



FCC RF Exposure

EUT Description: Full Duplex Wireless Intercom Headset System

ModelNo.:Xtalk Master, Xtalk Master Plus, Xtalk Master Hub, Xtalk Master Node,

Xtalk Master Fusion, Xtalk Fusion, Xtalk Master Axis,

Xtalk Axis,Xtalk Master Trio,Xtalk Trio,Xtalk Master Base

FCC ID: 2AXWL-XM001

Equipment type: Portable devices

According to KDB 447498 D01 General RF Exposure Guidance v06 and part 2.1093, Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numericasimulation, is not required when the corresponding SAR Test Exclusion Thresholdocondition(s), listed below, is (are) satisfied.

For 100 MHz to 6 GHz and test separation distances < 50 mm, the 1-g and 10-g SAR testexclusion thresholds are determined by the following:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance mm})] \cdot [f(\text{GHz})] < 3.0$ for 1-g SAR, and $s 7.5$ for 10-g extremity SAR, where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

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

The result is rounded to one decimal place for comparison

2.4G SRD

$EIRP = E_{Meas} + 20 \log(d_{meas}) - 104.7$

EIRP is the equivalent isotropically radiated power,

E_{Meas} in dBm is the field strength of the emission at the measurement distance, in dB u V/m

d_{meas} is the measurement distance, in m

ANT A

Field strength(dBuV/m)	EIRP(dBm)	Max tune-up(mW)	Frequency(MHz)	Min. distance(mm)	Calc. thresholds	limit
95.41	0.25	1.0593	2402	5	0.3283	3.0
93.94	-1.22	0.7551	2440	5	0.2359	3.0
96.75	1.59	1.4421	2480	5	0.4542	3.0

ANT B

Field strength(dBuV/m)	EIRP(dBm)	Max tune-up(mW)	Frequency(MHz)	Min. distance(mm)	Calc. thresholds	limit
93.83	-1.33	0.7362	2402	5	0.2282	3.0
92.36	-2.80	0.5248	2440	5	0.1640	3.0
95.17	0.01	1.0023	2480	5	0.3157	3.0

Conclusion: No SAR is required