China

10 Appendix A - General Product Information

Radiofrequency radiation exposure evaluation

This exposure evaluation is intended for **FCC ID: 2APUWHUS**

According to KDB 447498 D01v06 section 4.3.1, For frequencies between 100 MHz to 6GHz and test separation distances ≤ 50 mm, the Numeric threshold is determined as:

Step a)
[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 for 1-g SAR

>> The fundamental frequency of the EUT is 2457MHz,
the test separation distance is ≤ 50mm.
(Manufacturer specified the separation distance is: 5mm)
(5mm is the worst case according to the KDB)

Step b)
>> Numeric threshold (2457MHz), mW / 5mm * √2.457GHz ≤ 3.0
Numeric threshold (2457MHz) ≤ 9.569mW

>> The power (calculated power + tune up tolerance) of EUT at 2457MHz is: 1.26mW
Which is smaller than the Numeric threshold.
Therefore, the device is exempt from stand-alone SAR test requirements.

Power calculation (According to C63.10 chapter 9.5)

	Value	Unit
Field Strength Measured (E)	96.15	dBµV/m
Measurement Distance (D)	3	m
Equivalent Isotropically Radiated Power (E.I.R.P in dBm)	0.992	dBm
Equivalent Isotropically Radiated Power (E.I.R.P in mW)	1.26	mW

Remark: EIRP = E + 20log(D) −104.7
(EIRP is in dBm, E is in dBµV/m, D is in metres)

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