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## Antenna Report


SIGNAL ELECTRONICS CO., LTD.

BLE Module

Model: SMD810X-S0X

REPORT NO.: EM-OA160002 (C1M1611348)

DATE: 2016. 12. 01

Antenna Specification		Antenna View
Antenna Type	PCB Printed Antenna	
Peak Gain	-6.2853dBi	
Average Gain	-13.6016dBi	
Frequency	2400~2483.5MHz	

**Antenna Directivity Diagram:**

Frequency (MHz)	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450
Peak Gain (dBi)	-6.4911	-6.4439	-6.4188	<b>-6.2853</b>	-6.5351	-6.6783	-6.9032	-6.6863	-6.9438	-7.1781	-6.9570
Average Gain (dBi)	-13.6841	<b>-13.6016</b>	-13.6653	-13.7190	-13.7430	-13.8648	-13.9623	-14.1157	-14.1834	-14.2787	-14.2755

Frequency (MHz)	2455	2460	2465	2470	2475	2480	2483.5
Peak Gain (dBi)	-7.1102	-7.1910	-6.7287	-6.9948	-7.0482	-6.7036	-6.7759
Average Gain (dBi)	-14.3273	-14.2551	-14.1879	-14.1769	-14.1765	-14.1177	-14.1296

