

15.205 / 15.209 Radiated Emissions

Operation Mode: Handset Transmitting mode
 Fundamental Frequency: CH 5 (2407.5MHz)
 Temperature : 28°C
 Humidity : 60%

Test Date : May 6, 2002
 Test By: Markba Lee
 Orthogonal: X

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
3210.04	71.47	28.30	2.61	37.63	1	9.5	56.25	74.00	-17.75	P	V
3210.04	51.67	28.30	2.61	37.63	1	9.5	36.45	54.00	-17.55	A	V
*4010.60	72.41	29.55	2.73	36.66	1	9.5	59.53	74.00	-14.47	P	V
*4010.60	46.81	29.55	2.73	36.66	1	9.5	33.93	54.00	-20.07	A	V
*4813.04	81.32	31.39	3.44	37.05	1	9.5	70.60	74.00	-3.40	P	V
*4813.04	52.14	31.39	3.44	37.05	1	9.5	41.42	54.00	-12.58	A	V
5617.60	64.96	32.29	3.72	37.22	1	9.5	55.25	74.00	-18.75	P	V
5617.60	40.59	32.29	3.72	37.22	1	9.5	30.88	54.00	-23.12	A	V
7220.22	75.60	35.50	4.56	37.39	1	9.5	69.77	74.00	-4.23	P	V
7220.22	46.46	35.50	4.56	37.39	1	9.5	40.63	54.00	-13.37	A	V
9624.28	63.70	37.52	4.86	37.51	1	9.5	60.07	74.00	-13.93	P	V
9624.28	38.99	37.52	4.86	37.51	1	9.5	35.36	54.00	-18.64	A	V
3210.04	62.54	28.30	2.61	37.63	1	9.5	47.32	74.00	-26.68	P	H
3210.04	39.67	28.30	2.61	37.63	1	9.5	24.45	54.00	-29.55	A	H
*4010.60	62.94	29.55	2.73	36.66	1	9.5	50.06	74.00	-23.94	P	H
*4010.60	41.17	29.55	2.73	36.66	1	9.5	28.29	54.00	-25.71	A	H
*4813.04	82.79	31.39	3.44	37.05	1	9.5	72.07	74.00	-1.93	P	H
*4813.04	49.89	31.39	3.44	37.05	1	9.5	39.17	54.00	-14.83	A	H
7220.22	75.60	35.50	4.56	37.39	1	9.5	69.77	74.00	-4.23	P	H
7220.22	46.46	35.50	4.56	37.39	1	9.5	40.63	54.00	-13.37	A	H
9624.28	65.29	37.52	4.86	37.51	1	9.5	61.66	74.00	-12.34	P	H
9624.28	41.16	37.52	4.86	37.51	1	9.5	37.53	54.00	-16.47	A	H

Note :

1. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter
 Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M
 measurement distance: -9.5dB
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Remark “*” means that Restricted band.

Operation Mode: Handset Transmitting mode
Fundamental Frequency: CH 27(2439MHz)
Temperature : 28°C
Humidity : 60%

