W078無線LAN モジュールアンテナ利得

2011年12月14日 ミツミ電機(株) AVC事業部



評価条件

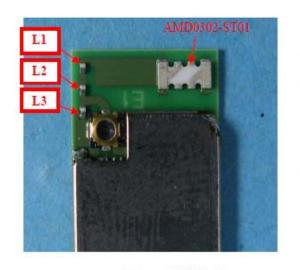
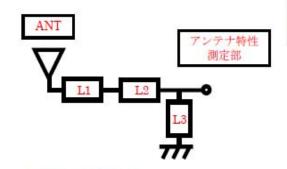


図1 測定状態



調整用インダクタ

TDK MLG0603P Series (0.6 × 0.3 mm)

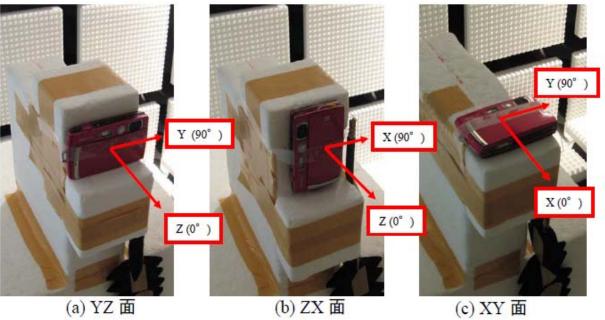


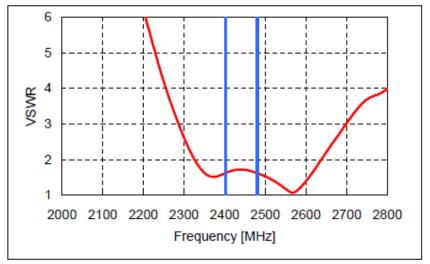
図2 放射パターン測定状態

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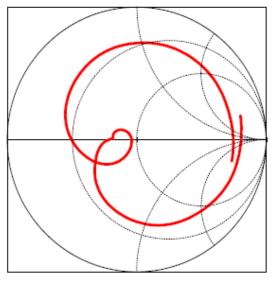
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入力特性





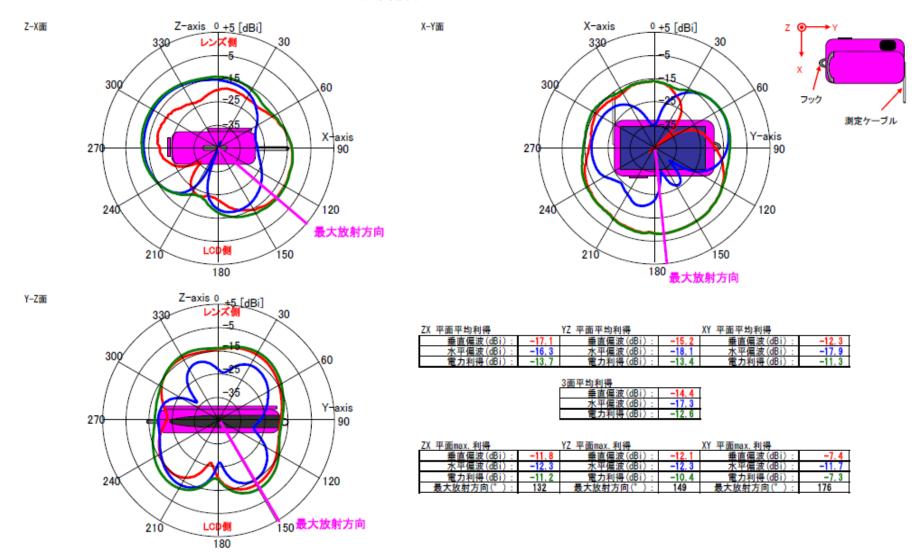
(2) Smith Chart



| | | [GHz] | [MHz] | |
|------------------------|-------|-------|---------|--|
| f _{0(RLmin)} | [MHz] | 2.568 | 2568.00 | |
| RLmin | [dB] | -28.7 | -28.7 | |
| (VSWRmin) | | 1.08 | 1.08 | |
| VSWR<2.5 | [MHz] | 0.362 | 362.00 | |
| f _{low(VS3)} | [MHz] | 2.305 | 2305.00 | |
| f _{high(VS3)} | [MHz] | 2.667 | 2667.00 | |
| VSWR<2 | [MHz] | 0.311 | 311.00 | |
| f _{low(VS2)} | [MHz] | 2.326 | 2326.00 | |
| f _{high(VS2)} | [MHz] | 2.637 | 2637.00 | |

