

Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120V_{ac}/60Hz
 Model : FR 780314
 Memo : 802.11b Tx_CH01;2412MHz +Adaptor
 Data Rate : 1
 Plane : E2

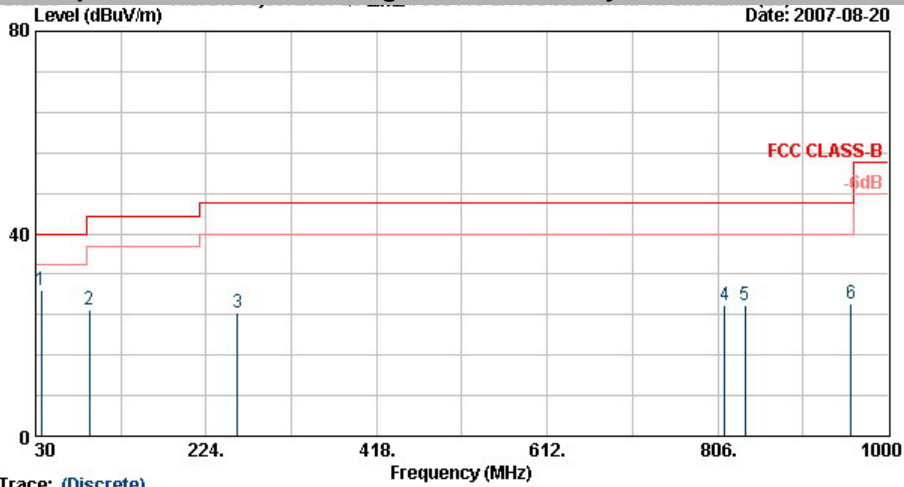
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark		
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg		
1	!	2390.0	51.08	-2.92	54.00	52.53	30.26	3.75	35.46	100	185	Average
2		2390.0	59.92	-14.08	74.00	61.37	30.26	3.75	35.46	100	0	Peak
3	X	2412.0	102.98			104.40	30.27	3.77	35.46	100	185	Average
4	X	2412.0	106.12			107.54	30.27	3.77	35.46	100	0	Peak
5		2488.0	59.06	-14.94	74.00	60.41	30.30	3.86	35.51	100	0	Peak
6	!	2488.0	48.07	-5.93	54.00	49.42	30.30	3.86	35.51	100	185	Average
7		8067.0	56.56	-17.44	74.00	45.03	39.54	7.87	35.89	100	0	Peak
8		8067.0	45.56	-8.44	54.00	34.03	39.54	7.87	35.89	100	241	Average

Remark: #3 and #4 Fundamental Signal



Polarization : Vertical

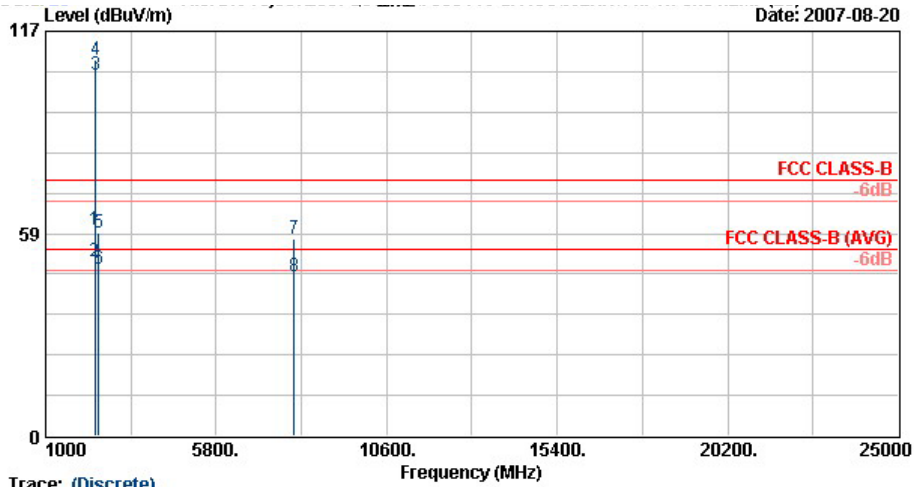
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CH06-HY
 Condition : LP-ANT(951121) VERTICAL
 EUT : Pocket PC phone Fox PCC
 Power : 120Vac/60Hz
 Model : FR 780314
 Memo : 802.11b Tx_CH01,2412MHz +Adaptor
 Data Rate : 1
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	36.5	28.80	-11.20	40.00	44.29	15.08	0.69	31.26	124	331 Peak
2	91.3	25.12	-18.38	43.50	45.97	9.23	1.04	31.12	---	---
3	260.0	24.38	-21.62	46.00	41.11	12.45	1.77	30.95	---	---
4	813.8	25.82	-20.18	46.00	32.92	19.92	3.47	30.47	---	---
5	836.9	26.00	-20.00	46.00	32.80	20.08	3.56	30.45	---	---
6	957.3	26.29	-19.71	46.00	31.70	20.94	3.93	30.28	---	---



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/80Hz
 Model : FR 780314
 Memo : 802.11b Tx_Ch01;2412MHz +Adaptor
 Data Rate : 1
 Plane : E2

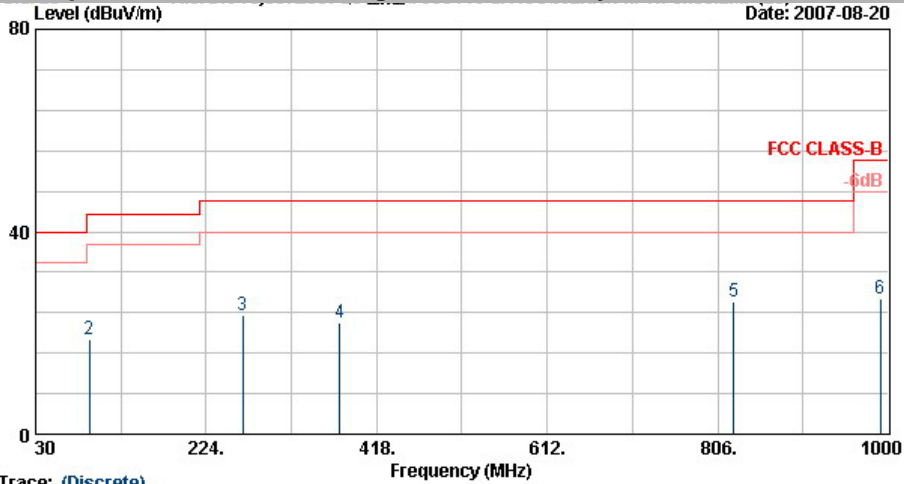
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB	dB	cm	deg	
1	2387.3	59.70	-14.30	74.00	61.13	30.26	3.75	35.44	100	0 Peak
2 !	2387.3	50.30	-3.70	54.00	51.73	30.26	3.75	35.44	100	196 Average
3 @	2412.0	104.38			105.80	30.27	3.77	35.46	100	196 Average
4 X	2412.0	108.57			109.99	30.27	3.77	35.46	100	0 Peak
5	2484.0	58.76	-15.24	74.00	60.12	30.29	3.86	35.51	100	0 Peak
6 !	2484.0	48.21	-5.79	54.00	49.57	30.29	3.86	35.51	100	196 Average
7	8001.0	57.15	-16.85	74.00	45.62	39.60	7.79	35.86	100	0 Peak
8	8001.0	46.15	-7.85	54.00	34.62	39.60	7.79	35.86	100	211 Average

Remark: #3 and #4 Fundamental Signal



- Test Mode : Mode 2
- Polarization : Horizontal

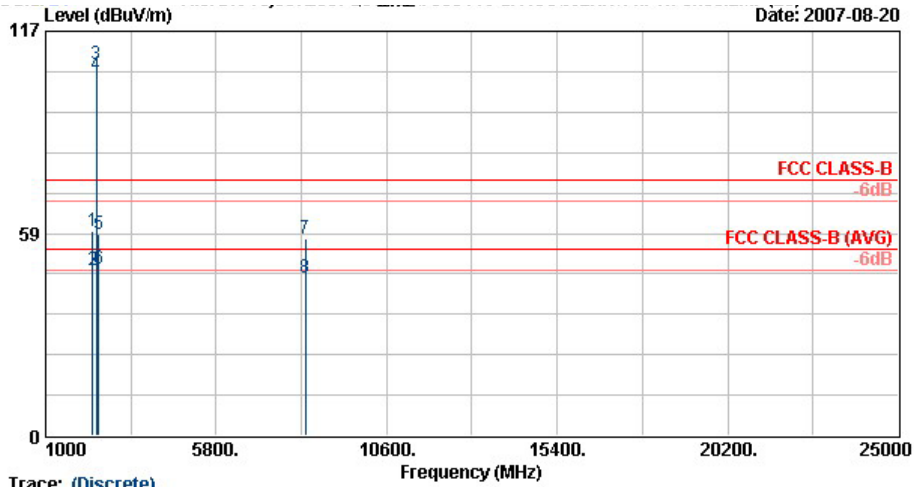
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CH06-HY
 Condition : LF-ANT(951121) HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/80Hz
 Model : FR 780314
 Memo : 802.11b Tx_CN06;2437MHz +Adaptor
 Data Rate : 1
 Plane : E2

	Freq	Level	Over Limit	Limit Line	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Pos	Pos	
					dB/m	dB	dB	cm	deg	
1	30.0	21.02	-18.98	40.00	32.19	19.66	0.63	31.46	103	114 Peak
2	91.3	18.73	-24.77	43.50	39.58	9.23	1.04	31.12	---	---
3	266.0	23.45	-22.55	46.00	40.04	12.56	1.80	30.96	---	---
4	376.3	21.89	-24.11	46.00	35.44	15.17	2.17	30.88	---	---
5	824.3	26.17	-19.83	46.00	33.13	19.99	3.51	30.46	---	---
6	990.9	26.91	-27.09	54.00	32.00	21.18	4.00	30.27	---	---



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/80Hz
 Model : FR 780314
 Memo : 802.11b Tx_Ch06;2437MHz +Adaptor
 Data Rate : 1
 Plane : E2

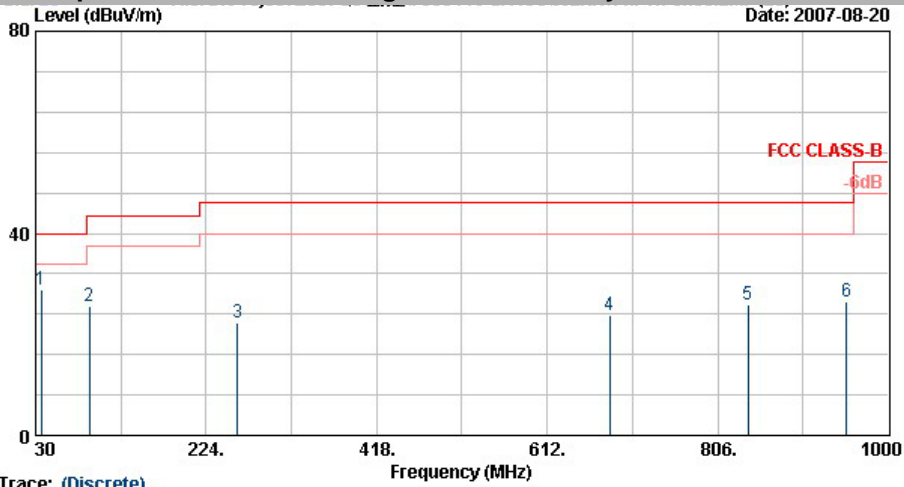
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB	dB	cm	deg	
1	2318.0	59.34	-14.66	74.00	60.85	30.23	3.66	35.40	100	0 Peak
2 @	2318.0	48.02	-5.98	54.00	49.53	30.23	3.66	35.40	100	30 Average
3 @	2437.0	107.40			108.78	30.28	3.82	35.47	100	0 Peak
4 @	2437.0	104.32			105.70	30.28	3.82	35.47	100	30 Average
5	2484.0	58.48	-15.52	74.00	59.84	30.29	3.86	35.51	100	0 Peak
6 @	2484.0	48.25	-5.75	54.00	49.61	30.29	3.86	35.51	100	30 Average
7	8307.0	56.87	-17.13	74.00	45.40	39.35	8.14	36.02	100	0 Peak
8 @	8307.0	45.87	-8.13	54.00	34.40	39.35	8.14	36.02	100	0 Average

