

# RF Exposure Evaluation Statement

**Product Name:** HAYLOU Freear

**Model No.:** Haylou 100

**FCC ID:** 2AMQ6-HAYLOU100

## 1.1 RF Exposure Compliance Requirement

### 1.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06  
Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### 1.1.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

$f(\text{GHz})$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion

### 1.1.3 EUT RF Exposure

Operational Mode: EDR (8-DPSK worst case)							
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power		Calculated value	Exclusion threshold	
			(dBm)	(mW)			
2402MHz	0.956	$\pm 1$	1.956	1.57	0.49	3.0	
2441MHz	1.464	$\pm 1$	2.464	1.76	0.55		
2480MHz	0.644	$\pm 1$	1.644	1.46	0.46		
Operational Mode: BLE 1M (worst case)							
2402	-3.043	$\pm 1$	-2.043	0.62	0.19	3.0	
2442	-2.408	$\pm 1$	-1.408	0.72	0.23		
2480	-3.309	$\pm 1$	-2.309	0.59	0.19		
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.							
Operational Mode: BLE 2M (worst case)							
2402	-3.088	$\pm 1$	-2.088	0.62	0.19	3.0	
2442	-2.385	$\pm 1$	-1.385	0.73	0.23		
2480	-3.287	$\pm 1$	-2.287	0.59	0.19		
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.							