放射パターン

則定周波数:2412MHz



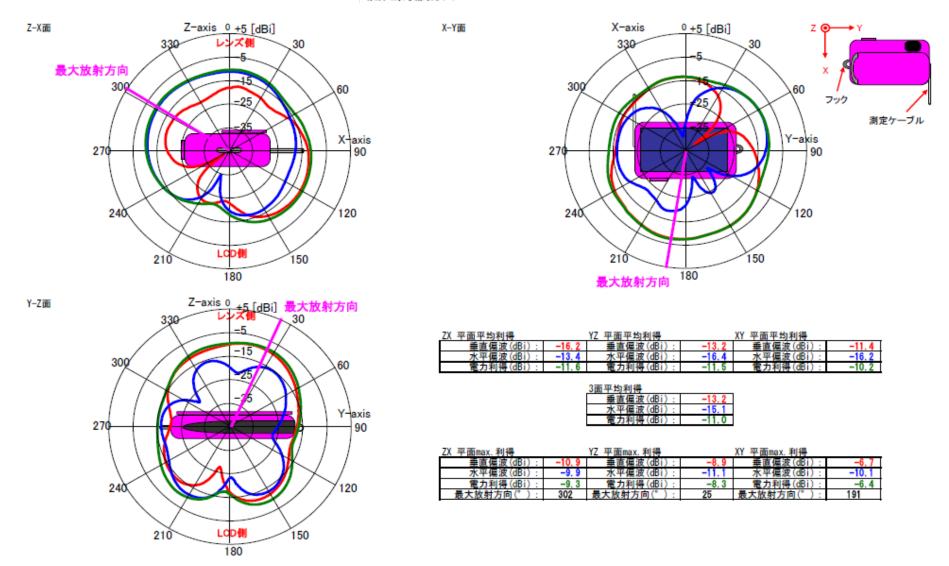
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カメラ設置台:底面視

放射パターン

測定周波数: 2441MHz



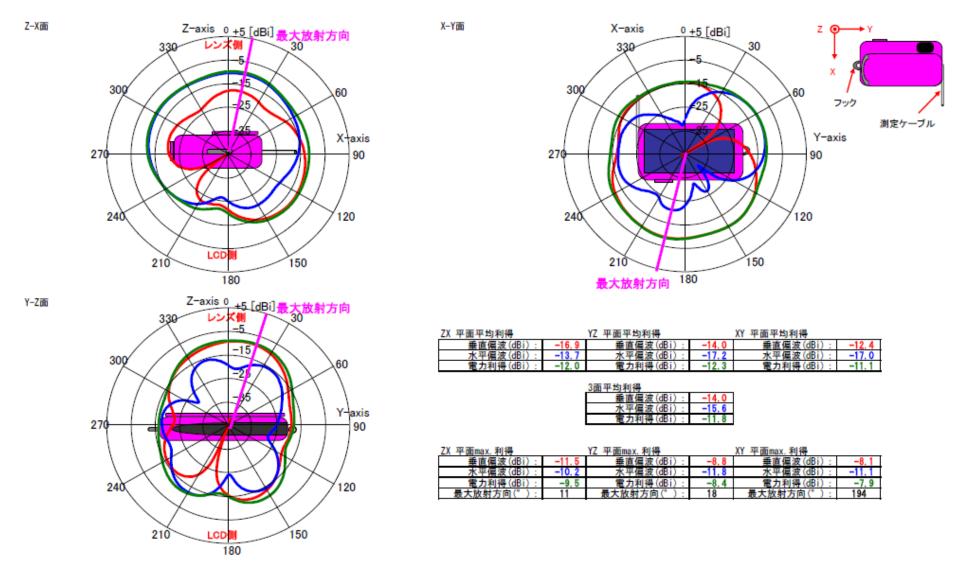
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カメラ設置台:底面視

放射パターン

測定周波数: 2472MHz



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カメラ設置台:底面視