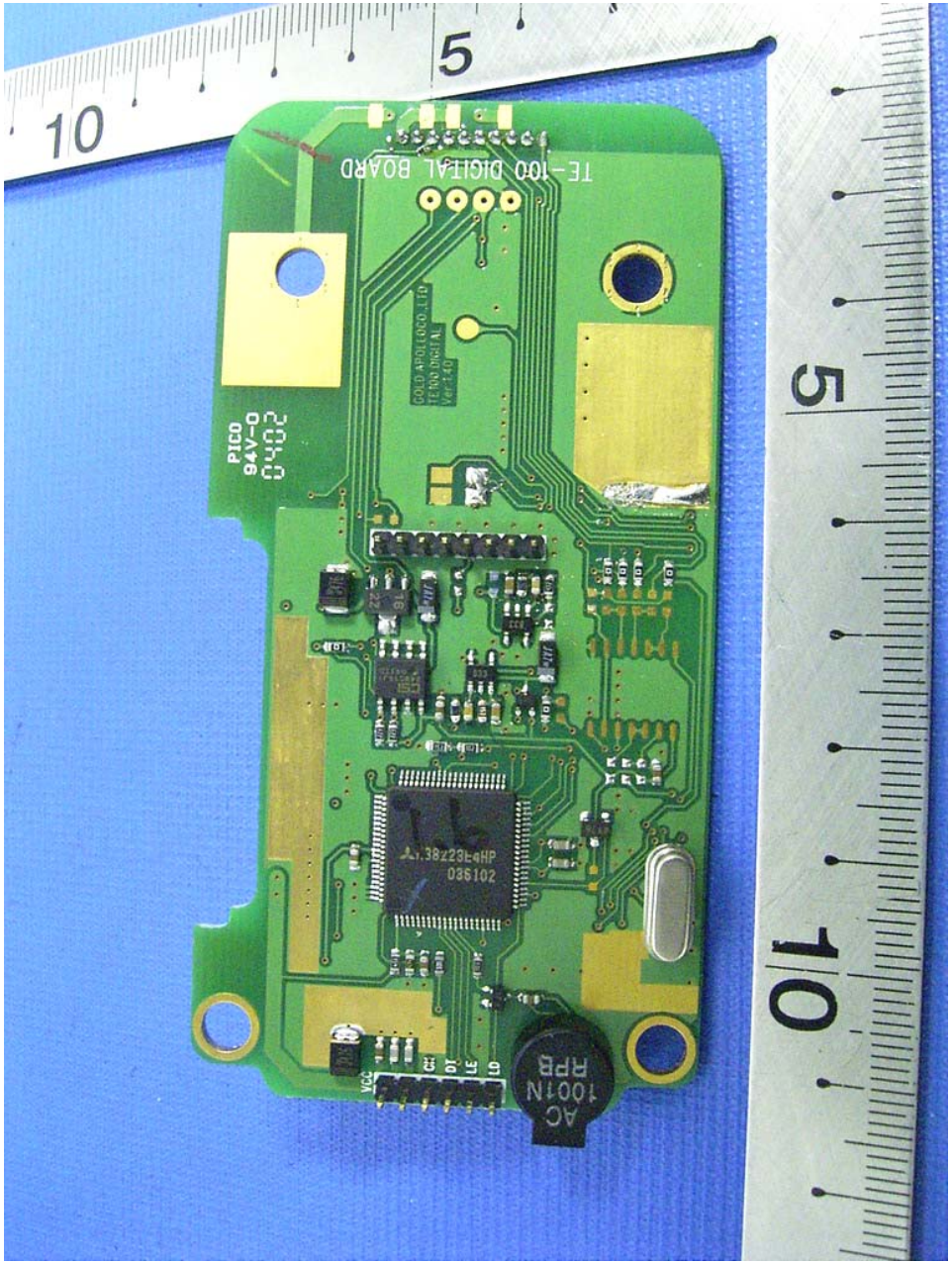
GOLD APOLLO CO., LTD
TE-100RFV130
TE-100 DIGITAL BOARD

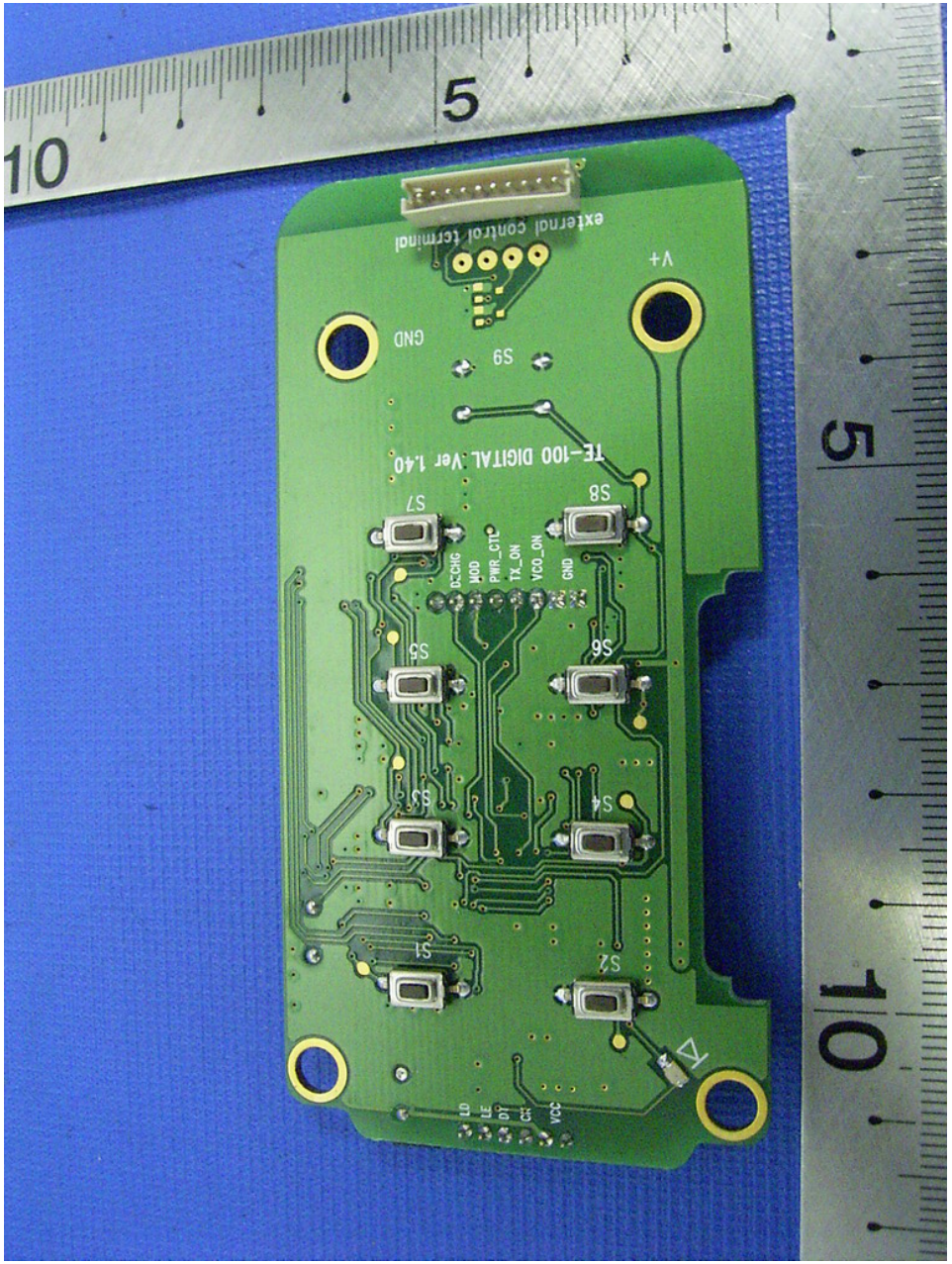

S1
S3
S6
S5
S8
S7
TE-100 DIGITAL Ver 1.40
S9
GND
V+
external control terminal


TE-100RFV130
A106
A106
A106
47
10V
5
5
7




JE-100 RF
