

APPENDIX J: CONDUCTED POWER RESULTS FOR WLAN2450

J.1 Power Tuning Targets

WLAN 2.4 GHz: 20 MHz channel bandwidth								
Standard	Modulation	Data speed [Mbps]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11
802.11b	BPSK	1	16.0	16.5	16.5	16.5	16.5	16.0
802.11b	QPSK	2	16.0	16.5	16.5	16.5	16.5	16.0
802.11b	QPSK	5.5	16.0	16.5	16.5	16.5	16.5	16.0
802.11b	QPSK	11	16.0	16.5	16.5	16.5	16.5	16.0
802.11g	BPSK	6	12.0	15.0	15.0	15.0	15.0	12.0
802.11g	BPSK	9	12.0	15.0	15.0	15.0	15.0	12.0
802.11g	QPSK	12	12.0	15.0	15.0	15.0	15.0	12.0
802.11g	QPSK	18	12.0	15.0	15.0	15.0	15.0	12.0
802.11g	16QAM	24	12.0	15.0	15.0	15.0	15.0	12.0
802.11g	16QAM	36	12.0	14.0	14.0	14.0	14.0	12.0
802.11g	64QAM	48	12.0	13.0	13.0	13.0	13.0	12.0
802.11g	64QAM	54	11.5	11.5	11.5	11.5	11.5	11.5
802.11n	BPSK	6.5 / 7.25	11.0	13.0	13.0	13.0	13.0	11.0
802.11n	QPSK	13.0 / 14.4	11.0	13.0	13.0	13.0	13.0	11.0
802.11n	QPSK	19.5 / 21.7	11.0	13.0	13.0	13.0	13.0	11.0
802.11n	16QAM	26.0 / 28.9	11.0	13.0	13.0	13.0	13.0	11.0
802.11n	16QAM	39.0 / 43.3	11.0	13.0	13.0	13.0	13.0	11.0
802.11n	64QAM	52.0 / 57.8	11.0	13.0	13.0	13.0	13.0	11.0
802.11n	64QAM	58.5 / 65.0	11.0	11.0	11.0	11.0	11.0	11.0
802.11n	64QAM	65.0 / 72.2	11.0	11.0	11.0	11.0	11.0	11.0

J.2 Conducted Power from the Samples used in the Testing

Type: RM-1039; SN: 004402/47/947826/9; HW: 0241, SW: 02032.00000.14271.24000 used for WLAN2450 for SAR Head, Body-worn and Wireless Router measurements.

WLAN 2.4 GHz: 20 MHz channel bandwidth								
Standard	Modulation	Data speed [Mbps]	CH 1	CH 2	CH 6	CH 7	CH 10	CH 11
802.11b	BPSK	1	16.3	16.6	16.9	16.7	16.7	16.3
802.11b	QPSK	2	16.1	16.7	16.7	16.9	16.7	16.1
802.11b	QPSK	5,5	16.3	16.7	16.6	16.8	16.8	16.3
802.11b	QPSK	11	16.3	16.6	16.9	16.7	16.8	16.3
802.11g	BPSK	6	11.8	14.9	14.8	14.9	15.1	11.8
802.11g	BPSK	9	12.1	14.6	14.8	15.1	15.2	12.1
802.11g	QPSK	12	11.9	15.1	15.1	14.5	15.1	11.7
802.11g	QPSK	18	11.9	14.7	15.1	14.8	14.5	11.8
802.11g	16QAM	24	11.8	14.1	14.8	13.9	14.8	11.5
802.11g	16QAM	36	12.1	13.7	14.1	14.2	13.7	11.4
802.11g	64QAM	48	11.9	12.9	13.1	13.1	12.9	11.7
802.11g	64QAM	54	10.8	11.1	11.1	11.2	10.9	10.7
802.11n	BPSK	6.5 / 7.25	10.7	12.6	12.8	12.8	12.9	10.8
802.11n	QPSK	13.0 / 14.4	10.7	12.8	12.7	12.6	12.7	10.9
802.11n	QPSK	19.5 / 21.7	10.5	12.9	12.9	12.7	12.9	10.6
802.11n	16QAM	26.0 / 28.9	10.7	12.6	12.8	12.9	12.8	10.7
802.11n	16QAM	39.0 / 43.3	10.8	12.6	12.8	12.6	12.9	10.9
802.11n	64QAM	52.0 / 57.8	10.7	12.8	12.7	12.9	12.8	10.7
802.11n	64QAM	58.5 / 65.0	10.7	10.8	10.9	10.9	10.6	10.6
802.11n	64QAM	65.0 / 72.2	10.6	10.6	10.9	10.9	10.7	10.8