

**FCC ID: 2A8UH-HTR**

Portable device

According to §15.247(e)(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to KDB447498 D01 General RF Exposure Guidance V06

The 1-g SAR 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
- The result is rounded to one decimal place for comparison

When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion.

EDR:

Modulation	Channel Freq. (GHz)	Conduct ed power (dBm)	Conducte d power (mW)	Tune-up power (dBm)	Max tune-up power (dBm)	Max tune-up power (mW)	Distance (mm)	Result calculatio n	SAR Exclusion threshold	SAR test exclusion
GFSK	2.402	2.045	1.60	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	1.381	1.37	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	0.123	1.03	0±1	1.00	1.26	<5	0.39651	3.00	YES
π /4DQPSK	2.402	2.591	1.82	2±1	3.00	2.00	<5	0.61847	3.00	YES
	2.441	1.998	1.58	1±1	2.00	1.58	<5	0.49524	3.00	YES
	2.480	0.763	1.19	0±1	1.00	1.26	<5	0.39651	3.00	YES
8DQPSK	2.402	3.224	2.10	3±1	4.00	2.51	<5	0.77860	3.00	YES
	2.441	2.636	1.83	2±1	3.00	2.00	<5	0.62347	3.00	YES
	2.480	1.335	1.36	1±1	2.00	1.58	<5	0.49918	3.00	YES

**Conclusion:**

For the max result :  $0.77860 \leq$  FCC Limit 3.0 for 1g SAR.