

Performance Report of the JR6 WLAN Antennas

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1 Measurement Instrument

VSWR measurement: Agilent Technologies E5071B 300K~8.5GHz ENA Series Network Analyzer



Antenna Gain Measurement (WLAN Antenna): Wave Pro FFC-700 2D Chamber



2 Antenna Specification

2.1 Measurement Frequency

Antenna Function	Frequency	Application
WLAN	2.4 GHz ~ 2.5 GHz 5.15 GHz ~ 5.85 GHz	IEEE 802.11 a, b, g, e, n

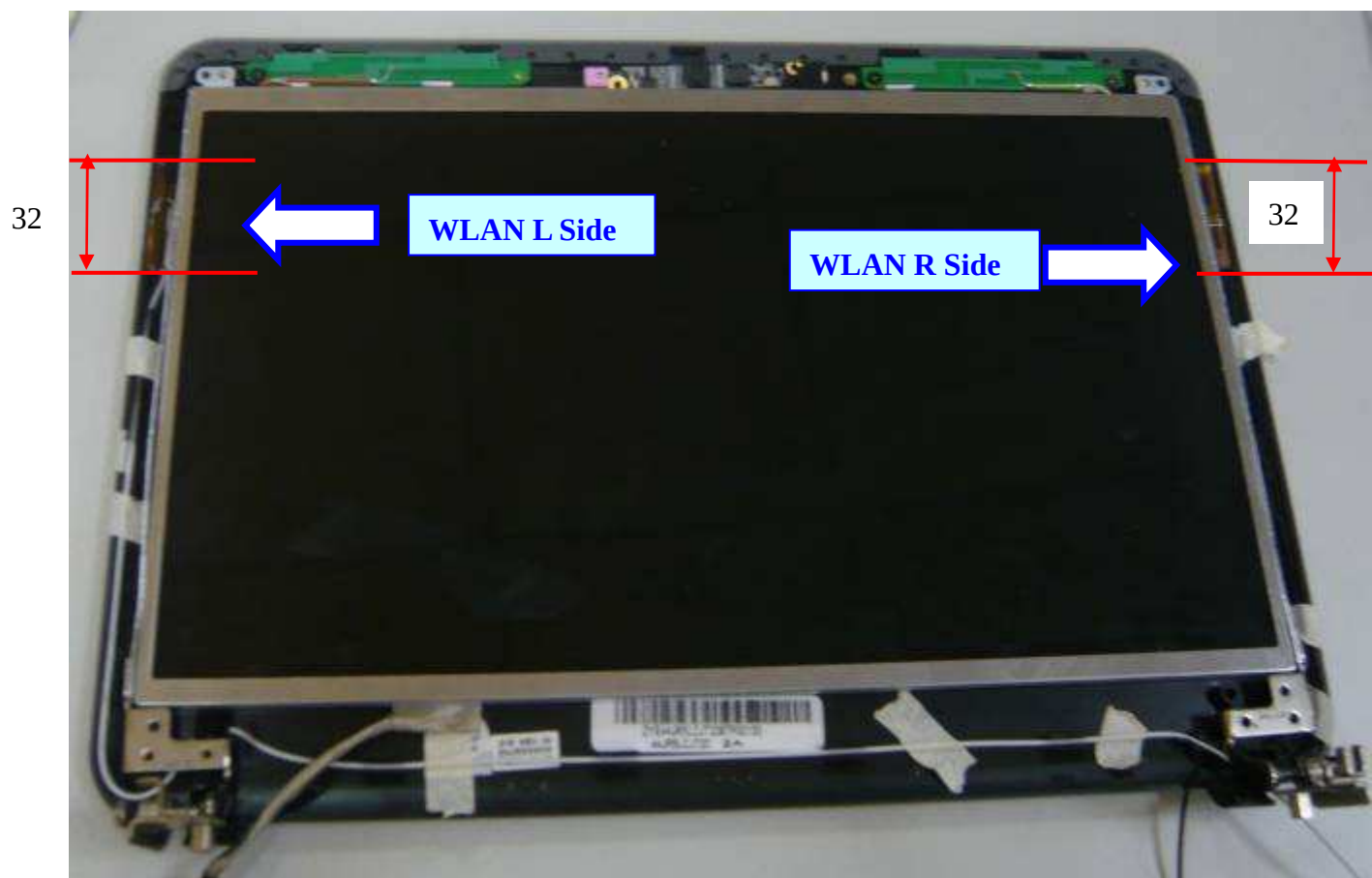
2.2 Antenna Cable Data

Antenna Function	Cable Length	Cable Diameter	Connector
WLAN Aux (L side)	707 mm	Φ: 1.13mm	HRS
WLAN Main (R side)	508 mm	Φ: 1.13mm	HRS

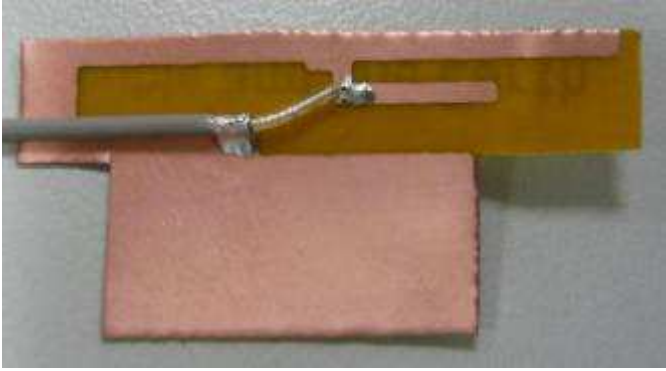
2.3 Antenna Dimension

Antenna Function	Dimension
WLAN Aux (L side)	(L) 32mm * (H) 15mm * (W) 0.25mm
WLAN Main (R side)	(L) 32mm * (H) 15mm * (W) 0.25mm

