

Maximum Permissive Exposure short report

For Continental Advanced Antenna GmbH, DDAECE02 with FCC-ID 2ACC7DDA02, with 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 “User_Manual_DDA2_V2.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/cm ²)	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 DDA02_V7.pdf” and “User_Manual_DDA2_V2.pdf” provided by customer.

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	1.00	6.00	0.00	7.00	100%	0.0050	5.012
	2442.0	1.00	6.00		7.00		0.0050	5.012
	2480.0	1.00	6.00		7.00		0.0050	5.012

Maximum calculated MPE value:		
MPE-Limit:	1	[mW/cm ²]
Highest MPE value:	0.0016	[mW/cm ²]
Margin to limit	0.9984	[mW/cm ²]

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

The current version of the FCC MPE short report 19-1-0107601T10a-C1 replaces the FCC MPE short report 19-1-0107601T10 dated 2019-11-18. The replaced MPE short report is herewith invalid.