

RF EXPOSURE EVALUATION

FCC ID: 2A6K7-K21

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)] $\cdot [\sqrt{f_{(GHz)}}] \le 3.0$ 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.

Channel (MHz)	Maximum output power (dBm)	Max Tune Up Power (dBm)	Distance (mm)	Calculation results	Limit Anbot	Operating Mode
2402	2.79	3.00	5	0.618	3 M	Doin Will
2440	2.42	3.00	5 Anba	0.623	otek 3	BLE
2480	1.67	3.00	ofer 5 Ar	0.628	mbo 3	
2412	9.29	9.70	inbore 5	2.899	An 3 rek	802.11b
2437	9.28	9.70	Anb Steam	2.914	3 _{nbote}	
2462	9.23	9.70	150° res	2.929	4 3 _{ant}	
2412	9.15	9.70	5 Anbot	2.899	otek 3	Anbotek A
2437	9.45	9.70	otek 5 An	2.914	3	802.11g
2462	8.98	9.70	nbotel 5	2.929	3,01	Anbotek
2412	9.46	9.70	nbc5°k	2.899	3 bote	K Anborek
2437	8.95	9.70	5 of ex	2.914	3	802.11n20
2462	9.41	9.70	5 Anbore	2.929	3	abotek Ar
2422	otek 9.11.nbote	9.70	rek 5 Ant	2.905	3	anbotek
2437	9.52	9.70	notek5	2.914	3	802.11n40
2452	9.22	9.70	, 5 ^k	2.923	Anbo.	, anbotek

The BLE and WiFi 2.4G cannot simultaneous transmission.

Result: No Standalone SAR test is required.





