## **RF EXPOSURE TEST** FCC ID: **2AGV9-K3**

SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and  $\leq$  50 mm

Approximate SAR Test Exclusion Power Thresholds at Selected Frequencies and Test Separation Distances are illustrated in the following Table.

MHz 5 10 15 20 25 mm   150 39 77 116 155 194   300 27 55 82 110 137   450 22 45 67 89 112   835 16 33 49 66 82   900 16 32 47 63 79   1500 12 24 37 49 61 SAR Test Exclusion
300 27 55 82 110 137   450 22 45 67 89 112   835 16 33 49 66 82   900 16 32 47 63 79   1500 12 24 37 49 61 SAR Test Exclusion
450 22 45 67 89 112   835 16 33 49 66 82   900 16 32 47 63 79   1500 12 24 37 49 61 SAR Test Exclusion
835 16 33 49 66 82   900 16 32 47 63 79   1500 12 24 37 49 61 SAR Test Exclusion
900 16 32 47 63 79   1500 12 24 37 49 61 SAR Test Exclusion
1500 12 24 37 49 61 SAR Test Exclusion
1500 12 24 57 49 61 Exclusion
EACIUSION
1900 11 22 33 44 54 Threshold (m
<b>2450</b> 10 19 29 38 48
<u>3600</u> 8 16 24 32 40
<u>5200</u> 7 13 20 26 33
<u>5400</u> 6 13 19 26 32
<u>5800</u> 6 12 19 25 31
MHz 30 35 40 45 50 mm
<b>150 232 271 310 349 387</b>
<u>300</u> 164 192 219 246 274
300 164 192 219 246 274   450 134 157 179 201 224
450 134 157 179 201 224   835 98 115 131 148 164   900 95 111 126 142 158
450 134 157 179 201 224   835 98 115 131 148 164   900 95 111 126 142 158   1500 73 86 98 110 122 SAR Test
450 134 157 179 201 224   835 98 115 131 148 164   900 95 111 126 142 158   1500 73 86 98 110 122   1000 65 76 87 08 100
450 134 157 179 201 224   835 98 115 131 148 164   900 95 111 126 142 158   1500 73 86 98 110 122
450 134 157 179 201 224   835 98 115 131 148 164   900 95 111 126 142 158   1500 73 86 98 110 122   1900 65 76 87 98 109
450 134 157 179 201 224   835 98 115 131 148 164   900 95 111 126 142 158   1500 73 86 98 110 122   1900 65 76 87 98 109   2450 57 67 77 86 96
450 134 157 179 201 224   835 98 115 131 148 164   900 95 111 126 142 158   1500 73 86 98 110 122   1900 65 76 87 98 109   2450 57 67 77 86 96   3600 47 55 63 71 79

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:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] ·

 $[\sqrt{f_{(GHz)}}] \le 3.0$  for 1-g SAR and  $\le 7.5$  for 10-g extremity SAR, 16 where

 $f_{(GHz)}$  is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation17

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.

**BT 2.1+EDR** 

Channel	Frequency (MHz)	PK Output Power (dBm)	PK Output Power (mW)	Limit (dBm)
CH0 (GFSK)	2402	2.19	1.66	21

The BT max.output power E.I.R.P is 2.19dBm=1.66mW, Frequency is 2.402GHz So  $(1.66/5)*\sqrt{2.402=0.515\leq 3.0}$ Note:  $\sqrt{2.402}=1.550$ **Conclusion:** No SAR is required.