3 Antenna Location & Photo



JR5 WLAN Aux (L Side) Antenna Dimension:
(L)32mm * (H)15mm * (W) 0.25mm

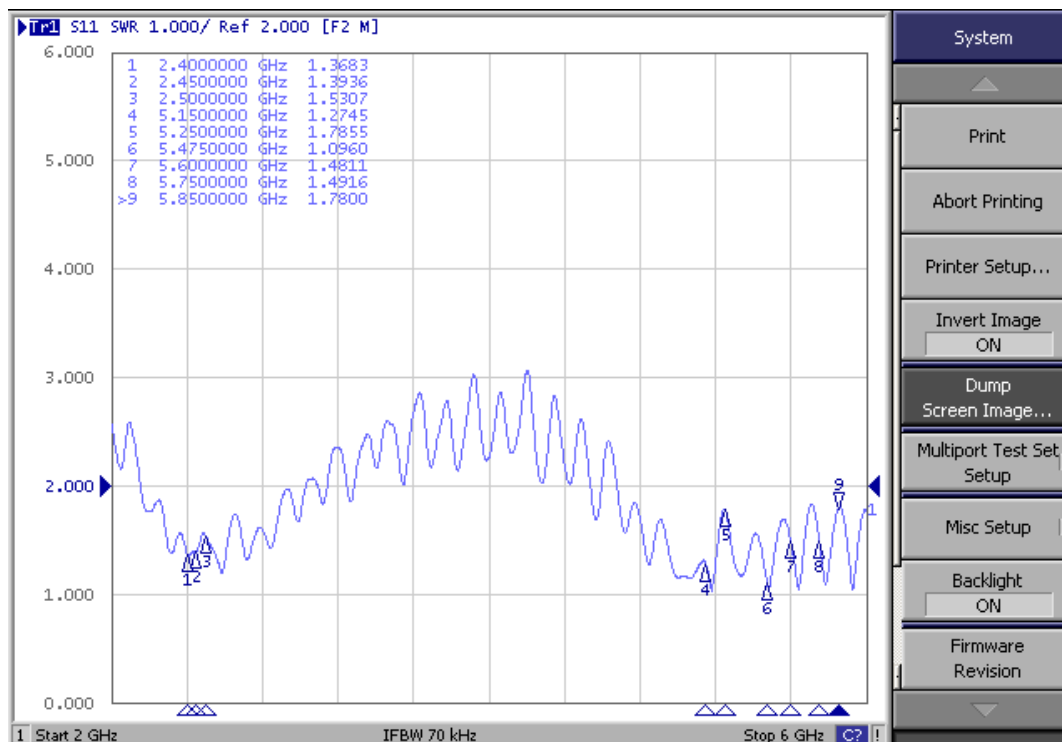


JR5 WLAN Main (R Side) Antenna Dimension:
(L)32mm * (H)15mm * (W) 0.25mm

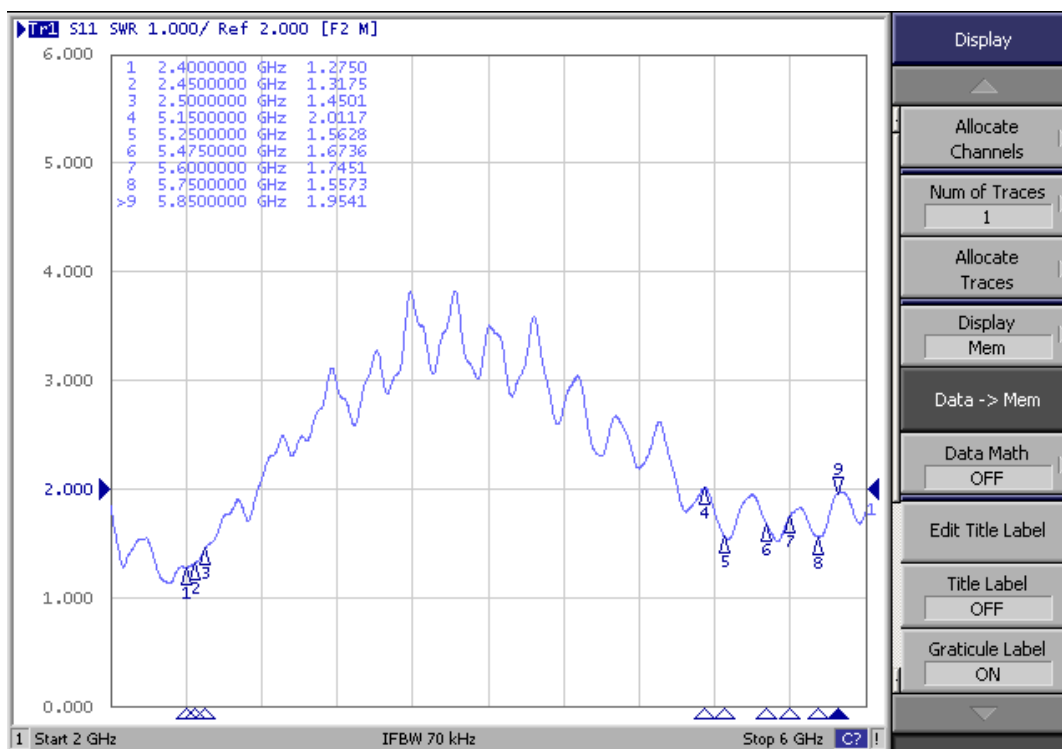


Antenna Measurement Result

4.1 WLAN Antenna VSWR L Side



R Side



4.2 WLAN Antenna Avg. Gain

Antenna	WLAN Aux (L Side) Antenna	WLAN Main (R Side) Antenna
Frequency (MHz)	Avg. Gain (dBi)	Avg. Gain (dBi)
2400	-4.31	-3.57
2450	-4.12	-3.59
2500	-4.23	-4.18
5150	-5.19	-3.43
5350	-5.23	-2.98
5470	-5.09	-4.71
5725	-5.25	-5.32
5825	-5.30	-5.33