Maximum Permissive Exposure short report

For Continental Advanced Antenna GmbH, TRANSCVRP02 with FCC-ID 2ACC7TRANSCVRP02,

HW version 01S and SW version BT-Stack: 01.03.05.

Declared minimum distance to human body according to customer > 20 cm according external document "Manual_TRANSCVRP02_RoW_V1.pdf" provided by customer. The customer thus declares that the device is not body-worn.

For FCC using the equation from page 19 of OET Bulletin 65, Edition 97-01 from FCC 2.1091:

$$S = \frac{PG}{4 \pi R^2}$$

Limits according FCC Part 1.1310

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm²)	Averaging time (minutes)
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

Calculations based on external document "System description TRANSCVRP02_final_2_TS".

Operation Mode	Frequency on channel (MHz)	Declared maximum conducted output power (dBm)	Antenna Gain Max. (dBi)	Losses	Declared maximum output power (Measured+ Tune-up) (dBm)	Duty cycle	Declared Maximum conducted output power (W)	Equivalent conducted output power (maximum conducted output power x duty cycle) (mW)
BT LE 2.4GHz	2402.0	-4.00	4.00	2.20	-2.20	100%	0.0006	0.603
	2442.0	-4.00	4.00		-2.20		0.0006	0.603
	2480.0	-4.00	4.00		-2.20		0.0006	0.603

Maximum calculated MPE value:		
MPE-Limit:	1	[mW/cm^2]
Highest MPE value:	0.0002	[mW/cm^2]
Margin to limit	0.9998	[mW/cm^2]

Conclusion: Calculated results comply with the FCC Limit per 47 CFR 2.1091 for the uncontrolled RF Exposure of mobile device.

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