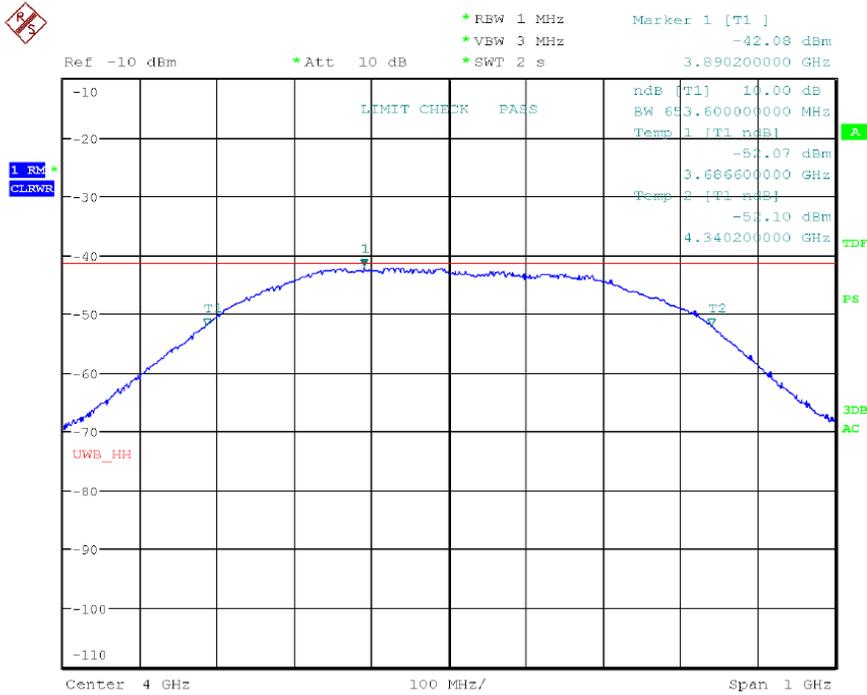


RF EXPOSURE EXHIBIT

EQUIPMENT UNDER TEST: UWB VITALS MEASUREMENT DEVICE
MODEL NUMBER: S7 VECTOR TAG
FCC ID: 2ADAL-S7401

Integrated power between 10dB points: 0.033 mW (-14.8 dBm)

Radiated Emissions (3.5GHz – 4.5GHz) – Horizontal
Test Distance = 1 meter



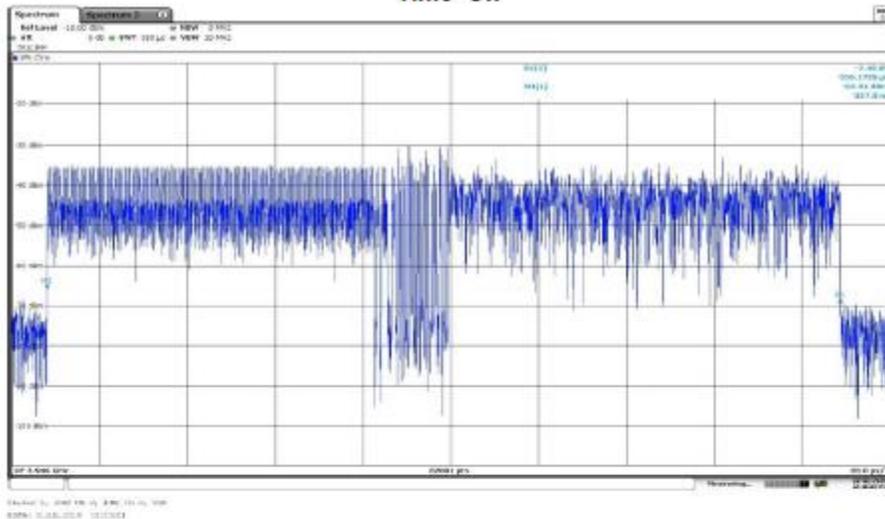
RF EXPOSURE EXHIBIT

Duty Cycle: 0.316%

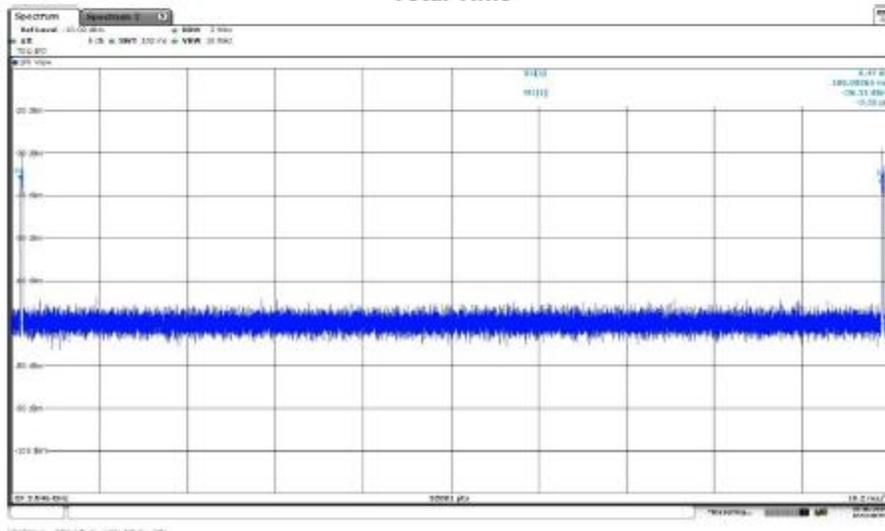
Calculation: Time 'On' / (Time 'On' + Time 'Off')

$$0.316 \text{ ms} / (0.316 \text{ ms} + 99.6 \text{ ms}) = 0.316\%$$

Time 'On'



Total Time



| Parameter | Observed Value |
|-----------------------------|----------------|
| Maximum transmitter on time | 0.316 ms |
| Mean transmitter off time | ≥ 99.6 ms |

RF EXPOSURE EXHIBIT

Source based time-average power: 0.0001038 mW (-39.8 dBm)

Calculation: Integrated power * Duty Cycle
 0.033 mW * 0.316% = 0.0001038 mW

SAR Exclusion: **SAR testing is not required**

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SAR test exclusion calculations

Section 4.3: General SAR test exclusion guidance / Section 4.3.1: Standalone SAR test exclusion considerations

| | Input | Select Units |
|---------------------------------|--------|--------------|
| Max Power: | -39.84 | dBm |
| Min separation distance: | 0 | mm |
| Frequency, f: | 4 | GHz |

| Value reference Number | Values used for Calculation | | Reference number definition |
|------------------------|-----------------------------|----|---|
| v1 | 0 | mW | [max. power of channel, including tune-up tolerance, mW] 'Rounded to nearest mW |
| v2 | 5 | mm | [min. test separation distance, mm] 'Rounded to nearest mm |
| v3 | 2.000 | | [√f(GHz)] |

- a) For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:
 $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR, and ≤ 7.5 for 10-g extremity SAR,

| | | | |
|--------------------------|------|----|----------------------|
| 1g Exclusion Threshold: | 7.5 | mW | $\leq 3 * v2 / v3$ |
| 10g Exclusion Threshold: | 18.8 | mW | $\leq 7.5 * v2 / v3$ |

| | | | |
|---------------------|--|--|--|
| Conclusions: | The EUT max power is BELOW the threshold. SAR Testing is NOT required for Body applications | | |
| | The EUT max power is BELOW the threshold. SAR Testing is NOT required for Extremity applications | | |