Test Date : May 6, 2002
Test By: Markba Lee
Orthogonal: X

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
3254.20	68.81	28.33	2.69	39.60	1	9.5	51.73	74.00	-22.27	P	V
3254.20	48.64	28.33	2.69	39.60	1	9.5	31.56	54.00	-22.44	A	V
*4065.22	71.31	29.68	2.78	36.68	1	9.5	58.59	74.00	-15.41	P	V
*4065.22	39.69	29.68	2.78	36.68	1	9.5	26.97	54.00	-27.03	A	V
*4880.60	80.81	31.55	3.49	37.08	1	9.5	70.27	74.00	-3.73	P	V
*4880.60	51.16	31.55	3.49	37.08	1	9.5	40.62	54.00	-13.38	A	V
5694.68	60.32	32.35	3.74	37.23	1	9.5	50.68	74.00	-23.32	P	V
5694.68	39.61	32.35	3.74	37.23	1	9.5	29.97	54.00	-24.03	A	V
*7319.60	72.02	35.65	4.53	37.40	1	9.5	66.30	74.00	-7.70	P	V
*7319.60	44.79	35.65	4.53	37.40	1	9.5	39.07	54.00	-14.93	A	V
9757.08	62.67	37.62	4.91	37.55	1	9.5	59.15	74.00	-14.85	P	V
9757.08	35.68	37.62	4.91	37.55	1	9.5	32.16	54.00	-21.84	A	V
3254.20	60.32	28.33	2.69	39.60	1	9.5	43.24	74.00	-30.76	P	H
3254.20	43.19	28.33	2.69	39.60	1	9.5	26.11	54.00	-27.89	A	H
*4065.22	62.29	29.68	2.78	36.68	1	9.5	49.57	74.00	-24.43	P	H
*4065.22	40.24	29.68	2.78	36.68	1	9.5	27.52	54.00	-26.48	A	H
*4880.60	82.60	31.55	3.49	37.08	1	9.5	72.06	74.00	-1.94	P	H
*4880.60	48.01	31.55	3.49	37.08	1	9.5	37.47	54.00	-16.53	A	H
*7319.60	71.93	35.65	4.53	37.40	1	9.5	66.21	74.00	-7.79	P	H
*7319.60	46.14	35.65	4.53	37.40	1	9.5	40.42	54.00	-13.58	A	H
9757.08	63.79	37.62	4.91	37.55	1	9.5	60.27	74.00	-13.73	P	H
9757.08	36.68	37.62	4.91	37.55	1	9.5	33.16	54.00	-20.84	A	H

Note :

1. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter
Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M
measurement distance: -9.5dB
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Remark “*” means that Restricted band.

Operation Mode: Handset Transmitting mode
Fundamental Frequency: CH 48(2473.5MHz)
Temperature : 28°C
Humidity : 60%

Test Date : May 6, 2002
Test By: Markba Lee
Orthogonal: X

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
3298.02	65.08	28.36	2.77	37.56	1	9.5	50.15	74.00	-23.85	P	V
3298.02	45.86	28.36	2.77	37.56	1	9.5	30.93	54.00	-23.07	A	V
*4122.10	73.14	29.81	2.83	36.71	1	9.5	60.57	74.00	-13.43	P	V
*4122.10	40.98	29.81	2.83	36.71	1	9.5	28.41	54.00	-25.59	A	V
*4947.78	81.39	31.70	3.55	37.11	1	9.5	71.03	74.00	-2.97	P	V
*4947.78	50.51	31.70	3.55	37.11	1	9.5	40.15	54.00	-13.85	A	V
5769.34	55.61	32.40	3.75	37.24	1	9.5	46.02	74.00	-27.98	P	V
5769.34	36.11	32.40	3.75	37.24	1	9.5	26.52	54.00	-27.48	A	V
*7421.64	67.27	34.14	4.30	37.32	1	9.5	59.89	74.00	-14.11	P	V
*7421.64	41.06	34.14	4.30	37.32	1	9.5	33.68	54.00	-20.32	A	V
*8239.68	53.73	35.79	4.50	37.41	1	9.5	48.11	74.00	-25.89	P	V
*8239.68	35.76	35.79	4.50	37.41	1	9.5	30.14	54.00	-23.86	A	V
9887.20	65.49	37.62	4.91	37.55	1	9.5	61.97	74.00	-12.03	P	V
9887.20	40.16	37.62	4.91	37.55	1	9.5	36.64	54.00	-17.36	A	V
3298.02	58.87	28.36	2.77	37.56	1	9.5	43.94	74.00	-30.06	P	H
3298.02	46.02	28.36	2.77	37.56	1	9.5	31.09	54.00	-22.91	A	H
*4122.10	65.11	29.81	2.83	36.71	1	9.5	52.54	74.00	-21.46	P	H
*4122.10	44.42	29.81	2.83	36.71	1	9.5	31.85	54.00	-22.15	A	H
*4947.78	81.76	31.70	3.55	37.11	1	9.5	71.40	74.00	-2.60	P	H
*4947.78	48.66	31.70	3.55	37.11	1	9.5	38.30	54.00	-15.70	A	H
5769.34	52.88	32.40	3.75	37.24	1	9.5	43.29	74.00	-30.71	P	H
5769.34	36.19	32.40	3.75	37.24	1	9.5	26.60	54.00	-27.40	A	H
6597.04	54.79	34.14	4.30	37.32	1	9.5	47.41	74.00	-26.59	P	H
6597.04	40.69	34.14	4.30	37.32	1	9.5	33.31	54.00	-20.69	A	H
*7421.64	73.28	35.79	4.50	37.41	1	9.5	67.66	74.00	-6.34	P	H
*7421.64	45.52	35.79	4.50	37.41	1	9.5	39.90	54.00	-14.10	A	H
9887.20	62.93	37.72	4.92	37.59	1	9.5	59.48	74.00	-14.52	P	H
9887.20	40.79	37.72	4.92	37.59	1	9.5	37.34	54.00	-16.66	A	H

