1. Description of Equipment under Test

EUT Model	142HL8
Wireless technology and frequency range	Bluetooth 2.4 GHz, GFSK NFC 13.56 MHz, ASK (NFC A, NFC B)

2. RF Exposure Limits

According to ANSI/IEEE C95.1-1992, the criteria listed in Table 1 shall be used to evaluate the environmental impact of human exposure to radio frequency (RF) radiation as specified in §1.1310

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm^2)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f2)	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/f2)	30
30-300	27.5	0.073	0.2	30
300-1500			f/1500	30
1500-100,000			1.0	30

The MPE was calculated at 20 cm to show compliance with the power density limit.

The following formula was used to calculate the Power Density:

$$S = \frac{\mathrm{PG}}{4 * \pi * \mathrm{R}^2}$$

S = Power Density
P = Output Power at Antenna Terminals
G = Gain of Transmit Antenna (numerical gain)
R = Distance from Transmitting Antenna

3. Power Density Calculations

Band	Frequency (MHz)	Antenna gain (dBi)	Maximum power (dBm)	EIRP (dBm)	Total power (mW)	Power Density @ 20cm (mW/cm^2)	Limit (mW/cm^2)
Bluetooth (LE)	2402	3.77	N/A (EIRP measurement)	-7.3	0.186	0.00003	1
NFC	Exempt based on low power						