

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)]

 $\cdot [\sqrt{f(\mathbb{G}_{\mathbb{Z}})}] \le 3.0 \text{ for } 1\text{-}g \text{ SAR} \text{ and } \le 7.5 \text{ for } 10\text{-}g \text{ extremity SAR},$

Where;

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

Power and distance are rounded to the nearest $\, \mathrm{m\!W} \,$ and $\, mm \,$ before calculation

The result is rounded to one decimal place for comparison

Results - Wi-Fi

- 802.11b

Frequency (趾) Distance		Max tune-up	Max tune-up power (dBm)		Exclusion
Frequency (wz)	(mm)	(dB m)	(mW)	value	Threshold
2.412	5	8.0	6.3	2.0	≤3.0
2.437	5	8.0	6.3	2.0	≤3.0
2.462	5	8.0	6.3	2.0	≤3.0

- 802.11a

Fraguency (%)	Distance	Max tune-up	power (dBm)	Calculation	Exclusion
Frequency (础)	(mm)	(dB m)	(mW)	value	Threshold
2.412	5	8.0	6.3	2.0	≤3.0
2.437	5	8.0	6.3	2.0	≤3.0
2.462	5	8.0	6.3	2.0	≤3.0

- 802.11n(HT20)

	002.1111(11120)					
	Frequency (趾)	Distance	Max tune-up power (dBm)		Calculation	Exclusion
rrequeri	Frequency (wz)	(mm)	(dB m)	(mW)	value	Threshold
	2.412	5	6.0	4.0	1.2	≤3.0
	2.437	5	6.0	4.0	1.2	≤3.0
	2.462	5	6.0	4.0	1.3	≤3.0

- 802.11a

	Eroguanov (Sk) Distance		Max tune-up power (dBm)		Calculation	Exclusion
	Frequency (趾) (mm)	(mm)	(dB m)	(mW)	value	Threshold
	5.180	5	5.0	3.2	1.4	≤3.0
	5.220	5	5.0	3.2	1.4	≤3.0
	5.240	5	5.0	3.2	1.5	≤3.0

FCC ID: XYCASM Page 1 of 2



- 802.11an(HT20)

Frequency (础)	Eroguanov (Nla)	Distance	Max tune-up power (dBm)		Calculation	Exclusion
	(mm)	(dB m)	(mW)	value	Threshold	
	5.180	5	5.0	3.2	1.4	≤3.0
	5.220	5	5.0	3.2	1.4	≤3.0
	5.240	5	5.0	3.2	1.5	≤3.0

Results - Bluetooth 3.0

- BDR (1Mbps)

Frequency (۩)		Max tune-up	Max tune-up power (dBm)		Exclusion	
(mm)	(mm)	(dB m)	(mW)	value	Threshold	
2.4	402	5	-7.0	0.2	0.1	≤3.0
2.4	441	5	-8.0	0.2	0.1	≤3.0
2.4	480	5	-10.0	0.1	0.1	≤3.0

- EDR (2Mbps)

Frequency (趾) Distance		Max tune-up	Max tune-up power (dBm)		Exclusion
Frequency (wz)	(mm)	(dB m)	(mW)	value	Threshold
2.402	5	-14.0	0.1	0.1	≤3.0
2.441	5	-14.0	0.1	0.1	≤3.0
2.480	5	-14.0	0.1	0.1	≤3.0

- EDR (3Mbps)

- LDIX (SIVIDPS)					
Fraguency (NL)	Distance	Max tune-up	power (dBm)	Calculation	Exclusion
Frequency (础)	(mm)	(dB m)	(mW)	value	Threshold
2.402	5	-14.0	0.1	0.1	≤3.0
2.441	5	-14.0	0.1	0.1	≤3.0
2.480	5	-14.0	0.1	0.1	≤3.0

Results - Bluetooth 4.0 (1Mbps)

Dista	Distance	Max tune-up power (dBm)		Calculation	Exclusion
Frequency (础)	(mm)	(dB m)	(mW)	value	Threshold
2.402	5	6.0	4.0	1.2	≤3.0
2.442	5	6.0	4.0	1.2	≤3.0
2.480	5	6.0	4.0	1.3	≤3.0

FCC ID: XYCASM Page 2 of 2