

RF exposure

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 № to 6 № at test separation distances ≤ 50 mm are determined by:

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

Where;

f(Hz) is the RF channel transmit frequency in Hz

Power and distance are rounded to the nearest www and mm before calculation

The result is rounded to one decimal place for comparison

Results - Wi-Fi

- 802.11b

Ī	Frequency (強) Distance		Max tune-up power (dBm)		Calculation	Exclusion
	Trequency (MZ)	(mm)	(dB m)	(mW)	value	Threshold
	2.412	5	5.0	3.0	1.0	≤3.0
	2.437	5	5.0	3.0	1.0	≤3.0
	2.462	5	5.0	3.0	1.0	≤3.0

- 802.11a

Distance		Max tune-up power (dBm)		Calculation	Exclusion
Frequency ((III) (mm)	(dBm)	(mW)	value	Threshold	
2.412	5	7.0	5.0	1.6	≤3.0
2.437	5	7.0	5.0	1.6	≤3.0
2.462	5	7.0	5.0	1.6	≤3.0

- 802.11n(HT20)

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	Frequency (砒)	Distance	Max tune-up power (dBm)		Calculation	Exclusion
		(mm)	(dB m)	(mW)	value	Threshold
	2.412	5	7.0	5.0	1.6	≤3.0
	2.437	5	7.0	5.0	1.6	≤3.0
	2.462	5	7.0	5.0	1.6	≤3.0

- 802.11a

Eraguanay (CL) Distance		Max tune-up power (dBm)		Calculation	Exclusion
Frequency (础)	(mm)	(dB m)	(Wm)	value	Threshold
5.180	5	5.0	3.0	1.4	≤3.0
5.220	5	5.0	3.0	1.4	≤3.0
5.240	5	5.0	3.0	1.4	≤3.0

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- 802.11a(HT20)

Fraguency (%)	Distance	Distance Max tune-up		Calculation	Exclusion	
Frequency (础)	(mm)	(dBm)	(mW)	value	Threshold	
5.180	5	5.0	3.0	1.4	≤3.0	
5.220	5	5.0	3.0	1.4	≤3.0	
5.240	5	5.0	3.0	1.4	≤3.0	

- 802.11a

Frequency (强)		Max tune-up power (dBm)		Calculation	Exclusion
r requericy (uz)	(mm)	(dB m)	(mW)	value	Threshold
5.725	5	2.0	2.0	1.0	≤3.0
5.785	5	2.0	2.0	1.0	≤3.0
5.825	5	2.0	2.0	1.0	≤3.0

- 802.11a

Frequency (趾)	Distance	Max tune-up	power (dBm)	Calculation	Exclusion
r requericy (uz)	(mm)	(dB m)	(mW)	value	Threshold
5.725	5	2.0	2.0	1.0	≤3.0
5.785	5	2.0	2.0	1.0	≤3.0
5.825	5	2.0	2.0	1.0	≤3.0

Results - Bluetooth 3.0

- BDR (1Mbps)

Eraguanay (Clk) Distance		Max tune-up power (dBm)		Calculation	Exclusion
Frequency (砒)	(mm)	(dB m)	(Wm)	value	Threshold
2.402	5	-5.0	0.3	0.1	≤3.0
2.441	5	-5.0	0.3	0.1	≤3.0
2.480	5	-5.0	0.3	0.1	≤3.0

- EDR (2Mbps)

Fraguency (Cla)	Distance	Max tune-up power (dBm)		Calculation	Exclusion
Frequency (础)	(mm)	(dB m)	(mW)	value	Threshold
2.402	5	-7.0	0.2	0.1	≤3.0
2.441	5	-7.0	0.2	0.1	≤3.0
2.480	5	-7.0	0.2	0.1	≤3.0

- EDR (3Mbps)

	Frequency (砒)	Distance	Max tune-up power (dBm)		Calculation	Exclusion
		(mm)	(dB m)	(mW)	value	Threshold
	2.402	5	-7.0	0.2	0.1	≤3.0
	2.441	5	-7.0	0.2	0.1	≤3.0
	2.480	5	-7.0	0.2	0.1	≤3.0

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Results – Bluetooth 4.0 (1Mbps)

Frequency (趾)	Distance	Max tune-up power (dBm)		Calculation	Exclusion
	(mm)	(dB m)	(mW)	value	Threshold
2.402	5	3.0	2.0	1.0	≤3.0
2.442	5	3.0	2.0	1.0	≤3.0
2.480	5	3.0	2.0	1.0	≤3.0

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