Remark: #3 and #4 Fundamental Signal



- Polarization : Vertical

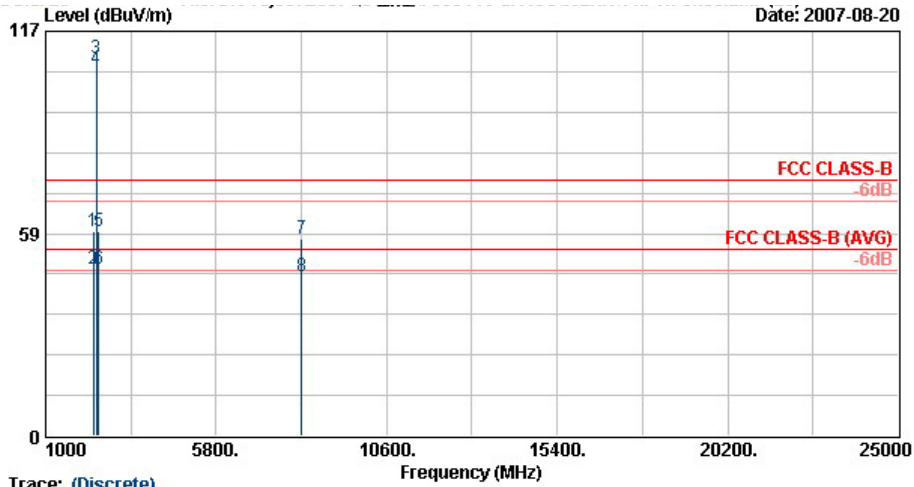
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CH06-HY
 Condition : LP-ANT(951121) VERTICAL
 EUT : Pocket PC phone Fox FCC
 Power : 120Vac/60Hz
 Model : FR 780314
 Memo : 802.11b Tx_CH06;2437MHz +Adaptor
 Data Rate : 1
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg		
1 @	36.5	28.87	-11.13	40.00	44.36	15.08	0.69	31.26	128	334 Peak	
2	91.3	25.56	-17.94	43.50	46.41	9.23	1.04	31.12	---	---	Peak
3	260.0	22.36	-23.64	46.00	39.08	12.45	1.77	30.95	---	---	Peak
4	682.9	23.89	-22.11	46.00	32.48	18.82	3.20	30.61	---	---	Peak
5	840.4	25.73	-20.27	46.00	32.49	20.10	3.57	30.44	---	---	Peak
6	952.4	26.55	-19.45	46.00	32.00	20.90	3.92	30.28	---	---	Peak



Trace: (Discrete)
 Site : 08CH06-HY
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 EUT : Pocket PC phone For FCC
 Power : 120Wac/80Hz
 Model : FR 780314
 Memo : 802.11b Tx_Ch06;2437MHz +Adaptor
 Data Rate : 1
 Plane : E2

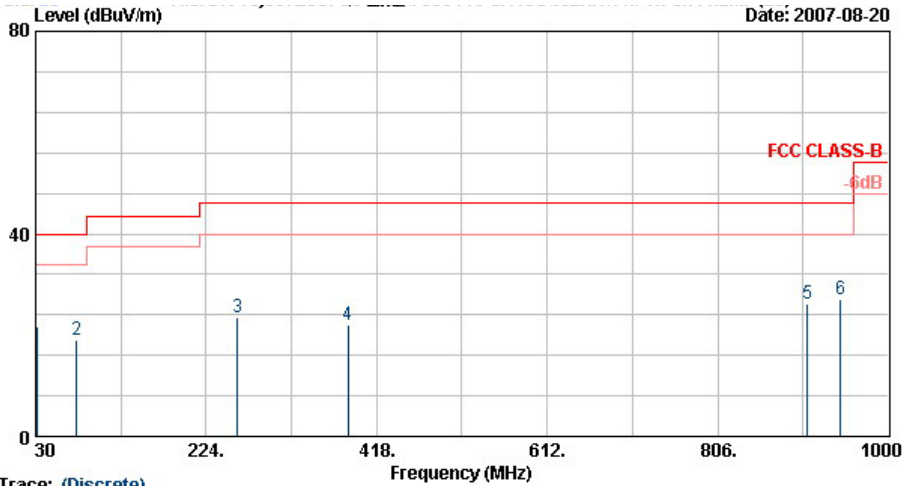
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg
1	2354.0	59.28	-14.72	74.00	60.75	30.24	3.71	35.42	100	0 Peak
2 @	2354.0	48.11	-5.89	54.00	49.58	30.24	3.71	35.42	100	208 Average
3 @	2437.0	109.11			110.52	30.27	3.79	35.47	100	0 Peak
4 @	2437.0	106.12			107.50	30.28	3.82	35.47	100	208 Average
5	2498.0	58.95	-15.05	74.00	60.30	30.30	3.88	35.53	100	0 Peak
6 @	2498.0	48.42	-5.58	54.00	49.77	30.30	3.88	35.53	100	208 Average
7	8196.0	57.12	-16.88	74.00	45.60	39.45	8.02	35.96	100	0 Peak
8 @	8196.0	46.12	-7.88	54.00	34.60	39.45	8.02	35.96	100	210 Average

Remark: #3 and #4 Fundamental Signal



- Test Mode : Mode 3
- Polarization : Horizontal

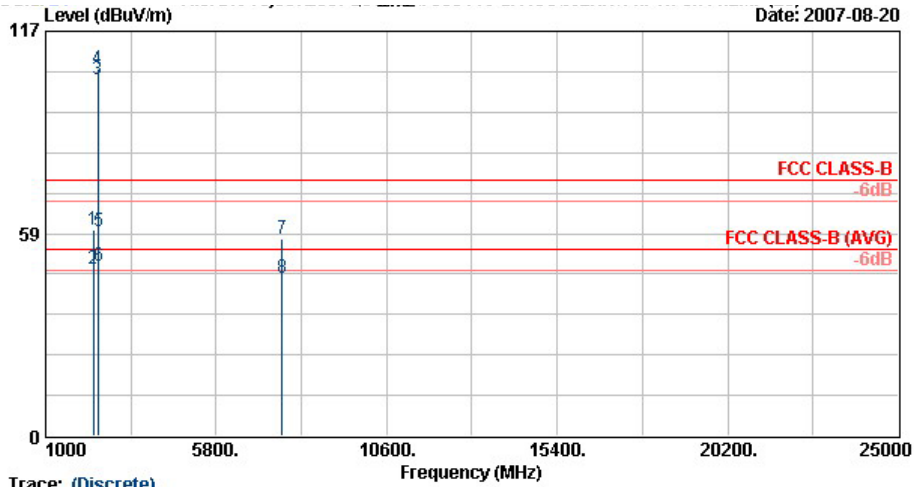
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CH06-HY
 Condition : LP-ANT(951121) HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/80Hz
 Model : FR 780314
 Memo : 802.11b Tx_Ch11;2462MHz +Adaptor
 Data Rate : 1
 Plane : E2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.1	21.65	-18.35	40.00	33.48	18.95	0.64	31.43	121	229	Peak
2	76.4	19.12	-20.88	40.00	42.01	7.29	0.95	31.13	---	---	Peak
3	260.0	23.61	-22.39	46.00	40.34	12.45	1.77	30.95	---	---	Peak
4	385.4	22.14	-23.86	46.00	35.43	15.39	2.19	30.87	---	---	Peak
5	908.3	26.19	-19.81	46.00	32.13	20.59	3.84	30.35	---	---	Peak
6	945.4	27.07	-18.93	46.00	32.59	20.85	3.91	30.29	---	---	Peak



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/60Hz
 Model : FR 780314
 Memo : 802.11b Tx_Ch11;2462MHz +Adaptor
 Data Rate : 1
 Plane : E2

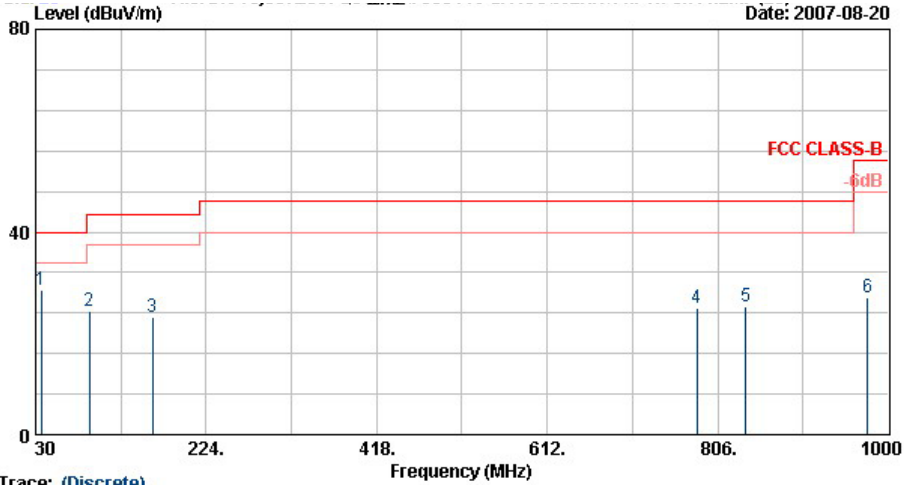
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB	dB	cm	deg	
1	2354.0	59.43	-14.57	74.00	60.90	30.24	3.71	35.42	100	0 Peak
2 !	2354.0	48.06	-5.94	54.00	49.53	30.24	3.71	35.42	100	26 Average
3 @	2462.0	103.03			104.40	30.29	3.84	35.49	100	26 Average
4 X	2462.0	106.33			107.70	30.29	3.84	35.49	100	0 Peak
5	2484.6	58.97	-15.03	74.00	60.33	30.29	3.86	35.51	100	0 Peak
6 !	2484.6	49.09	-4.91	54.00	50.45	30.29	3.86	35.51	100	26 Average
7	7647.0	56.99	-17.01	74.00	46.21	39.11	7.67	35.99	100	0 Peak
8	7647.0	45.79	-8.21	54.00	35.01	39.11	7.67	35.99	100	217 Average

