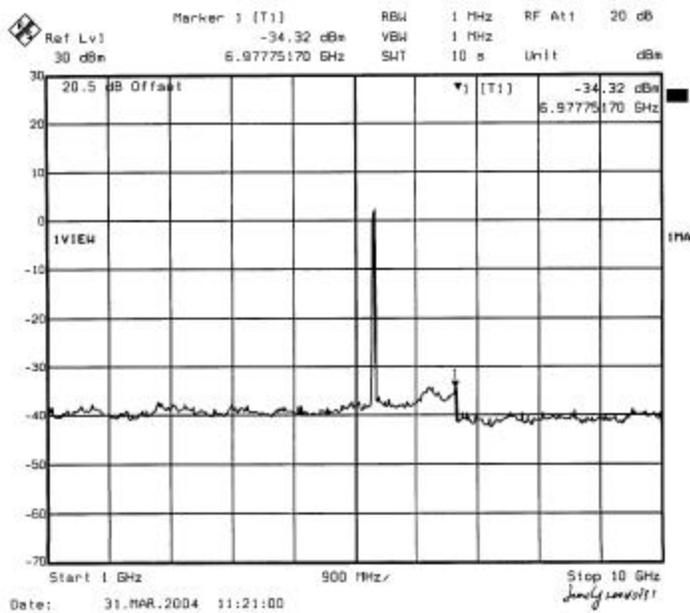
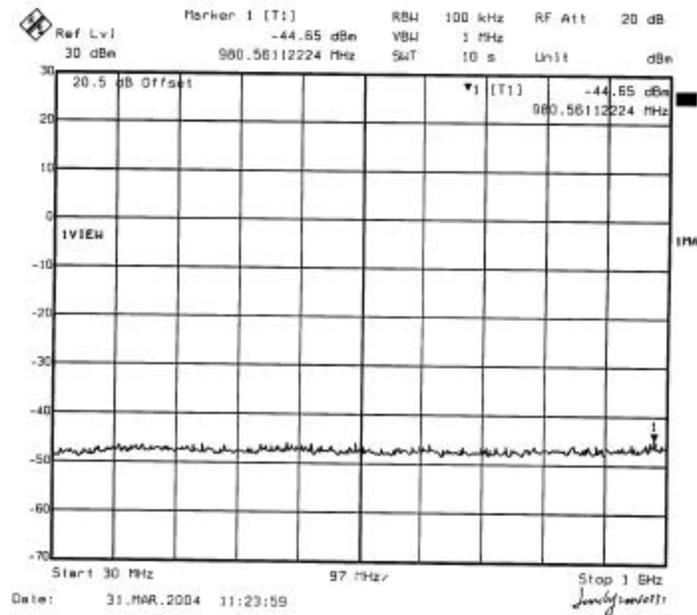
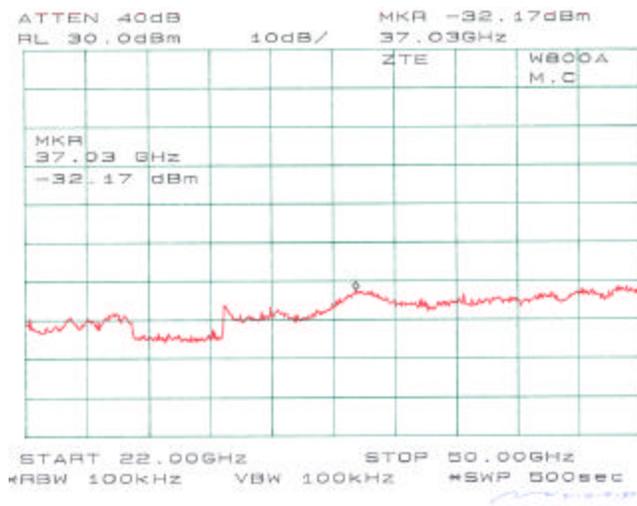
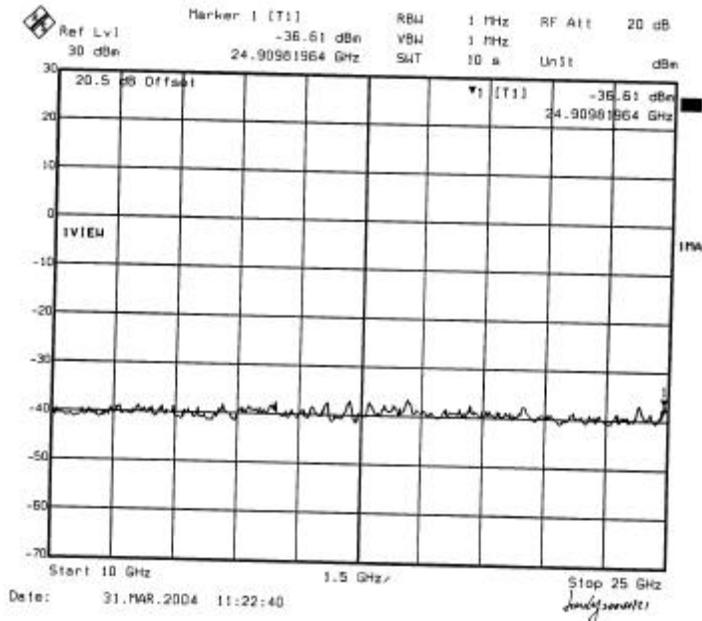
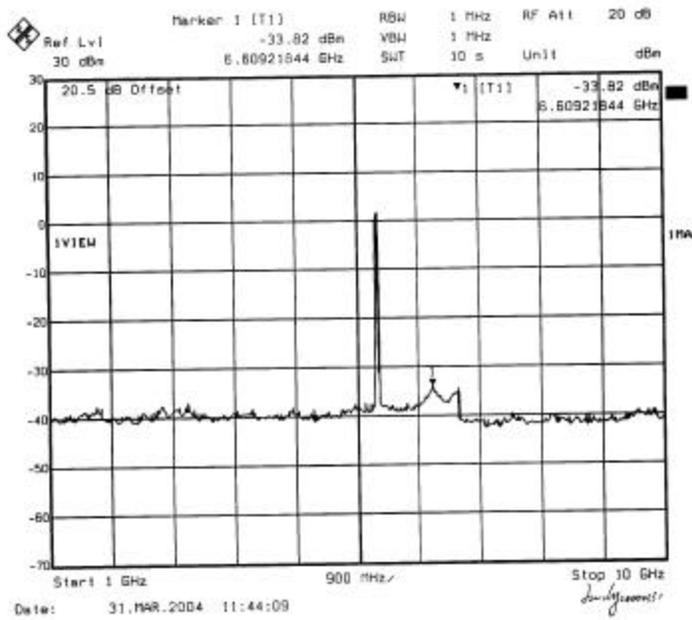
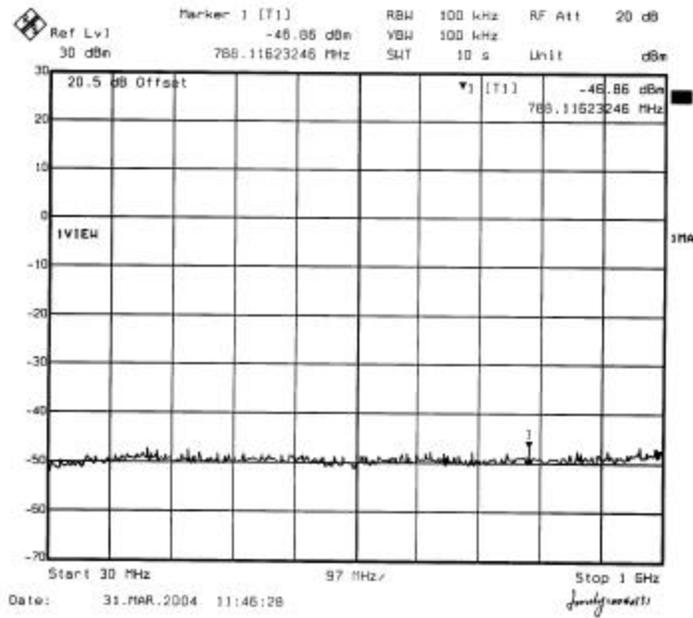


