Product Description: DUPLEX DS-12 Model No.: DUPLEX DS-12 FCC ID: 2AW4Z-DUPLEXDS12

According to the KDB 447498 D01 v06 section 4.3.1, for 100 MHz to 6 GHz and test separation distances \leq 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(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, where

- f(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

Calculation Result:

2.4G: SRD

Tx frequency range: 2405MHz - 2480MHz Min. test separation distance: 5mm Maximum Conducted Output Power: 7.89dBm Tune-Up output power: 8dBm RF channel transmit frequency: 2405MHz Result: 1.96 Limit: 3.0

900MHz: SRD(F1)

Tx frequency range: 902.5-927.7MHz Min. test separation distance: 5mm Maximum Conducted Output Power: 1.78dBm Tune-Up output power: 2dBm RF channel transmit frequency: 902.5MHz Result: 1.20 Limit: 3.0

900MHz: SRD(L1 F7/ L2 SF6)

Tx frequency range: 902.5-927.3MHz Min. test separation distance: 5mm Maximum Conducted Output Power: 1.77dBm Tune-Up output power: 2dBm RF channel transmit frequency: 902.5MHz Result: 1.20 Limit: 3.0 SRD: 2.4G and SRD: 900MHz can't transmit at the same time.so the transmitter complies with the RF exposure requirements and the SAR is not required.