Note :

1. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter
Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M
measurement distance: -9.5dB
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Remark “*” means that Restricted band.

Operation Mode: Base Unit Transmitting mode
Fundamental Frequency: CH 5(2407.5MHz)
Temperature : 28°C
Humidity : 60%

Test Date : May 6, 2002
Test By: Markba Lee
Orthogonal: X

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
3210.64	62.01	28.30	2.61	37.63	1	9.5	46.79	74.00	-27.21	P	V
3210.64	48.50	28.30	2.61	37.63	1	9.5	33.28	54.00	-20.72	A	V
*4815.62	64.84	31.40	3.44	37.05	1	9.5	54.13	74.00	-19.87	P	V
*4815.62	42.07	31.40	3.44	37.05	1	9.5	31.36	54.00	-22.64	A	V
7220.46	61.87	35.51	4.56	37.39	1	9.5	56.05	74.00	-17.95	P	V
7220.46	40.68	35.51	4.56	37.39	1	9.5	34.86	54.00	-19.14	A	V
*12033.90	50.53	38.45	6.17	37.13	1	9.5	49.52	74.00	-24.48	P	V
*12033.90	36.31	38.45	6.17	37.13	1	9.5	35.30	54.00	-18.70	A	V
3210.64	57.73	28.30	2.61	37.63	1	9.5	42.51	74.00	-31.49	P	H
3210.64	40.25	28.30	2.61	37.63	1	9.5	25.03	54.00	-28.97	A	H
*4011.32	60.02	29.56	2.73	36.66	1	9.5	47.15	74.00	-26.85	P	H
*4011.32	39.97	29.56	2.73	36.66	1	9.5	27.10	54.00	-26.90	A	H
*4813.56	64.86	31.39	3.44	37.05	1	9.5	54.14	74.00	-19.86	P	H
*4813.56	42.60	31.39	3.44	37.05	1	9.5	31.88	54.00	-22.12	A	H
7220.56	60.26	35.51	4.56	37.39	1	9.5	54.44	74.00	-19.56	P	H
7220.56	38.49	35.51	4.56	37.39	1	9.5	32.64	54.00	-21.33	A	H

Note :

1. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter
Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M
measurement distance: -9.5dB
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Remark “*” means that Restricted band.

Operation Mode:	Base Unit Transmitting mode	Test Date :	May 6, 2002
Fundamental Frequency:	CH 27(2439MHz)	Test By:	Markba Lee
Temperature :	28°C	Orthogonal:	X
Humidity :	60%		

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
3253.20	59.79	28.33	2.69	37.60	1	9.5	44.71	74.00	-29.29	P	V
3253.20	44.63	28.33	2.69	37.60	1	9.5	29.55	54.00	-24.45	A	V
*4881.66	65.65	31.55	3.50	37.08	1	9.5	55.12	74.00	-18.88	P	V
*4881.66	43.14	31.55	3.50	37.08	1	9.5	32.61	54.00	-21.39	A	V
*7319.52	62.73	35.65	4.53	37.40	1	9.5	57.01	74.00	-16.99	P	V
*7319.52	41.01	35.65	4.53	37.40	1	9.5	35.29	54.00	-18.71	A	V
9759.66	52.82	37.62	4.91	37.55	1	9.5	49.30	74.00	-24.70	P	V
9759.66	36.09	37.62	4.91	37.55	1	9.5	32.57	54.00	-21.43	A	V
*4068.04	57.44	29.69	2.78	36.68	1	9.5	44.73	74.00	-29.27	P	H
*4068.04	40.07	29.69	2.78	36.68	1	9.5	27.36	54.00	-26.64	A	H
*4881.66	65.65	31.55	3.50	37.08	1	9.5	55.12	74.00	-18.88	P	H
*4881.66	43.14	31.55	3.50	37.08	1	9.5	32.61	54.00	-21.39	A	H
*7319.52	62.73	35.65	4.53	37.40	1	9.5	57.01	74.00	-16.99	P	H
*7319.52	41.01	35.65	4.53	37.40	1	9.5	35.29	54.00	-18.71	A	H

Note :

1. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter
Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M
measurement distance: -9.5dB
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Remark “*” means that Restricted band.

Operation Mode: Base Unit Transmitting mode
Fundamental Frequency: CH 48(2472MHz)
Temperature : 28°C
Humidity : 60%

Test Date : May 6, 2002
Test By: Markba Lee
Orthogonal: X

Freq. (MHz)	Reading (dBuV)	AF (dBuV)	Closs (dB)	Pre-amp (dB)	Filter dB	Dist dB	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Mark (P/Q/A)	Pol (H/V)
*4123.08	59.11	29.81	2.83	36.71	1	9.5	46.54	74.00	-27.46	P	V
*4123.08	40.31	29.81	2.83	36.71	1	9.5	27.74	54.00	-26.26	A	V
*4947.96	66.22	31.70	3.55	37.11	1	9.5	55.86	74.00	-18.14	P	V
*4947.96	42.14	31.70	3.55	37.11	1	9.5	31.78	54.00	-22.22	A	V
*7421.62	63.27	35.79	4.50	37.41	1	9.5	57.65	74.00	-16.35	P	V
*7421.62	39.38	35.79	4.50	37.41	1	9.5	33.76	54.00	-20.24	A	V
9891.62	53.85	37.72	4.97	37.59	1	9.5	50.45	74.00	-23.55	P	V
9891.62	37.18	37.72	4.97	37.59	1	9.5	33.78	54.00	-20.22	A	V
3297.14	54.20	28.36	2.77	37.56	1	9.5	39.27	74.00	-34.73	P	H
3297.14	37.56	28.36	2.77	37.56	1	9.5	22.63	54.00	-31.37	A	H
*4123.08	59.94	29.81	2.83	36.71	1	9.5	47.37	74.00	-26.63	P	H
*4123.08	34.75	29.81	2.83	36.71	1	9.5	22.18	54.00	-31.82	A	H
*4947.96	64.06	31.70	3.55	37.11	1	9.5	53.70	74.00	-20.30	P	H
*4947.96	39.34	31.70	3.55	37.11	1	9.5	28.98	54.00	-25.02	A	H
*7421.62	55.59	35.79	4.50	37.41	1	9.5	49.97	74.00	-24.03	P	H
*7421.62	35.35	35.79	4.50	37.41	1	9.5	29.73	54.00	-24.27	A	H

Note :

1. AF: Antenna Factor, Closs: Cable Loss, Pre-Amp: Preamp gain, Filter: High Pass Filter
Insertion Loss (3.5GHz) Dist: Correction to extra plate reading to 3m specification distance 1M
measurement distance: -9.5dB
2. Analyzer setting P(Peak): RBW=1MHz, VBW=1MHz, A(Average): RBW=1MHz, VBW=10Hz
3. Remark “*” means that Restricted band.