Ver 1.30


TE-100 DIGITAL BOARD
PICO
94V-0
0402
AC
1001N
RPB
VCC
CE
DT
LE
LD

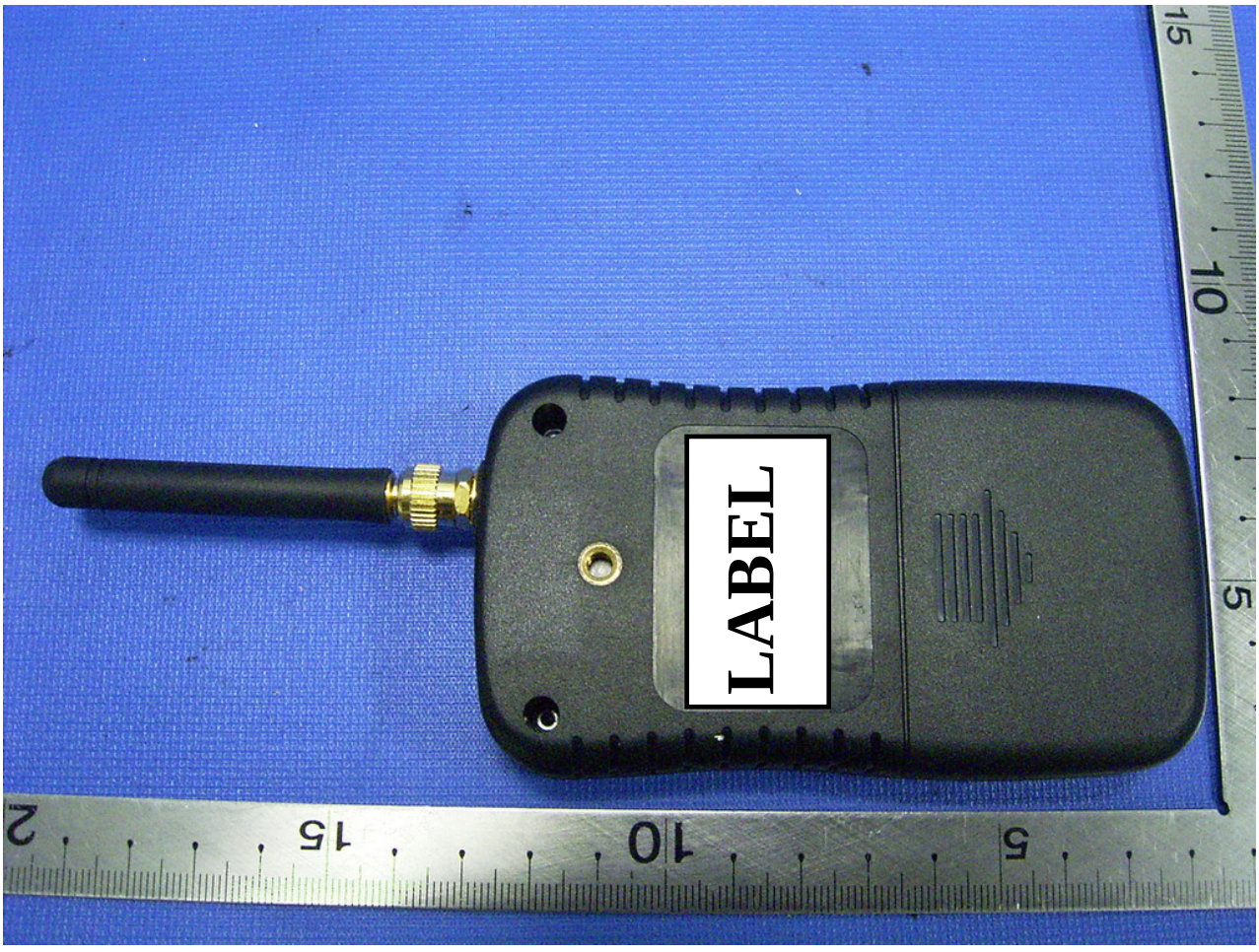

external control terminal
V+
GND
S9
TE-100 DIGITAL Ver 1.40
S7
S8
D-CHG
MOD
PWR_CTL
TX_ON
VCO_ON
GND
S5
S6
S3
S4
S1
S2
LD
LE
DT
CE
VCC

LABEL Format:

This device complies with Part 90 of the FCC Rules
Operation is subject to the following two conditions:

Tested to Comply
With FCC Standards

ModelNo.:TE-100
FREQ : 410-450 MHZ
FCCID : NDATX100XU2
GOLD APOLLO CO., LTD
MADE IN TAIWAN

LABEL Size: 60x 42 mm

LABEL Position: