

Produkte
 Products

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Client: Mitsumi Electric Co Ltd
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Test item: Wireless LAN Module

Identification: DWM-W028

FCC Requirement

According to KDB 447498, SAR evaluation specified in FCC 2.1093 is not required for portable equipment if the transmitter power is below the following threshold:

Tunable Range		Center of Tunable Band [GHz]	60/f SAR Limitation based on Center of Band [mW]
Lowest Frequency [GHz]	Highest Frequency [GHz]		
2.412	2.472	2.442	24.57

IC Requirement

According to RSS-102 (Issue 4), clause 2.5.1, no SAR evaluation is required if the transmitter has a minimum separation distance to the user less than or equal to 20cm and has an output power (both conducted and e.i.r.p.) below the following threshold:

Equipment Use	Frequency Range	SAR Evaluation Threshold [mW]
General Public Use	2.2 – 3GHz	20

Measurement Result

The maximum measured transmitter power is given in the following table:

Conducted Average Output Power [mW]	Maximum Antenna Gain [dBi]	EIRP Output Power [mW]
802.11b: 2.74 802.11g: 2.96	For the host: Nintendo DS CTR Target Board DCA-P08: -1.91dBi For the host: CTR-001 / CTR-001(-01) DCA-P17 ES3: -6.52dBi DCA-P17 ES4: -6.20dBi DCA-P17 CS: -6.35dBi 361.00194.005 CS: +1.15dBi DCA-P17 CS2: -5.39dBi 361.00194.005 CS2: -5.10dBi For the host: CTR-001(-05) 361.00194.005 CS: +1.15dBi 361.00194.005 CS2: -5.10dBi	3.86 (Worst case)

Conclusion

SAR evaluation is not required since the maximum transmitter output power (both conducted and e.i.r.p.) is below the FCC and IC thresholds.

Refer to test report 12606802 009 for more details.