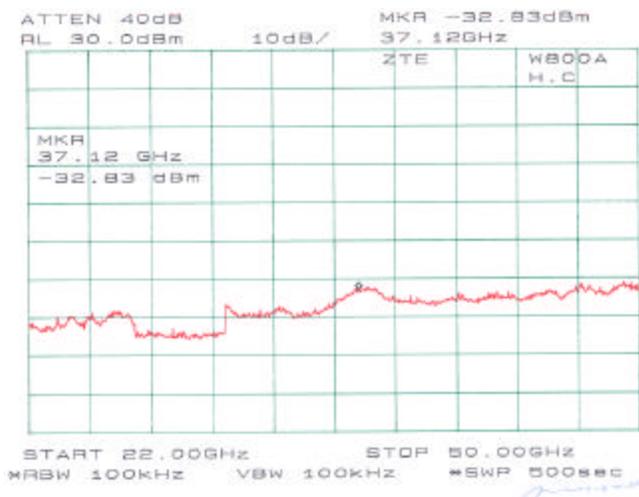
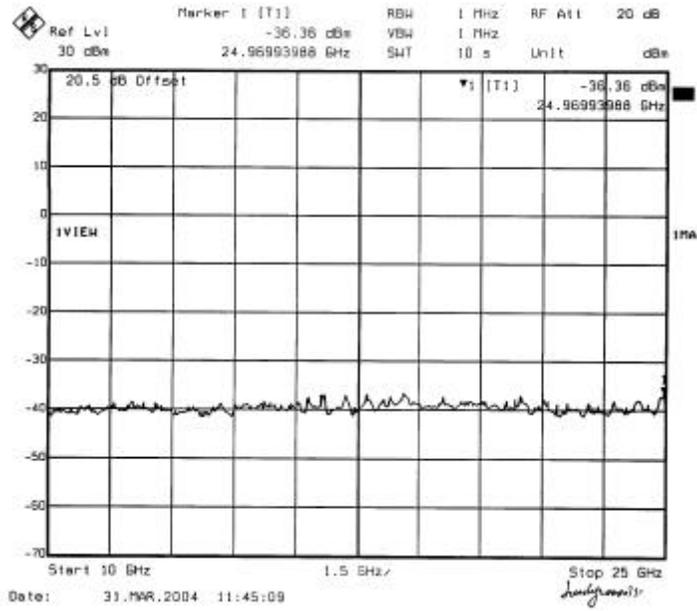
(5.725GHz-5.825GHz) Middle Channel BPSK 802.11a





(5.725GHz-5.825GHz) High Channel BPSK 802.11a





## §15.247(b)(3), §15.407(a)(2) - PEAK OUTPUT POWER MEASUREMENT

### Standard Applicable

According to §15.247(b) (3), for systems using digital modulation in 2400-2483.5 MHz: 1 Watt

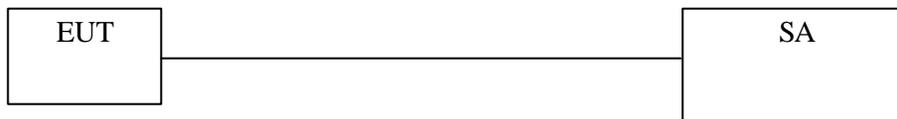
According to §15.407(a)(1), for the band 5.15-5.25 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 50 mW or  $4 \text{ dBm} + 10\log B$ , where B is the 26-dB emission bandwidth in MHz.

According to §15.407(a)(2), for the band 5.25-5.35 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 250 mW or  $11 \text{ dBm} + 10\log B$ , where B is the 26-dB emission bandwidth in MHz.

According to §15.407(a)(3), for the band 5.725-5.825 GHz, the peak transmit power over the frequency band of operation shall not exceed the lesser of 1 W or  $17 \text{ dBm} + 10\log B$ , where B is the 26-dB emission bandwidth in MHz.

### Measurement Procedure

1. Place the EUT on a bench and set it in transmitting mode.
2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to a spectrum analyzer.
3. Add a correction factor to the display.



### Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date
R/S	Spectrum Analyzer	FSEM	849720/019	2003-10-30

### Measurement Result

#### Environmental Conditions

Temperature:	24° C
Relative Humidity:	63%
ATM Pressure:	1100 mbar

**2.4GHz-2.4835GHz Peak power output BPSK 802.11b**

Channel	Frequency (MHZ)	RF Power (dBm)	Correction Factor (dB)	Corrected RF power (dBm)	Limit	Result
Low Channel	2412	6.99	10.98	17.97	1w (30dBm)	Pass
Middle Channel	2437	7.30	10.87	18.17	1w (30dBm)	Pass
High Channel	2462	8.74	11.01	19.75	1w (30dBm)	Pass

**2.4GHz-2.4835GHz Peak power output BPSK 802.11g**

Channel	Frequency (MHZ)	RF Power (dBm)	Correction Factor (dB)	Corrected RF power (dBm)	Limit	Result
Low Channel	2412	6.74	11.00	17.74	1w (30dBm)	Pass
Middle Channel	2437	7.11	11.15	18.26	1w (30dBm)	Pass
High Channel	2462	6.35	11.01	17.36	1w (30dBm)	Pass

**5.15-5.25G Peak power output, BPSK 802.11a**

Channel	Frequency (MHZ)	RF Power (dBm)	Correction Factor (dB)	Corrected RF power (dBm)	Limit	Result
Low Channel	5175	2.43	14.17	16.60	17dBm or 4dBm + 10 log B	Pass
Middle Channel	5201	2.49	14.17	16.66	7dBm or 4dBm + 10 log B	Pass
High Channel	5234	1.16	13.83	14.99	7dBm or 4dBm + 10 log B	Pass

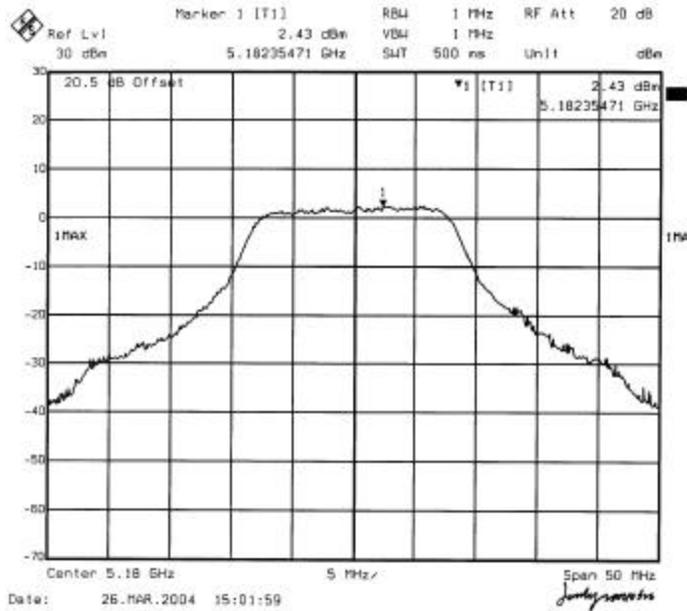
**5.25-5.35G Peak power output, BPSK 802.11a**

Channel	Frequency (MHZ)	RF Power (dBm)	Correction Factor (dB)	Corrected RF power (dBm)	Limit	Result
Low Channel	5258	2.35	14.99	17.34	24dBm or 10dBm + 10 log B	Pass
Middle Channel	5284	2.01	15.31	17.32	24dBm or 10dBm + 10 log B	Pass
High Channel	5320	2.66	14.48	17.14	24dBm or 10dBm + 10 log B	Pass

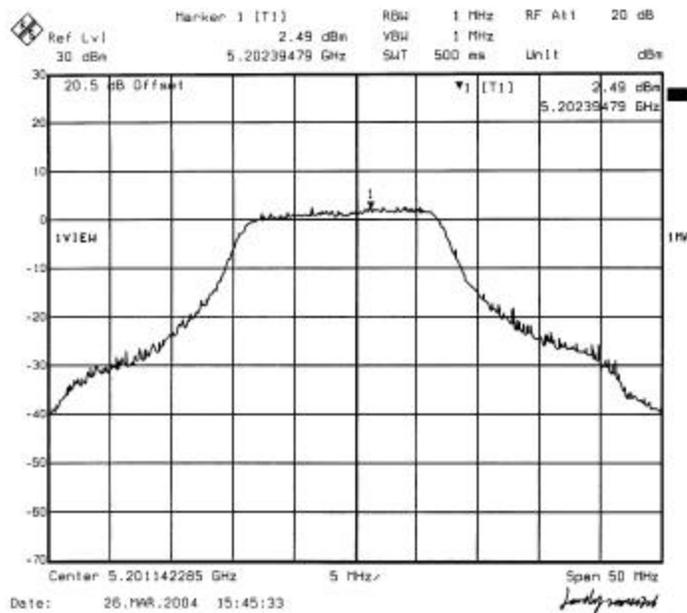
**5.725-5.825G Peak power output, BPSK 802.11a**

Channel	Frequency (MHZ)	RF Power (dBm)	Correction Factor (dB)	Corrected RF power (dBm)	Limit	Result
Low Channel	5746	3.04	15.52	18.56	3dBm or 17dBm + 10 log B	Pass
Middle Channel	5785	2.87	14.79	17.66	3dBm or 17dBm + 10 log B	Pass
High Channel	5806	2.81	14.42	17.23	3dBm or 17dBm + 10 log B	Pass

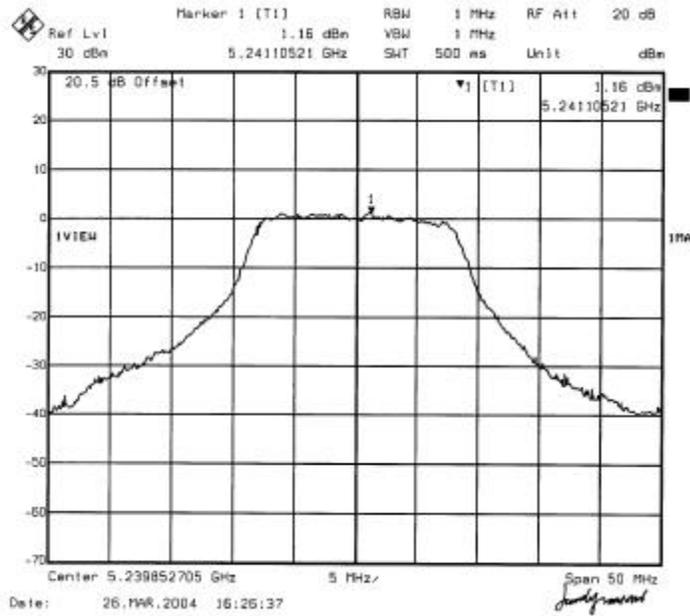
(5.15GHz-5.25GHz) Low Channel BPSK 802.11a



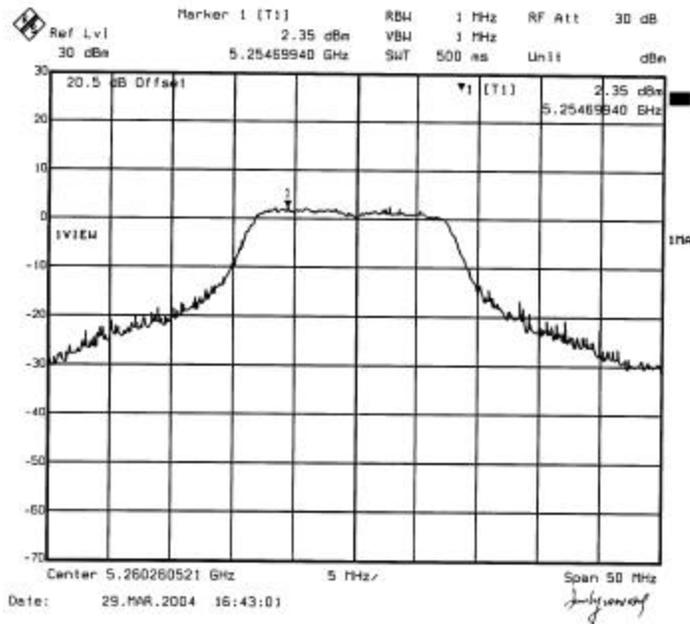
(5.15GHz-5.25GHz) Middle Channel BPSK 802.11a



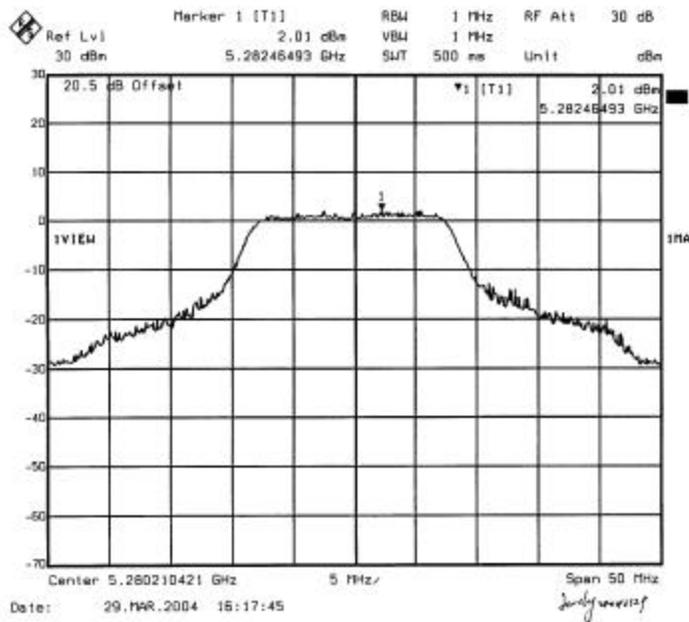
(5.15GHz-5.25GHz) High Channel BPSK 802.11a



(5.25GHz-5.35GHz) Low Channel BPSK 802.11a



(5.25GHz-5.35GHz) Middle Channel BPSK 802.11a



(5.725GHz-5.735GHz) Low Channel BPSK 802.11a

