

Appendix D. Co-location Report

1. Results of Radiated Emissions for Co-located

<For Mode 1 (Ant. A)>:

Temperature	22°C	Humidity	52%
Test Engineer	Satoshi Yang	Configurations	2.4GHz Bluetooth + 2.4GHz WLAN / Mode 1 (Ant. A)
Test Date	Jul. 19, 2010		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	3248.94	40.84	74.00	-33.16	44.47	1.72	30.00	35.35	250	100	Peak	HORIZONTAL
2	3249.44	28.82	54.00	-25.18	32.45	1.72	30.00	35.35	250	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm	
1	3249.35	30.75	54.00	-23.25	34.38	1.72	30.00	35.35	90	100	Average
2	3249.45	41.78	74.00	-32.22	45.41	1.72	30.00	35.35	90	100	Peak

<For Mode 2 (Ant. B)>:

Temperature	22°C	Humidity	52%
Test Engineer	Satoshi Yang	Configurations	2.4GHz Bluetooth + 2.4GHz WLAN / Mode 2 (Ant. B)
Test Date	Jul. 08, 2010		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	3282.64	36.26	54.00	-17.74	39.86	1.74	30.00	35.34	321	200	Average	HORIZONTAL
2	3282.64	43.03	74.00	-30.97	46.63	1.74	30.00	35.34	321	200	Peak	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss	Antenna Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	3282.64	36.55	54.00	-17.45	40.15	1.74	30.00	35.34	356	117	Average	VERTICAL
2	3282.64	43.86	74.00	-30.14	47.46	1.74	30.00	35.34	356	117	Peak	VERTICAL

<For Mode 3 (Ant. A)>:

Temperature	22°C	Humidity	52%
Test Engineer	Satoshi Yang	Configurations	2.4GHz Bluetooth + 5GHz WLAN / Mode 3 (Ant. A)
Test Date	Jul. 19, 2010		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	dB	deg	cm		
1	3829.74	44.53	74.00	-29.47	46.03	2.03	31.64	35.17	310	100	Peak	HORIZONTAL
2	3829.98	36.38	54.00	-17.62	37.88	2.03	31.64	35.17	310	100	Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase	
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm			
1	3829.98	37.52	54.00	-16.48	39.02	2.03	31.64	35.17	91	100	Average	VERTICAL
2	3830.02	44.45	74.00	-29.55	45.95	2.03	31.64	35.17	91	100	Peak	VERTICAL

<For Mode 4 (Ant. B)>:

Temperature	22°C	Humidity	52%
Test Engineer	Satoshi Yang	Configurations	2.4GHz Bluetooth + 5GHz WLAN / Mode 4 (Ant. B)
Test Date	Jul. 08, 2010		

Horizontal

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	1323.20	37.59	80.00	-42.41	47.53	0.96	24.96	35.86	235	100 Peak	HORIZONTAL
2	1326.40	24.02	60.00	-35.98	33.93	0.96	24.99	35.86	235	100 Average	HORIZONTAL

Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	CableAntenna Loss Factor	Preamp Factor	T/Pos	A/Pos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB	dB/m	deg	cm		
1	1323.50	37.46	80.00	-42.54	47.40	0.96	24.96	35.86	53	100 Peak	VERTICAL
2	1327.80	24.78	60.00	-35.22	34.69	0.96	24.99	35.86	53	100 Average	VERTICAL