Remark: #3 and #4 Fundamental Signal



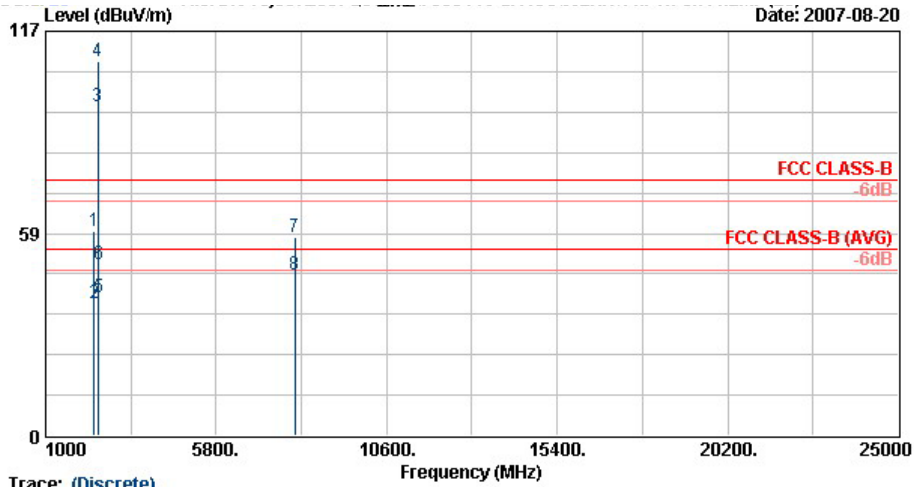
- Polarization : Vertical

The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LP-ANT(951121) VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/60Hz
 Model : FR 780314
 Memo : 802.11b Tx_Ch11;2462MHz +Adaptor
 Data Rate : 1
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	36.5	28.46	-11.54	40.00	43.95	15.08	0.69	31.26	114	310 Peak
2	91.3	24.46	-19.04	43.50	45.32	9.23	1.04	31.12	---	---
3	163.4	23.12	-20.38	43.50	42.69	10.05	1.40	31.02	---	---
4	782.3	25.10	-20.90	46.00	32.56	19.66	3.38	30.50	---	---
5	837.6	25.34	-20.66	46.00	32.13	20.09	3.57	30.45	---	---
6	976.9	27.15	-26.85	54.00	32.38	21.07	3.97	30.27	---	---



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/60Hz
 Model : FR 780314
 Memo : 802.11b Tx_Ch11;2462MHz +Adaptor
 Data Rate : 1
 Plane : E2

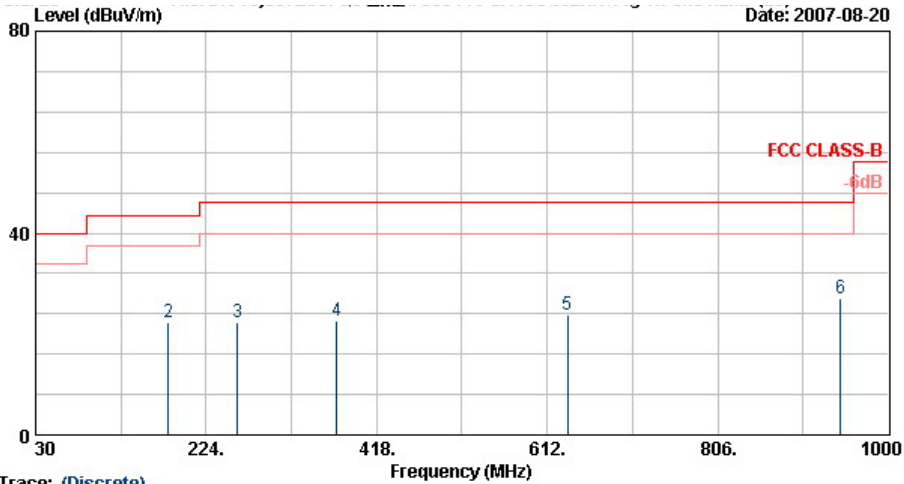
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB	dB	cm	deg	
1	2374.0	59.16	-14.84	74.00	60.62	30.25	3.73	35.44	100	0 Peak
2	2374.0	38.09	-15.91	54.00	39.55	30.25	3.73	35.44	100	209 Average
3 @	2462.0	95.09			96.46	30.29	3.84	35.49	100	209 Average
4 X	2462.0	108.36			109.73	30.29	3.84	35.49	100	0 Peak
5	2488.0	40.04	-13.96	54.00	41.39	30.30	3.86	35.51	100	209 Average
6	2488.0	49.48	-24.52	74.00	50.83	30.30	3.86	35.51	100	209 Peak
7	8022.0	57.62	-16.38	74.00	46.07	39.59	7.83	35.86	100	0 Peak
8	8022.0	46.32	-7.68	54.00	34.77	39.59	7.83	35.86	100	0 Average

Remark: #3 and #4 Fundamental Signal



- Test Mode : Mode 4
- Polarization : Horizontal

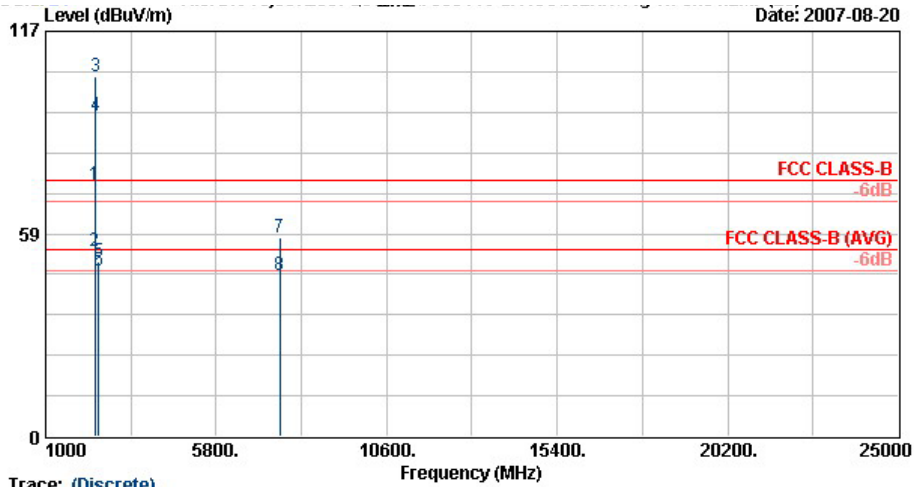
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CH06-HY
 Condition : LF-ANT(951121) HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_CH01;2412MHz +Adaptor
 Data Rate : 54
 Plane : E2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.0	21.19	-18.81	40.00	32.36	19.66	0.63	31.46	110	241	Peak
2	180.9	22.36	-21.14	43.50	42.50	9.43	1.47	31.04	---	---	Peak
3	260.0	22.22	-23.78	46.00	38.95	12.45	1.77	30.95	---	---	Peak
4	372.8	22.57	-23.43	46.00	36.22	15.07	2.16	30.88	---	---	Peak
5	635.3	23.82	-22.18	46.00	32.80	18.62	3.06	30.65	---	---	Peak
6	945.4	27.05	-18.95	46.00	32.57	20.85	3.91	30.29	---	---	Peak



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120V_{ac}/60Hz
 Model : FR 780314
 Memo : 802.11g Tx_CH01;2412MHz +Adaptor
 Data Rate : 54
 Plane : E2

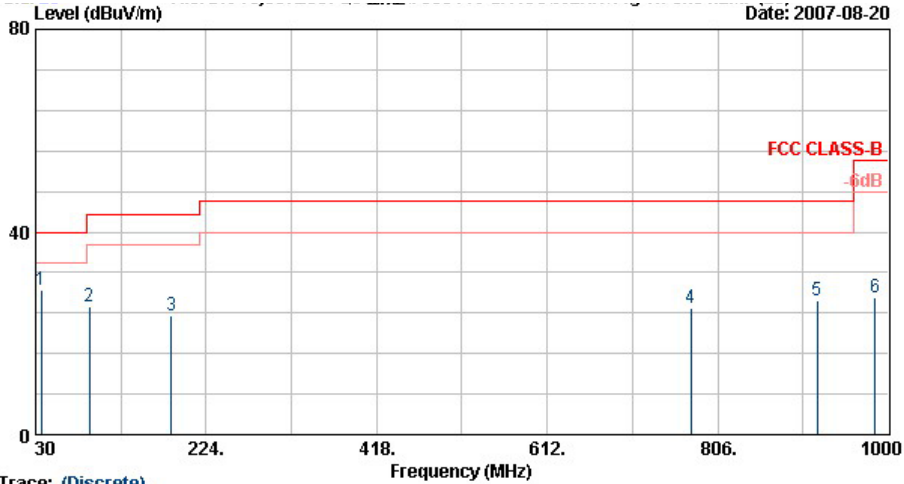
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	2390.0	72.56	-1.44	74.00	74.12	29.69	4.26	35.51	100	0 Peak
2 @	2390.0	53.66	-0.34	54.00	55.22	29.69	4.26	35.51	100	89 Average
3 @	2412.0	104.11			105.53	30.27	3.77	35.46	100	0 Peak
4 @	2412.0	92.82			94.24	30.27	3.77	35.46	100	89 Average
5	2498.0	50.36	-23.64	74.00	51.70	30.30	3.88	35.53	100	0 Peak
6 @	2498.0	47.83	-6.17	54.00	49.18	30.30	3.88	35.53	100	89 Average
7	7596.0	57.44	-16.56	74.00	46.77	39.04	7.64	36.01	100	0 Peak
8 @	7596.0	46.44	-7.56	54.00	35.77	39.04	7.64	36.01	100	221 Average

Remark: #3 and #4 Fundamental Signal



- Polarization : Vertical

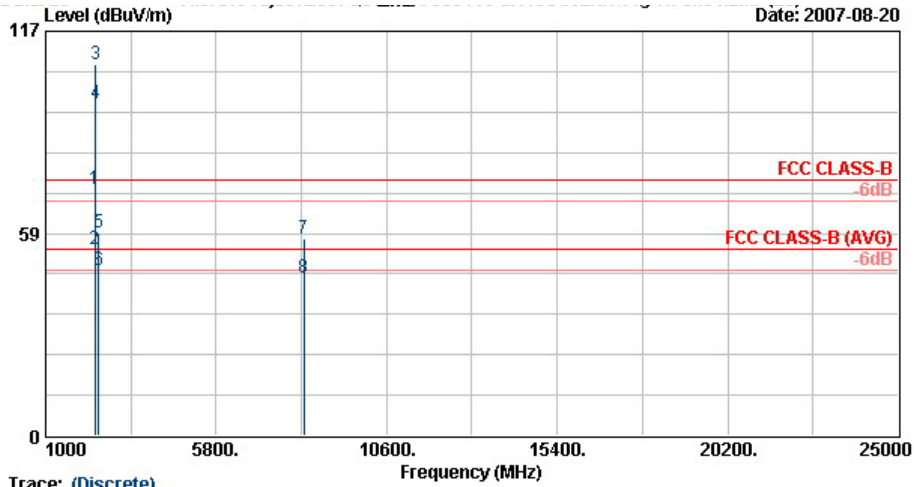
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 09CH06-HY
 Condition : LF-ANT(951121) VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/60Hz
 Model : FR 780314
 Memo : 802.11g Tx_Ch01;2412MHz +Adaptor
 Data Rate : 54
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	36.5	28.68	-11.32	40.00	44.16	15.08	0.69	31.26	221	104 Peak
2	91.3	25.39	-18.11	43.50	46.24	9.23	1.04	31.12	---	Peak
3	184.4	23.55	-19.95	43.50	43.69	9.41	1.48	31.03	---	Peak
4	775.3	25.11	-20.89	46.00	32.67	19.59	3.37	30.51	---	Peak
5	918.8	26.39	-19.61	46.00	32.21	20.66	3.86	30.34	---	Peak
6	985.3	27.11	-26.89	54.00	32.25	21.14	3.99	30.27	---	Peak



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_Ch01;2412MHz +Adaptor
 Data Rate : 54
 Plane : E2

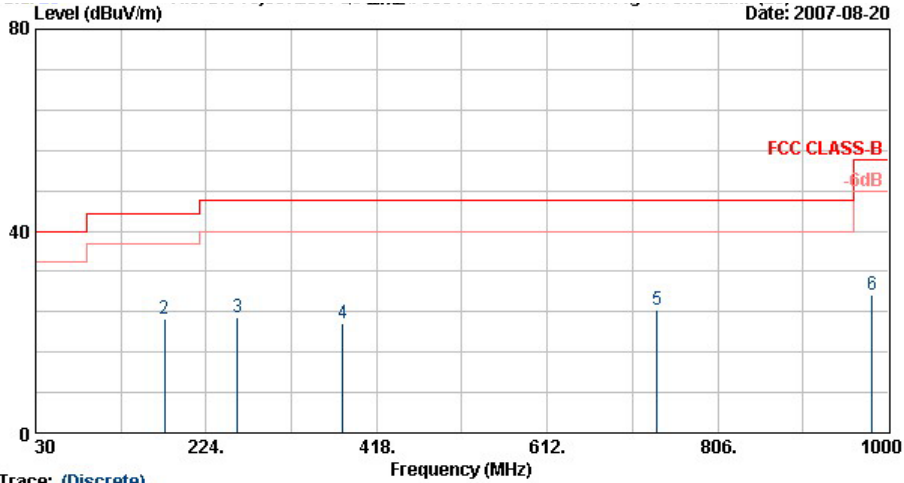
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	2390.0	71.54	-2.46	74.00	72.99	30.26	3.75	35.46	100	0 Peak
2 @	2390.0	53.89	-0.11	54.00	55.34	30.26	3.75	35.46	100	194 Average
3 @	2412.0	107.51			108.92	30.27	3.77	35.46	100	0 Peak
4 @	2412.0	96.00			97.42	30.27	3.77	35.46	100	194 Average
5	2498.0	58.53	-15.47	74.00	59.88	30.30	3.88	35.53	100	0 Peak
6 @	2498.0	48.03	-5.97	54.00	49.38	30.30	3.88	35.53	100	194 Average
7	8271.0	56.78	-17.22	74.00	45.30	39.38	8.10	36.00	100	0 Peak
8 @	8271.0	45.78	-8.22	54.00	34.30	39.38	8.10	36.00	100	0 Average

Remark: #3 and #4 Fundamental Signal



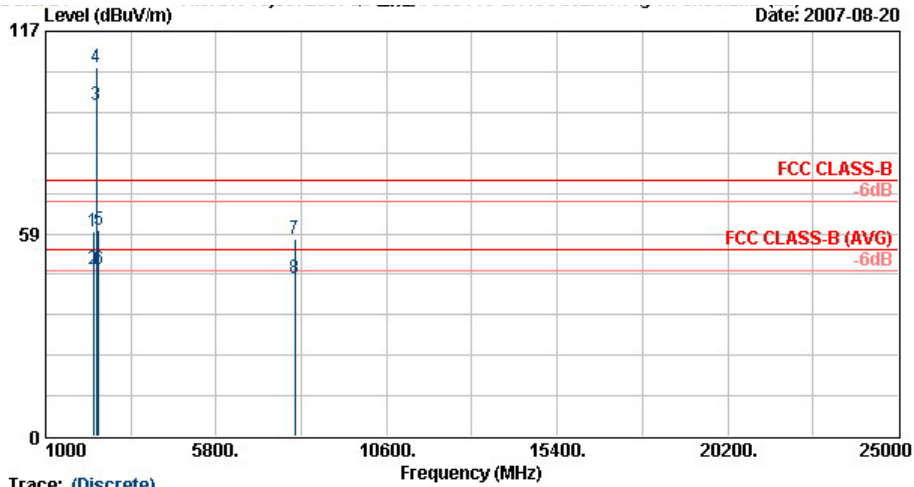
- Test Mode : Mode 5
- Polarization : Horizontal

The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LP-ANT(951121) HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_CH06;2437MHz +Adaptor
 Data Rate : 54
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.3	21.23	-18.77	40.00	32.40	19.66	0.63	31.46	114	224	Peak
2	176.3	22.46	-21.04	43.50	42.34	9.69	1.45	31.02	---	---	Peak
3	260.0	22.76	-23.24	46.00	39.48	12.45	1.77	30.95	---	---	Peak
4	379.8	21.68	-24.32	46.00	35.11	15.26	2.18	30.88	---	---	Peak
5	736.8	24.50	-21.50	46.00	32.50	19.23	3.31	30.55	---	---	Peak
6	981.8	27.27	-26.73	54.00	32.45	21.11	3.98	30.27	---	---	Peak



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120V_{ac}/60Hz
 Model : FR 780314
 Memo : 802.11g Tx_CH06;2437MHz +Adaptor
 Data Rate : 54
 Plane : E2

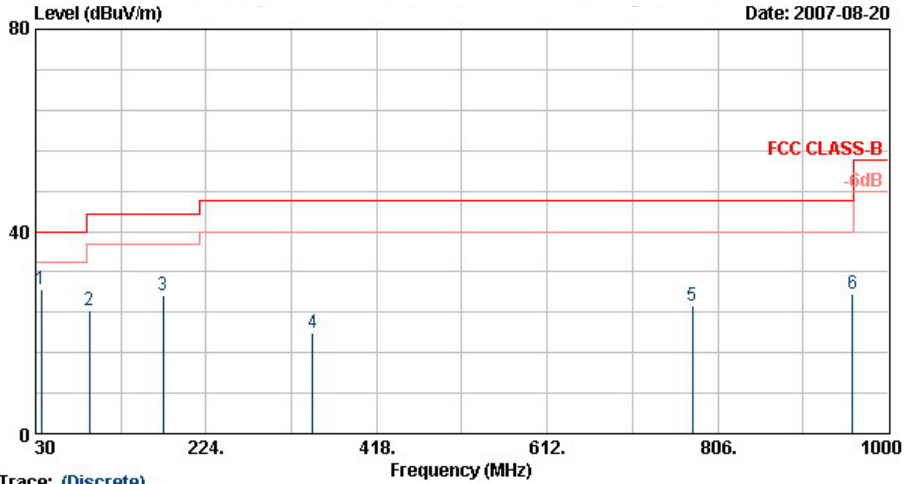
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2334.0	59.17	-14.83	74.00	60.66	30.23	3.69	35.40	100	0 Peak
2 !	2334.0	48.09	-5.91	54.00	49.58	30.23	3.69	35.40	100	29 Average
3 X	2437.0	95.53			96.94	30.27	3.79	35.47	100	29 Average
4 X	2437.0	106.72			108.12	30.27	3.79	35.47	100	0 Peak
5	2488.0	59.67	-14.33	74.00	61.03	30.30	3.86	35.51	100	0 Peak
6 !	2488.0	48.09	-5.91	54.00	49.44	30.30	3.86	35.51	100	29 Average
7	8016.0	56.98	-17.02	74.00	45.44	39.59	7.81	35.86	100	0 Peak
8	8016.0	45.78	-8.22	54.00	34.24	39.59	7.81	35.86	100	241 Average

Remark: #3 and #4 Fundamental Signal



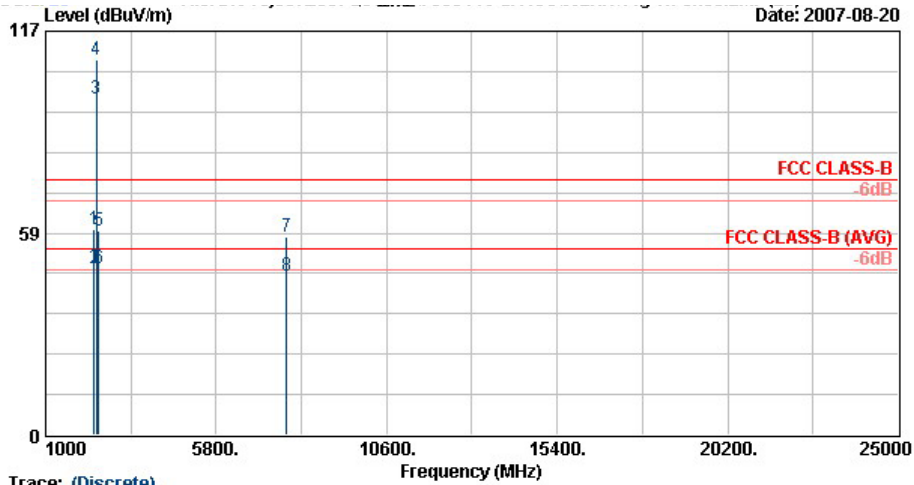
- Polarization : Vertical

The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LF-ANTY(951121) VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_CH06;2437MHz +Adaptor
 Data Rate : 54
 Plane : E2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	36.5	28.65	-11.35	40.00	44.14	15.08	0.69	31.26	110	221	Peak
2	91.3	24.29	-19.21	43.50	45.14	9.23	1.04	31.12	---	---	Peak
3	175.0	27.40	-16.10	43.50	47.16	9.82	1.44	31.02	---	---	Peak
4	344.8	20.02	-25.98	46.00	34.46	14.37	2.08	30.90	---	---	Peak
5	777.4	25.24	-20.76	46.00	32.76	19.61	3.37	30.51	---	---	Peak
6	959.4	27.67	-18.33	46.00	33.06	20.95	3.94	30.28	---	---	Peak



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_Ch06;2437MHz +Adaptor
 Data Rate : 54
 Plane : E2

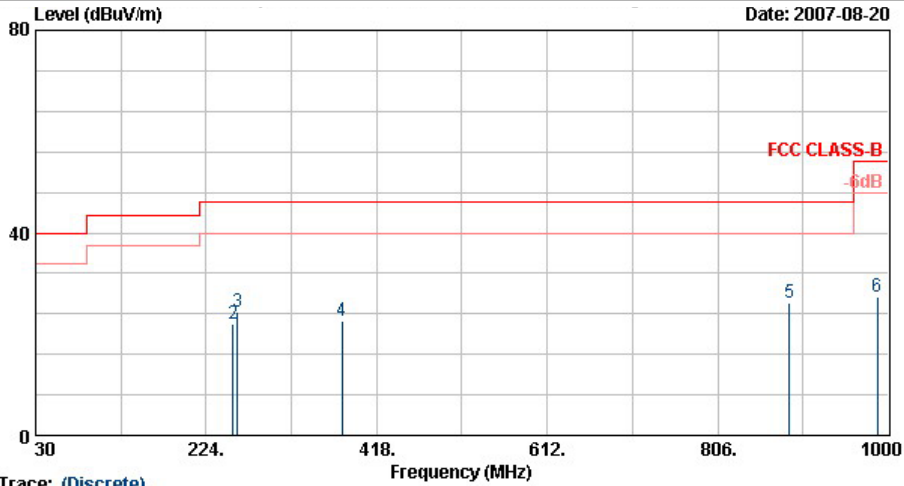
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	Level	Loss	Factor	Pos	Pos	
					Factor	Factor		cm	deg	
1	2374.0	59.50	-14.50	74.00	60.96	30.25	3.73	35.44	100	0 Peak
2 !	2374.0	48.07	-5.93	54.00	49.53	30.25	3.73	35.44	100	207 Average
3 @	2437.0	97.38			98.76	30.28	3.82	35.47	100	207 Average
4 X	2437.0	108.90			110.31	30.27	3.79	35.47	100	0 Peak
5	2488.0	59.06	-14.94	74.00	60.41	30.30	3.86	35.51	100	0 Peak
6 !	2488.0	48.31	-5.69	54.00	49.66	30.30	3.86	35.51	100	207 Average
7	7791.0	57.23	-16.77	74.00	46.15	39.30	7.71	35.94	100	0 Peak
8	7791.0	46.23	-7.77	54.00	35.15	39.30	7.71	35.94	100	0 Average

Remark: #3 and #4 Fundamental Signal



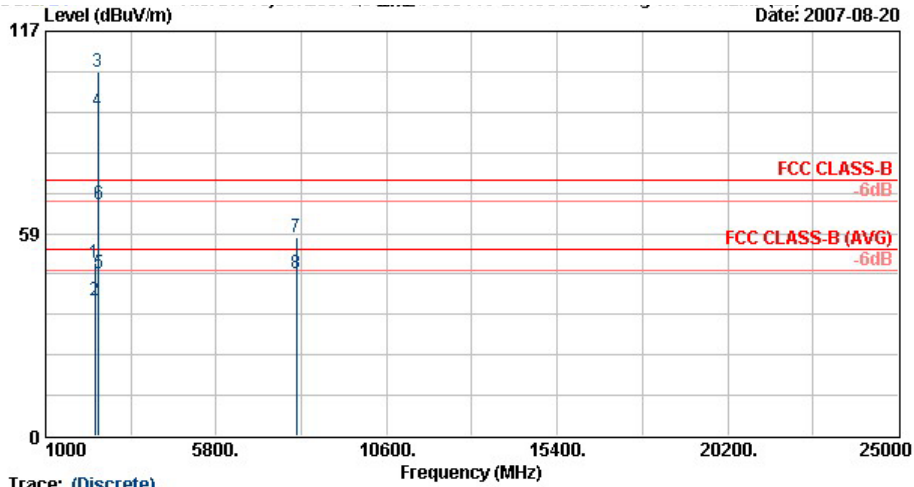
- Test Mode : Mode 6
- Polarization : Horizontal

The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : LP-ANT(951121) HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_Ch11;2462MHz +Adaptor
 Data Rate : 54
 Plane : E2

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	30.5	21.57	-18.43	40.00	33.40	18.95	0.64	31.43	100	241	Peak
2	254.6	21.90	-24.10	46.00	38.72	12.36	1.75	30.94	---	---	Peak
3	260.0	24.47	-21.53	46.00	41.19	12.45	1.77	30.95	---	---	Peak
4	378.4	22.56	-23.44	46.00	36.05	15.22	2.17	30.88	---	---	Peak
5	887.3	26.07	-19.93	46.00	32.25	20.44	3.77	30.39	---	---	Peak
6	987.4	27.42	-26.58	54.00	32.55	21.15	3.99	30.27	---	---	Peak



Trace: (Discrete)

Site : 08CH06-HY
 Condition : SHF-EHF HORN HORIZONTAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_Ch11;2462MHz +Adaptor
 Data Rate : 54
 Plane : E2

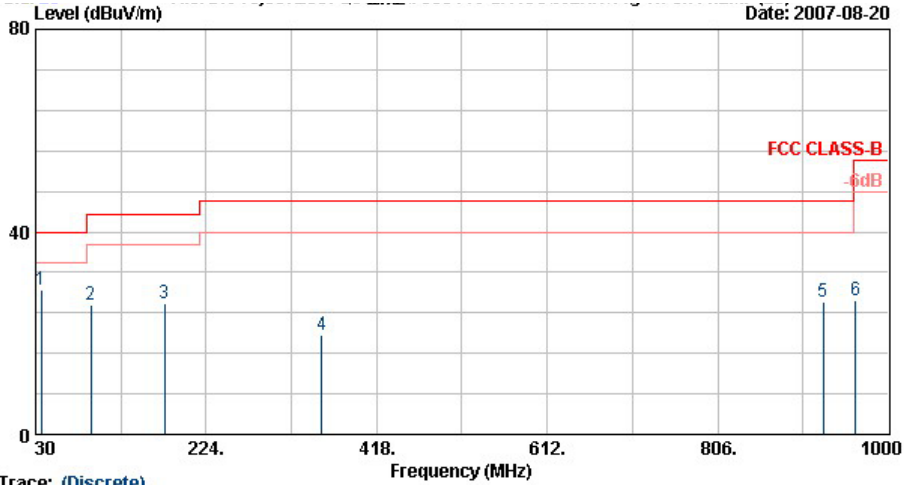
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2384.0	50.10	-23.90	74.00	51.54	30.25	3.75	35.44	100	0	Peak
2 @	2384.0	39.05	-14.95	54.00	40.49	30.25	3.75	35.44	100	89	Average
3 @	2462.0	105.33			106.69	30.29	3.84	35.49	100	0	Peak
4 @	2462.0	93.97			95.34	30.29	3.84	35.49	100	89	Average
5 @	2483.5	46.91	-7.09	54.00	48.27	30.29	3.86	35.51	100	89	Average
6 @	2483.5	66.89	-7.11	74.00	68.25	30.29	3.86	35.51	100	0	Peak
7 @	8061.0	57.58	-16.42	74.00	46.04	39.56	7.87	35.89	100	0	Peak
8 @	8061.0	46.98	-7.02	54.00	35.44	39.56	7.87	35.89	100	108	Average

Remark: #3 and #4 Fundamental Signal



- Polarization : Vertical

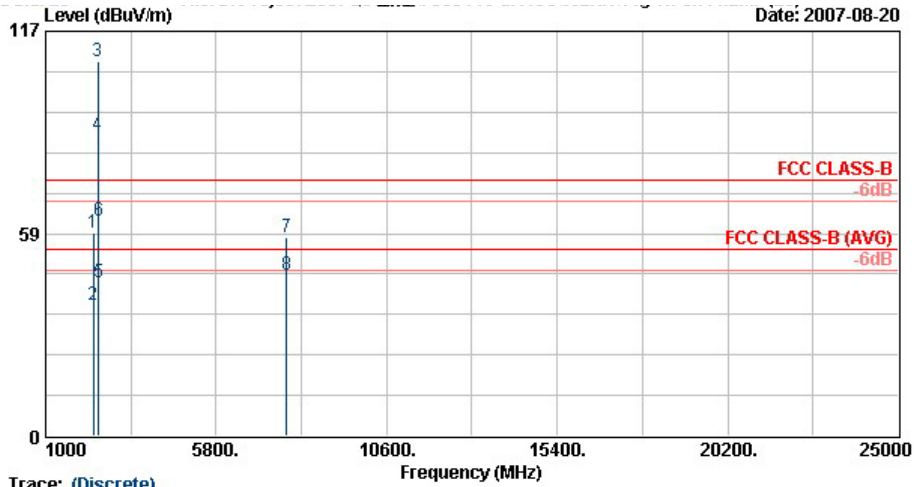
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CH06-HY
 Condition : LP-ANT(951121) VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Vac/60Hz
 Model : FR 780314
 Memo : 802.11g Tx_Ch11;2462MHz +Adaptor
 Data Rate : 54
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	36.5	28.42	-11.58	40.00	43.90	15.08	0.69	31.26	100	249 Peak
2 @	92.6	25.50	-18.00	43.50	45.95	9.62	1.05	31.11	---	---
3 @	176.9	25.85	-17.65	43.50	45.73	9.69	1.45	31.03	---	---
4	355.3	19.68	-26.32	46.00	33.84	14.62	2.11	30.89	---	---
5	925.8	26.16	-19.84	46.00	31.90	20.72	3.87	30.32	---	---
6	962.9	26.60	-27.40	54.00	31.95	20.98	3.95	30.28	---	---



Trace: (Discrete)
 Site : 08CH06-HY
 Condition : SHF-EHF HORN VERTICAL
 EUT : Pocket PC phone For FCC
 Power : 120Wac/80Hz
 Model : FR 780314
 Memo : 802.11g Tx_Ch11;2462MHz +Adaptor
 Data Rate : 54
 Plane : E2

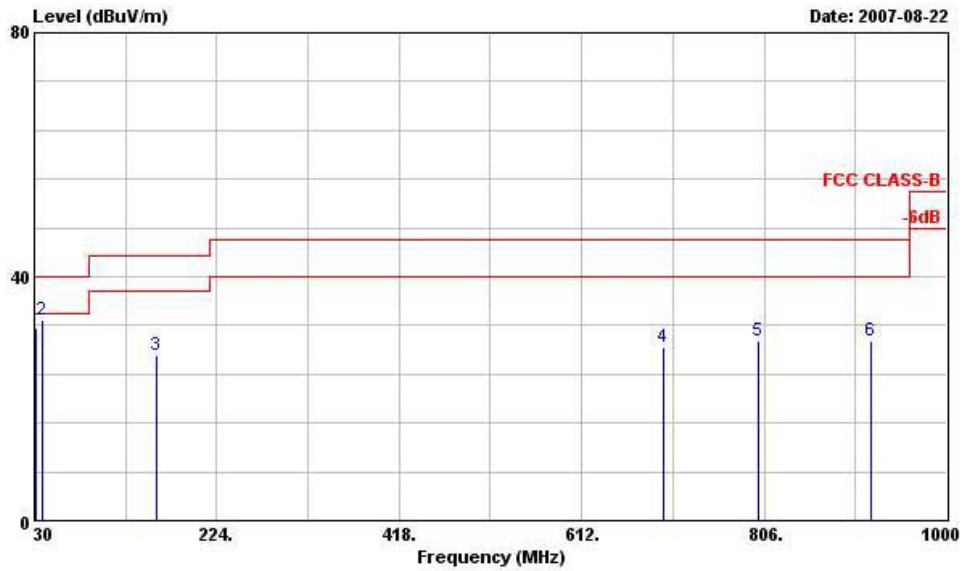
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	dB	dBUV/m	dBuV	dB	dB	cm	deg	
1 @	2334.0	58.85	-15.15	74.00	60.34	30.23	3.69	35.40	100	0 Peak
2 @	2334.0	38.02	-15.98	54.00	39.51	30.23	3.69	35.40	100	211 Average
3 @	2462.0	108.38			109.75	30.29	3.84	35.49	100	0 Peak
4 @	2462.0	87.00			88.37	30.29	3.84	35.49	100	211 Average
5 @	2483.5	44.30	-9.70	54.00	45.66	30.29	3.86	35.51	100	211 Average
6 @	2483.5	62.02	-11.98	74.00	63.38	30.29	3.86	35.51	100	0 Peak
7 @	7791.0	57.55	-16.45	74.00	46.47	39.30	7.71	35.94	100	0 Peak
8 @	7791.0	46.55	-7.45	54.00	35.47	39.30	7.71	35.94	100	0 Average

Remark: #3 and #4 Fundamental Signal



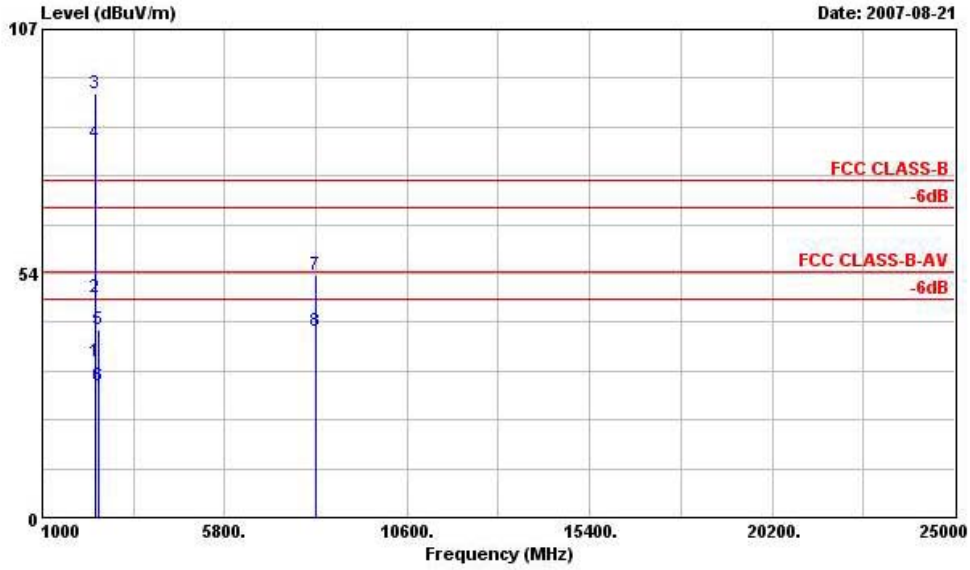
- Test Mode : Mode 7
- Polarization : Horizontal

The test that passed at minimum margin was marked by the frame in the following table.



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch00;2402MHz
 DATA RATE: DH5
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table		
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Pos	Pos	Remark	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.890	31.58	-8.42	40.00	47.33	16.34	0.89	32.98	---	---	Peak
2 @	39.180	32.91	-7.09	40.00	52.18	12.71	0.96	32.94	100	256	Peak
3	159.330	27.04	-16.46	43.50	48.98	9.36	1.69	32.99	---	---	Peak
4	699.700	28.34	-17.66	46.00	36.78	20.14	3.50	32.07	---	---	Peak
5	799.800	29.44	-16.56	46.00	37.76	19.85	3.54	31.71	---	---	Peak
6	920.200	29.39	-16.61	46.00	32.82	24.03	3.97	31.43	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch00;2402MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

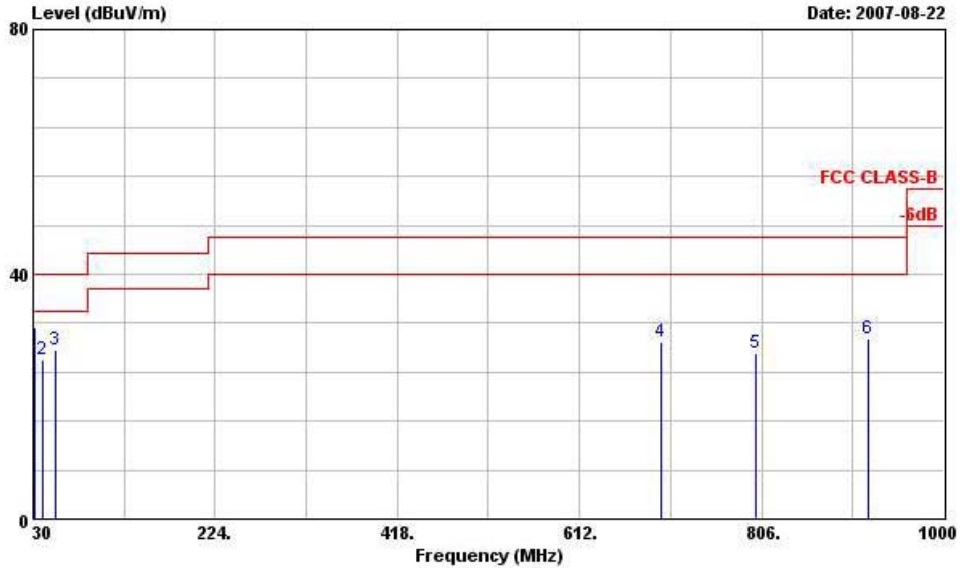
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2390.000	34.02	-19.98	54.00	35.99	28.07	3.74	33.78	100	346	Average
2	2390.000	48.09	-25.91	74.00	50.06	28.07	3.74	33.78	100	0	Peak
3 @	2402.000	92.78			94.71	28.11	3.74	33.78	100	0	Peak
4 @	2402.000	81.86			83.83	28.07	3.74	33.78	100	346	Average
5	2486.000	41.23	-32.77	74.00	42.93	28.26	3.84	33.80	100	0	Peak
6	2486.000	28.71	-25.29	54.00	30.41	28.26	3.84	33.80	100	346	Average
7	8190.000	53.03	-20.97	74.00	43.00	37.07	6.86	33.89	100	0	Peak
8	8190.000	40.68	-13.32	54.00	30.65	37.07	6.86	33.89	100	236	Average

Remark: #3 and #4 Fundamental Signal



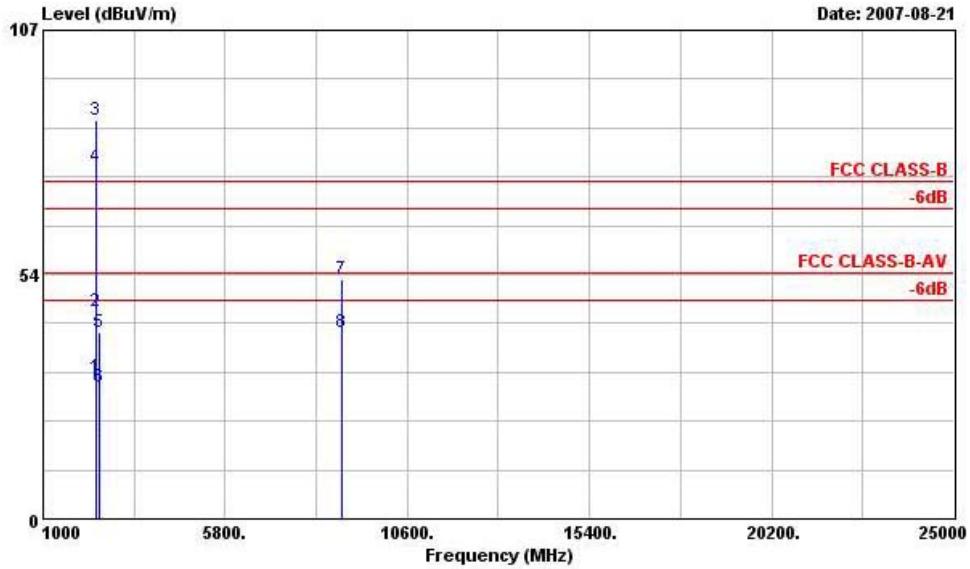
- Polarization : Vertical

The test that passed at minimum margin was marked by the frame in the following table.



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANTI2724 VERTICAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch00;2402MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.620	31.19	-8.81	40.00	46.95	16.34	0.88	32.98	100	345	Peak
2	39.450	26.05	-13.95	40.00	46.17	11.82	0.96	32.90	---	---	Peak
3	53.220	27.67	-12.33	40.00	53.56	5.93	1.06	32.88	---	---	Peak
4	699.700	28.98	-17.02	46.00	37.42	20.14	3.50	32.07	---	---	Peak
5	799.800	27.21	-18.79	46.00	35.53	19.85	3.54	31.71	---	---	Peak
6	920.200	29.60	-16.40	46.00	33.03	24.03	3.97	31.43	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch00;2402MHz
 DATA RATE:DH5
 PLANE : E2
 ADAPTOR : 1

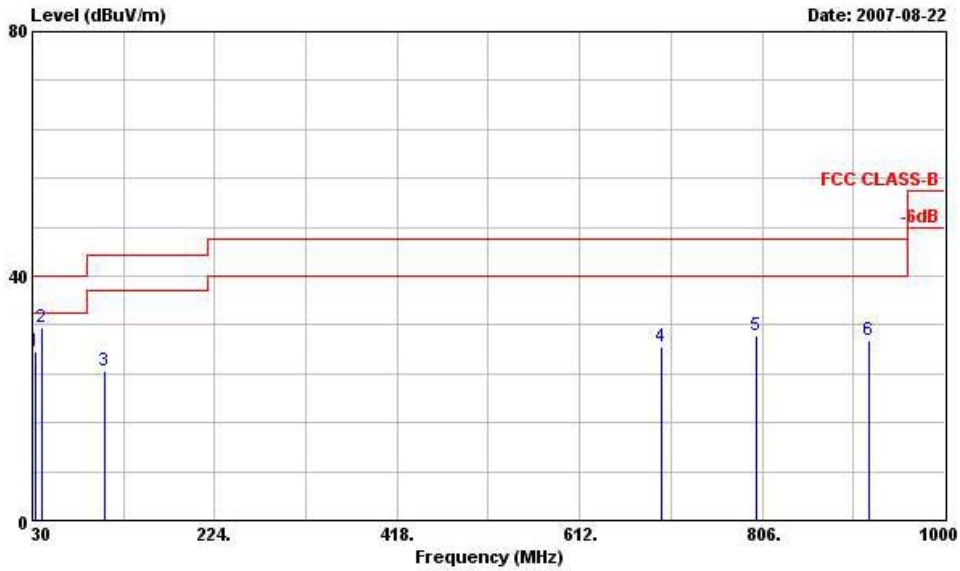
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Loss	Factor	Pos	Pos	Remark
					Factor	Factor		cm	deg	
1	2390.000	31.02	-22.98	54.00	32.99	28.07	3.74	33.78	109	41 Average
2	2390.000	45.49	-28.51	74.00	47.46	28.07	3.74	33.78	100	0 Peak
3 @	2402.000	87.42			89.35	28.11	3.74	33.78	100	0 Peak
4 @	2402.000	77.10			79.07	28.07	3.74	33.78	109	41 Average
5	2486.000	40.92	-33.08	74.00	42.62	28.26	3.84	33.80	100	0 Peak
6	2486.000	28.70	-25.30	54.00	30.40	28.26	3.84	33.80	109	41 Average
7	8862.000	52.46	-21.54	74.00	42.01	37.92	7.21	34.68	100	0 Peak
8	8862.000	40.90	-13.10	54.00	30.45	37.92	7.21	34.68	100	236 Average

Remark: #3 and #4 Fundamental Signal



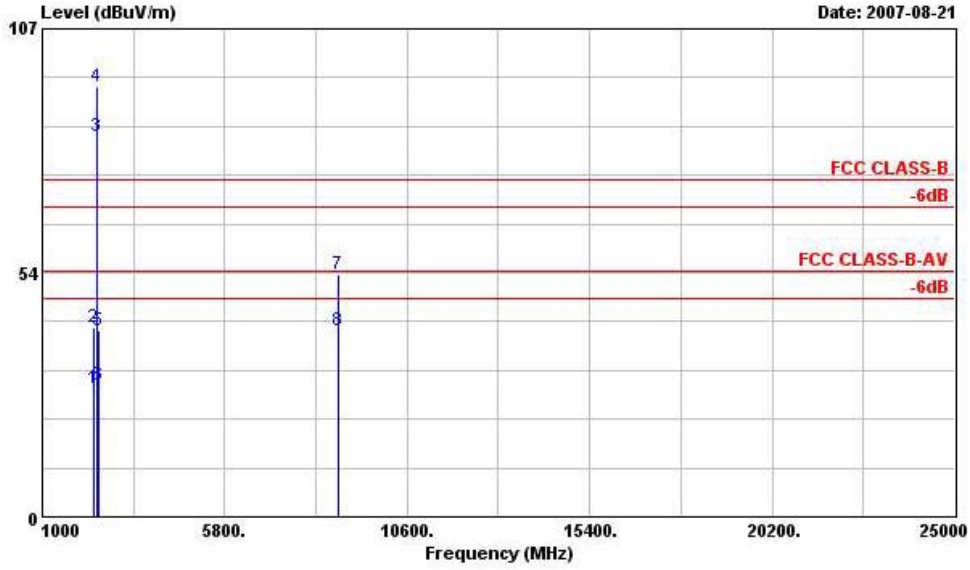
- Test Mode : Mode 8
- Polarization : Horizontal

The test that passed at minimum margin was marked by the frame in the following table.



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch39;2441MHz
 DATA RATE: DH5
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	32.700	27.65	-12.35	40.00	43.45	16.33	0.90	33.02	---	---	Peak
2 @	39.450	31.54	-8.46	40.00	51.66	11.82	0.96	32.90	100	256	Peak
3	106.410	24.56	-18.94	43.50	47.12	8.88	1.41	32.85	---	---	Peak
4	699.700	28.34	-17.66	46.00	36.78	20.14	3.50	32.07	---	---	Peak
5	799.800	30.22	-15.78	46.00	38.54	19.85	3.54	31.71	---	---	Peak
6	920.200	29.53	-16.47	46.00	32.96	24.03	3.97	31.43	---	---	Peak



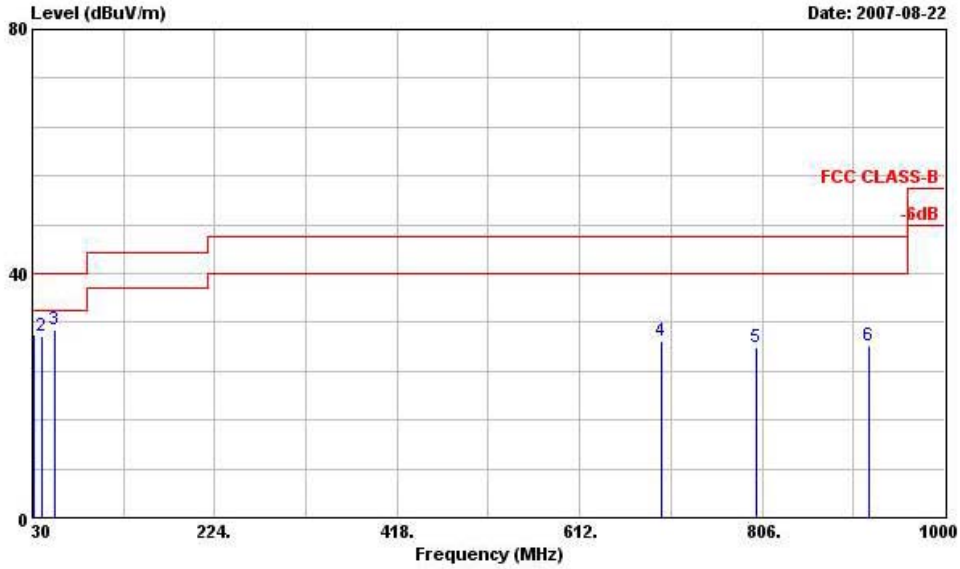
Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch39;2441MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2356.000	28.27	-25.73	54.00	30.36	28.00	3.69	33.77	100	107 Average
2	2356.000	41.40	-32.60	74.00	43.49	28.00	3.69	33.77	100	0 Peak
3 @	2441.000	83.59			85.41	28.19	3.79	33.79	100	107 Average
4 @	2441.000	94.42			96.24	28.19	3.79	33.79	100	0 Peak
5	2500.000	40.94	-33.06	74.00	42.60	28.30	3.84	33.80	100	0 Peak
6	2500.000	28.84	-25.16	54.00	30.50	28.30	3.84	33.80	100	107 Average
7	8790.000	53.31	-20.69	74.00	42.92	37.84	7.17	34.62	100	0 Peak
8	8790.000	40.89	-33.11	74.00	30.50	37.84	7.17	34.62	100	256 Peak

Remark: #3 and #4 Fundamental Signal

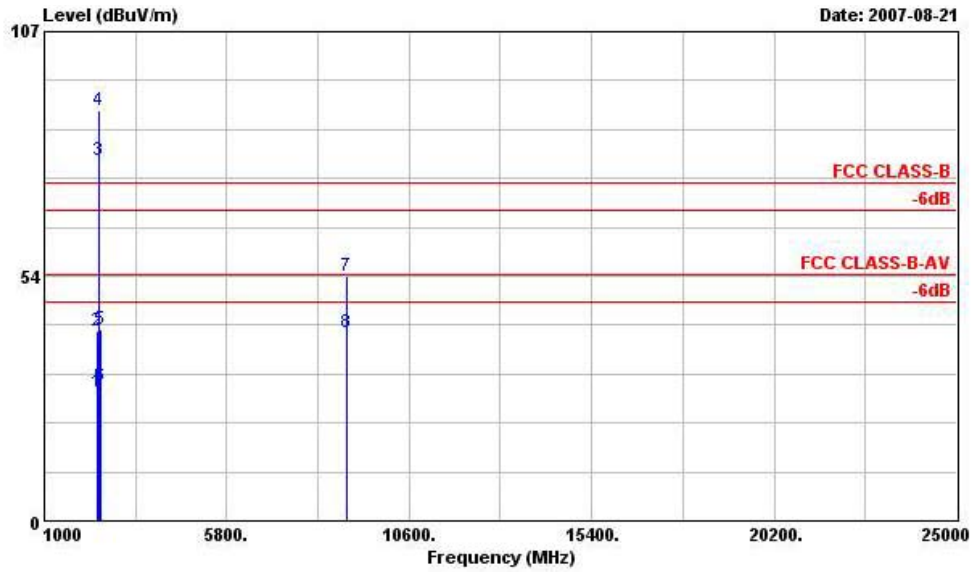


Polarization : Vertical



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch39;2441MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over	Limit	ReadAntenna		Cable Preamp		Ant	Table	Remark
			Limit	Line	Level	Factor	Loss	Factor			
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.890	30.13	-9.87	40.00	45.88	16.34	0.89	32.98	---	---	Peak
2	39.450	29.68	-10.32	40.00	49.80	11.82	0.96	32.90	---	---	Peak
3	53.490	30.77	-9.23	40.00	56.66	5.93	1.06	32.88	100	322	Peak
4	699.700	29.01	-16.99	46.00	37.45	20.14	3.50	32.07	---	---	Peak
5	799.800	28.00	-18.00	46.00	36.32	19.85	3.54	31.71	---	---	Peak
6	920.200	28.20	-17.80	46.00	31.63	24.03	3.97	31.43	---	---	Peak



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch39;2441MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

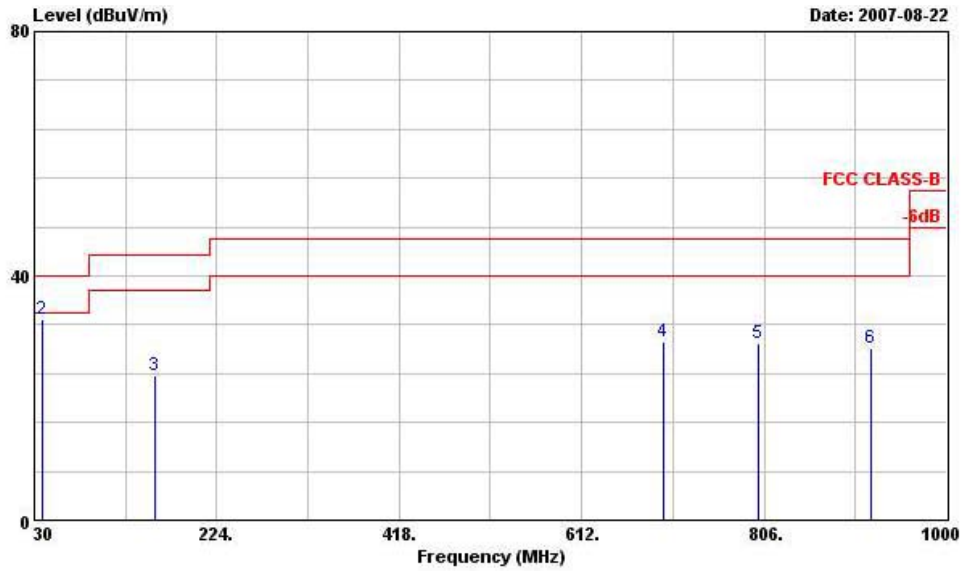
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	Level	Loss	Factor	Pos	Pos	Remark
					Factor	Factor		cm	deg	
1	2382.000	28.27	-25.73	54.00	30.27	28.03	3.74	33.78	100	60 Average
2	2382.000	41.38	-32.62	74.00	43.38	28.03	3.74	33.78	100	0 Peak
3 @	2441.000	78.77			80.59	28.19	3.79	33.79	100	60 Average
4 @	2441.000	89.67			91.48	28.19	3.79	33.79	100	0 Peak
5	2486.000	42.05	-31.95	74.00	43.75	28.26	3.84	33.80	100	0 Peak
6	2486.000	29.73	-24.27	54.00	31.43	28.26	3.84	33.80	100	60 Average
7	8937.000	53.41	-20.59	74.00	42.88	38.02	7.25	34.74	100	0 Peak
8	8937.000	41.03	-12.97	54.00	30.50	38.02	7.25	34.74	100	256 Average

Remark: #3 and #4 Fundamental Signal



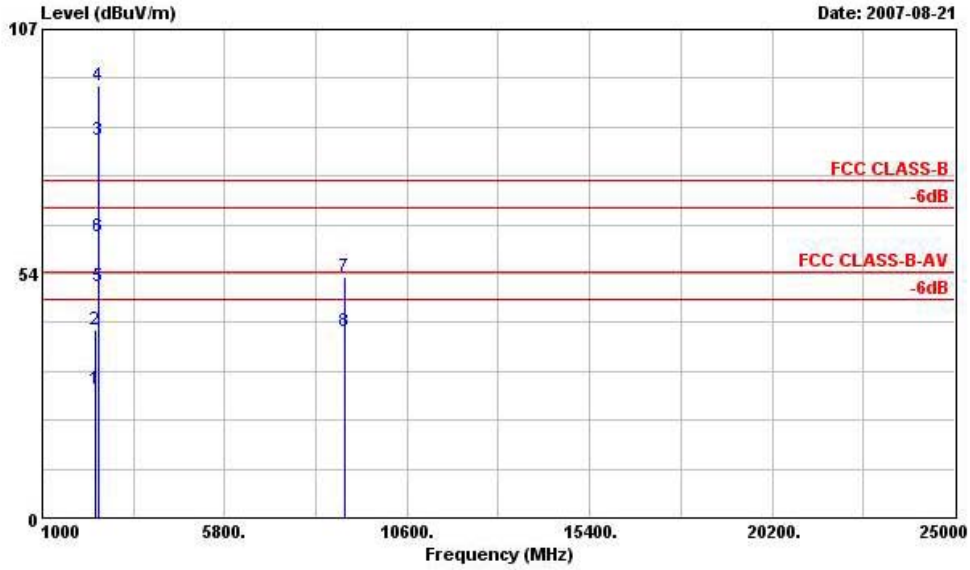
- Test Mode : Mode 9
- Polarization : Horizontal

The test that passed at minimum margin was marked by the frame in the following table.



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 HORIZONTAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch78;2480MHz
 DATA RATE: DH5
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	30.540	32.06	-7.94	40.00	47.77	16.36	0.87	32.93	---	---	Peak
2	39.180	32.85	-7.15	40.00	52.12	12.71	0.96	32.94	100	288	Peak
3	159.060	23.77	-19.73	43.50	45.71	9.36	1.69	32.99	---	---	Peak
4	699.700	29.26	-16.74	46.00	37.70	20.14	3.50	32.07	---	---	Peak
5	799.800	28.92	-17.08	46.00	37.24	19.85	3.54	31.71	---	---	Peak
6	920.200	28.06	-17.94	46.00	31.49	24.03	3.97	31.43	---	---	Peak



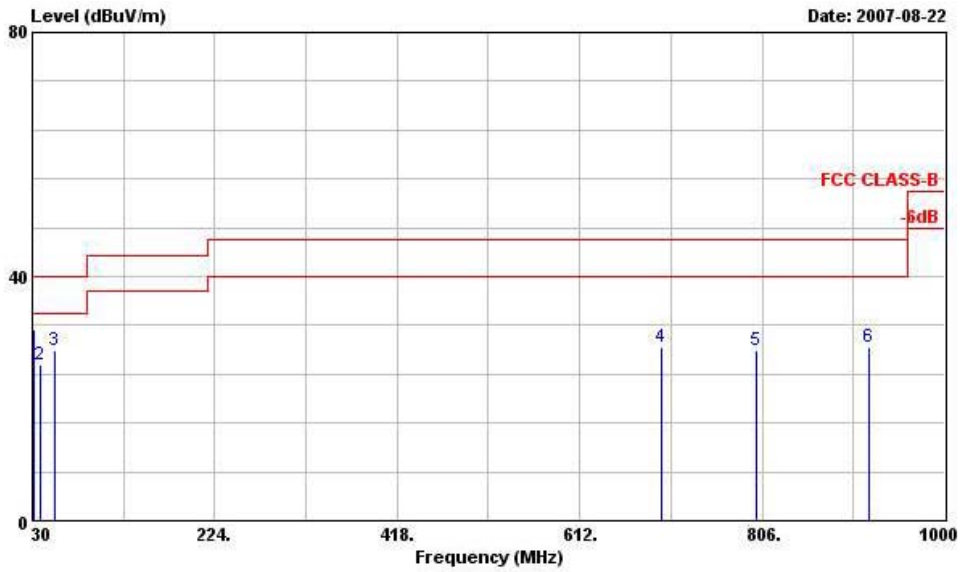
Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 HORIZONTAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch78;2480MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2382.000	28.30	-25.70	54.00	30.30	28.03	3.74	33.78	100	106 Average
2	2382.000	41.15	-32.85	74.00	43.15	28.03	3.74	33.78	100	0 Peak
3 @	2480.000	82.55			84.25	28.26	3.84	33.80	100	106 Average
4 @	2480.000	94.55			96.25	28.26	3.84	33.80	100	0 Peak
5 @	2483.500	50.64	-3.36	54.00	52.34	28.26	3.84	33.80	100	106 Average
6	2483.500	61.60	-12.40	74.00	63.30	28.26	3.84	33.80	100	0 Peak
7	8946.000	52.77	-21.23	74.00	42.26	38.02	7.25	34.76	100	0 Peak
8	8946.000	40.96	-13.04	54.00	30.45	38.02	7.25	34.76	100	245 Average

Remark: #3 and #4 Fundamental Signal

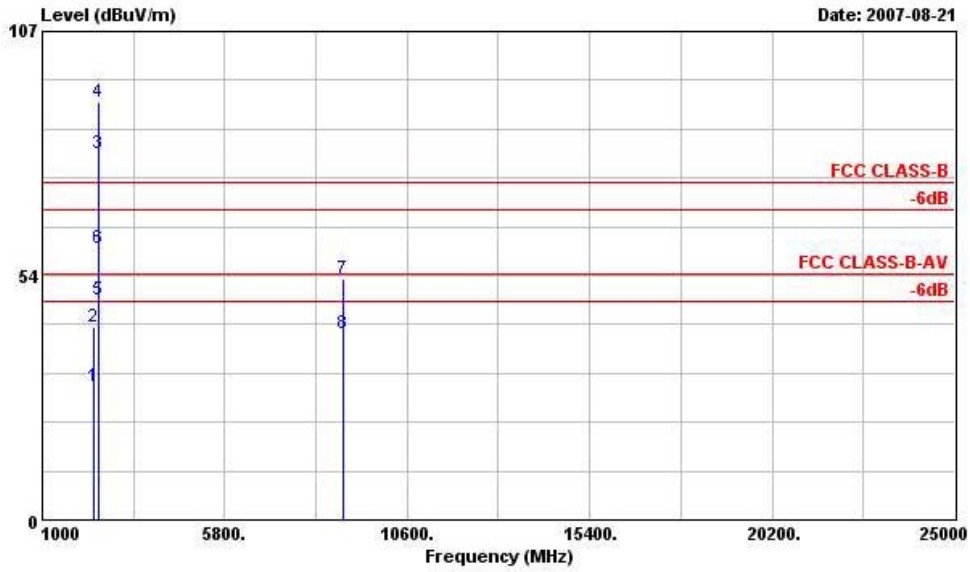


Polarization : Vertical



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m ANT2724 VERTICAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch78;2480MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	31.890	31.41	-8.59	40.00	47.16	16.34	0.89	32.98	100	354 Peak
2	39.180	25.63	-14.37	40.00	44.90	12.71	0.96	32.94	---	---
3	53.490	27.85	-12.15	40.00	53.74	5.93	1.06	32.88	---	---
4	699.700	28.47	-17.53	46.00	36.91	20.14	3.50	32.07	---	---
5	799.800	27.78	-18.22	46.00	36.10	19.85	3.54	31.71	---	---
6	920.200	28.39	-17.61	46.00	31.82	24.03	3.97	31.43	---	---



Site : 03CH04-HY
 Condition: FCC CLASS-B 3m HF-ANT-6903 VERTICAL
 EUT : Pocket PC Phone For FCC
 POWER : 120Vac/60Hz
 MODEL : FR 780314
 MOME : Bluetooth Tx_Ch78;2480MHz
 DATA RATE: DHS
 PLANE : E2
 ADAPTOR : 1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2356.000	29.26	-24.74	54.00	31.35	28.00	3.69	33.77	105	35 Average
2	2356.000	42.40	-31.60	74.00	44.49	28.00	3.69	33.77	100	0 Peak
3 @	2480.000	80.32			82.02	28.26	3.84	33.80	105	35 Average
4 @	2480.000	91.52			93.22	28.26	3.84	33.80	100	0 Peak
5 @	2483.500	48.18	-5.82	54.00	49.88	28.26	3.84	33.80	105	35 Average
6	2483.500	59.31	-14.69	74.00	61.01	28.26	3.84	33.80	100	0 Peak
7	8922.000	52.93	-21.07	74.00	42.44	38.00	7.23	34.74	100	0 Peak
8	8922.000	40.94	-13.06	54.00	30.45	38.00	7.23	34.74	100	236 Average

Remark: #3 and #4 Fundamental Signal



5.12 Antenna Requirements

5.12.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no other antenna except assembled by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

5.12.2 Antenna Connected Construction

The antennas used in this product are PIFA antenna for WLAN and Chip antenna for Bluetooth and without connector and it is considered to meet antenna requirement of FCC.

5.12.3 Antenna Gain

The antenna gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.



6. List of Measuring Equipments Used

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Due Date	Remark
EMC Receiver	R&S	ESCS 30	100132	9kHz – 2.75GHz	Jul. 14, 2007	Jul. 13, 2008	Conduction (CO01-HY)
LISN	MessTec	NNB-2/16Z	2001/004	9kHz – 30MHz	Mar. 30, 2007	Mar. 29, 2008	Conduction (CO01-HY)
LISN (Support Unit)	MessTec	NNB-2/16Z	2001/009	9kHz – 30MHz	Mar. 30, 2007	Mar. 29, 2008	Conduction (CO01-HY)
EMI Filter	LINDGREN	LRE-2060	1004	< 450Hz	N/A	N/A	Conduction (CO01-HY)
EMI Filter	LINDGREN	N6006	201052	0 – 60Hz	N/A	N/A	Conduction (CO01-HY)
RF Cable-CON	Suhner Switzerland	RG223/U	CB029	9kHz – 30MHz	Dec. 04, 2006	Dec. 03, 2007	Conduction (CO01-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	N/A	N/A	Conduction (CO01-HY)
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH04-HY	30 MHz - 1 GHz 3m	Oct. 30, 2006	Oct. 29, 2007	Radiation (03CH04-HY)
Amplifier	Schaffner	CPA9231A	3564	9 kHz - 2 GHz	Aug.31, 2006	Aug.30, 2007	Radiation (03CH04-HY)
Spectrum Analyzer	R&S	FSP7	100641	9 kHz – 7GHz	Sep. 08, 2006	Sep. 07, 2007	Radiation (03CH04-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2724	30 MHz - 1 GHz	Aug. 13, 2007	Aug. 12, 2008	Radiation (03CH04-HY)
Turn Table	HD	Deis HD 2000	420/610	0 - 360 degree	N/A	N/A	Radiation (03CH04-HY)
Antenna Mast	Chaintek	3000		1 m - 4 m	N/A	N/A	Radiation (03CH04-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 05, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 26, 2007	Jul. 25, 2008	Radiation (03CH06-HY)
Bilog Antenna	SCHAFFNER	CBL6112B	2885	30MHz -2GHz	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)
Double Ridge Horn Antenna	Com-Power	AH118	071025	1G~18G	Jun. 04, 2007	Jun. 03, 2008	Radiation (03CH06-HY)
SHF-EHF Horn	SCHWARZBECK	BBHA 9170	9170-249	14G - 40G	Nov. 20, 2006	Nov. 19, 2008	Radiation (03CH06-HY)
Pre Amplifier	Agilent	8449B	3008A01917	1G - 26.5G	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Pre Amplifier	Mini Circuits	ZKL-2	D092004-1	10~2500MHz	Nov. 15, 2006	Nov. 14, 2007	Radiation (03CH06-HY)
Base Station Simulator	R & S	CMU200	106656	WCDMA	Nov. 20, 2006	Nov. 19, 2007	Radiation (03CH06-HY)



7. Uncertainty Evaluation

Uncertainty of Conducted Emission Measurement (150kHz ~ 30MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.10	Normal(k=2)	0.05
Cable loss	0.10	Normal(k=2)	0.05
AMN insertion loss	2.50	Rectangular	0.63
Receiver Spec	1.50	Rectangular	0.43
Site imperfection	1.39	Rectangular	0.80
Mismatch	+0.34/-0.35	U-shape	0.24
Combined standard uncertainty Uc(y)	1.13		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.26		

Uncertainty of Radiated Emission Measurement (30MHz ~ 1000MHz)

Contribution	Uncertainty of x_i		$u(x_i)$
	dB	Probability Distribution	
Receiver reading	0.11	Normal(k=2)	0.06
Antenna factor calibration	0.91	Normal(k=2)	0.46
Cable loss calibration	0.12	Normal(k=2)	0.06
Pre Amplifier Gain calibration	0.15	Normal(k=2)	0.08
RCV/SPA specification	2.50	Rectangular	0.72
Antenna Factor Interpolation for Frequency	1.00	Rectangular	0.29
Site imperfection	1.52	Rectangular	0.88
Mismatch	+0.45/-0.48	U-shaped	0.33
Combined standard uncertainty Uc(y)	1.30		
Measuring uncertainty for a level of confidence of 95% U=2Uc(y)	2.60		



Uncertainty of Radiated Emission Measurement (1GHz ~ 40GHz)

Contribution	Uncertainty of x_i		$u(x_i)$	C_i	$C_i * u(x_i)$
	dB	Probability Distribution			
Receiver reading	±0.10	Normal(k=1)	0.10	1	0.10
Antenna factor calibration	±1.70	Normal(k=2)	0.85	1	0.85
Cable loss calibration	±0.50	Normal(k=2)	0.25	1	0.25
Receiver Correction	±2.00	Rectangular	1.15	1	1.15
Antenna Factor Directional	±1.50	Rectangular	0.87	1	0.87
Site imperfection	±2.80	Triangular	1.14	1	1.14
Mismatch Receiver VSWR $\Gamma_1 = 0.197$ Antenna VSWR $\Gamma_2 = 0.194$ Uncertainty = $20 \log(1 - \Gamma_1 * \Gamma_2 * \Gamma_3)$	+0.34/-0.35	U-shaped	0.244	1	0.244
Combined standard uncertainty $U_c(y)$	2.36				
Measuring uncertainty for a level of confidence of 95% $U = 2U_c(y)$	4.72				

The measured result is : y dBuV ± U dB
for a level of confidence of approximately 95% , ($k = 2$)