

Radio Frequency Exposure

Graupner GmbH & Co. KG

FCC ID: ZKZ-MX-12

Product Description: Computer System Graupner HoTT

Model No.: mx-12

Prepared for: Graupner GmbH & Co. KG

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Report No.: LK11ER-00100E

Issue Date: May 26, 2011

Test Date: May 05~20, 2011

Test by:

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Standard

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See FCC part 15.247(i) and §1.1307(b)(1) of this chapter, According to KDB 447498 (2)(a)(i) .

EUT Specification

| | |
|----------------------------|---|
| EUT | Computer System Graupner HoTT |
| Type of Modulation: | FHSS |
| Frequency Band: | 2404 MHz ~ 2474 MHz |
| Number of Channels: | 70 |
| Channel Bandwidth: | 1 MHz |
| Device category | <input checked="" type="checkbox"/> Portable (<20cm separation) <input type="checkbox"/> Mobile (>20cm separation) <input type="checkbox"/> Others _____ |
| Antenna diversity | <input type="checkbox"/> Single antenna <input checked="" type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input checked="" type="checkbox"/> Tx/Rx diversity |
| Antenna gain (Max) | 1.8 dBi |

The test result of output power:

| Channel Number: | Low(dBm) | Middle(dBm) | High(dBm) |
|------------------------|-----------------|--------------------|------------------|
| Output Power: | 10.95 | 10.97 | 11.27 |

Evaluation

| maximum output power (mw) | Max Antenna Gain (dBi) | EIRP (mw) | 60/f SAR Limitation (mw) |
|--------------------------------------|-----------------------------------|------------------|-------------------------------------|
| 13.4 | 1.8 | 24.12 | 25 |

Maximum measured transmitter power:

Remark : $EIRP = P * G = 13.4 * 1.8 = 24.12 \text{ mW}$

Threshold at which no SAR required is 25 mw.

Maximum Tx power is 24.12 mw EIRP.

Conclusion: No SAR is required.