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Absatz <i>Clause</i>	Anforderungen - Prüfungen / <i>Requirements - Tests</i>	Messergebnisse – Bemerkungen/ <i>Measuring results - Remarks</i>	Ergebnis <i>Result</i>	

Appendix 5

RF Exposure Information

FCC ID: 2AVOQ04

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Absatz <i>Clause</i>	Anforderungen - Prüfungen / <i>Requirements - Tests</i>	Messergebnisse – Bemerkungen/ <i>Measuring results - Remarks</i>	Ergebnis <i>Result</i>	

Time-averaged maximum conducted output power

Frequency (MHz)	Maximum output power (dBm)	Pulse duration (ms)	Period (ms)	10 log (1 / D) (dB)	Time-averaged maximum conducted output power	
					(dBm)	(mW)
920.8	13.76	35.6	73.2	3.13	10.63	11.561
902.6	14.06	5.1	39.2	8.86	5.20	3.311
914.6	13.85	5.1	39.2	8.86	4.99	3.155
927.4	13.53	5.1	39.2	8.86	4.67	2.931

Note:

- The maximum peak field strength was taken from table of "Subclause 15.247(b)(3) – Maximum Peak Conducted Output Power".
- Time-averaged maximum conducted output power is calculated by subtracting [10 log (1 / D)] dB from maximum output power, where D is duty cycle, 1 / D = period / pulse duration

For FCC

According to KDB 447498 D01:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 5 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}]$
≤ 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
- 3.0 and 7.5 are referred to as the numeric thresholds in step 2 below

Result:

$$(11.561/5) \cdot \sqrt{0.9208} = 2.219 < 3.0$$

$$(3.311/5) \cdot \sqrt{0.9026} = 0.629 < 3.0$$

$$(3.155/5) \cdot \sqrt{0.9146} = 0.603 < 3.0$$

$$(2.931/5) \cdot \sqrt{0.9274} = 0.565 < 3.0$$

Conclusion: No SAR is required.