

RF EXPOSURE EVALUATION

FCC ID: 2BFAJKM8426

According to KDB 447498 D01 Mobile and Portable Devices RF Exposure Procedures and Equipment Authorization Policies v06.

According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency(RF) Radiation as specified in §1.1307(b):

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 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 ≤ 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 ≤ 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.

Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

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Channel	Maximum output	Tune up	Max Tune Up	Distanc	Calculation	Limit	Operating
(MHz)	power(dBm)	tolerance(dBm)	Power (dBm)	e(mm)	results	Limit	Mode
2402	3.12	3.12 ±1	4.120	5	0.800	And 3 tel	Anbe
2441	3.45	3.45 ±1	4.450	⁵ 5	0.871	3,00	GFSK
2480	3.54	3.54 ±1	4.540	Anb5	0.896	3	ootek Ar
2402	3.9	3.9 ±1	4.900	500te	0.958	3	π/4-DQPS K
2441	4.22	4.22 ±1	5.220	5	1.039	3	
2480	4.28	4.28 ±1	5.280	5	1.062	3	
2402	4.33	4.33 ±1	5.330	5	1.058	Anta ie	VUD
2441	4.62	4.62 ±1	5.620	5	1.140	3bot	8DPSK
2480	4.72	4.72 ±1	5.720	Anb 5	1.176	3	
2402	-1.76	-1.76 ±1	-0.760	,5 of ex	0.260	3	aborek
2440	-2.27	-2.27 ±1	-1.270	5 _{nbo}	0.233	3	BLE_1M
2480	-2.73	-2.73 ±1	-1.730	5	0.211	3	An. Hotek
2402	-1.60	-1.60 ±1	-0.600	5	0.270	Anb 3	V Pur
2440	-2.12	-2.12 ±1	-1.120	5	0.241	A3oote	BLE_2M
2480	-2.59	-2.59 ±1	-1.590	unbolo	0.218	3 Ant	otek Ant

Result: No Standalone SAR test is required.



