INTERTEK TESTING SERVICES

Radio Frequency Radiation Exposure, FCC Rule 15.247(i):

The EUT is a Wireless Speaker.

According to the DA 00-705 and KDB 447498,

The power thresholds for source-based time-averaging conducted output power (in the worst-case duty cycle of DH5 of GFSK modulation type)

```
= 1.75*(T_{on}/(T_{on}+T_{off})) mW < 1.75mW, since (T_{on}/(T_{on}+T_{off})) < 1
```

The power thresholds for source-based time-averaging radiated output power (The worst-case radiated emission is $97.3dB\mu V/m$ at 3m in GFSK modulation type)

```
= [(FS*D) ^2 / 30]*(T_{on}/ (T_{on}+T_{off})) mW
= 1.611*(T_{on}/ (T_{on}+T_{off})) mW
< 1.611mW, since (T_{on}/ (T_{on}+T_{off})) < 1
```

And SAR Low Threshold Level: 60/f (GHz) = 60/2.45 = 24.5 mW = 13.9 dBm

Since the source-based time-averaging conducted output power and radiated output power is well below the SAR low threshold level, so the EUT is considered to comply with SAR requirement without testing.

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