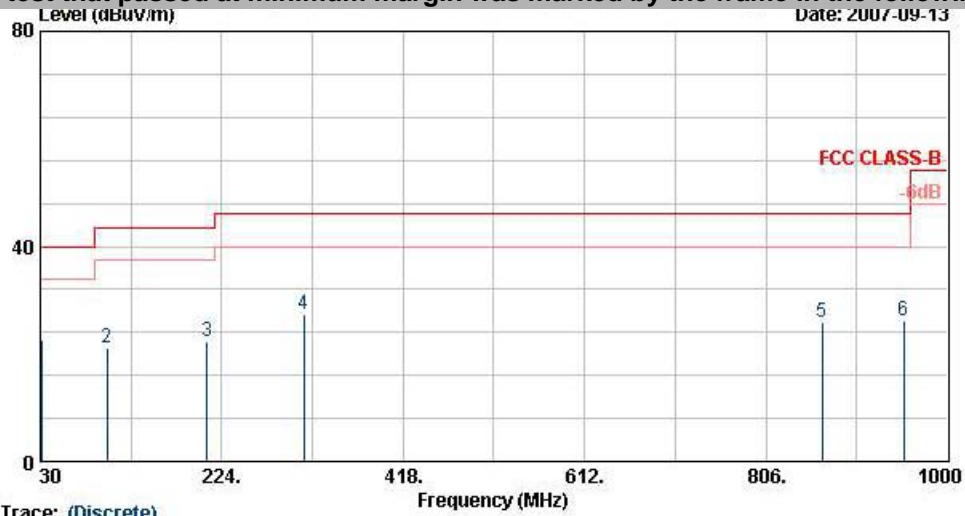




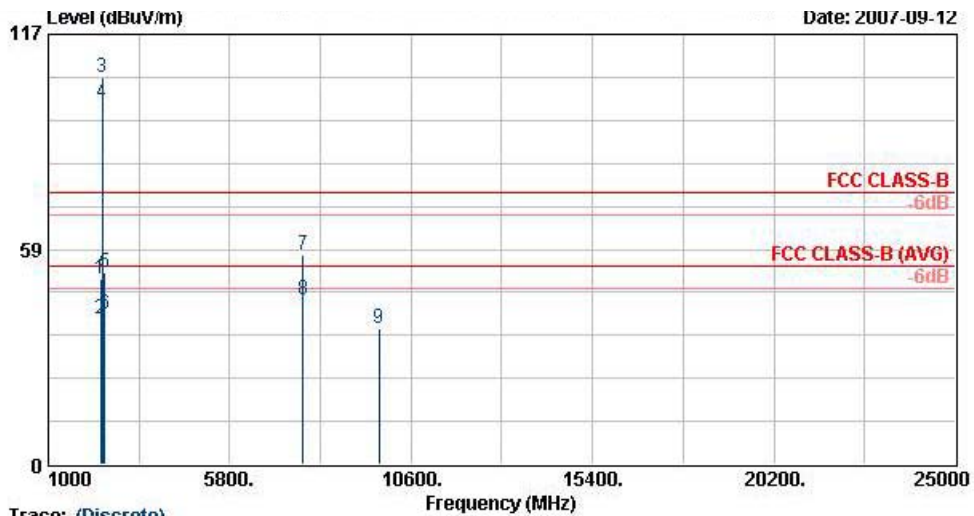
Test Mode : Mode 2  
Polarization : Horizontal

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



Trace: (Discrete)  
Site : 03CH06-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
EDR\_VOIP)  
Power : 120Vac/60Hz  
Model : FR 783112  
Mode : 11b\_Tx\_CH06;2437MHz  
Plane : E2  
Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Pos	Pos		
			dB	dBuV/m	dBuV	dB/m	dB	cm	deg		
1 @	31.1	22.53	-17.47	40.00	34.37	18.95	0.64	31.43	100	258 Peak	
2	101.3	21.00	-22.50	43.50	40.01	11.07	1.07	31.15	---	---	Peak
3	207.9	22.21	-21.29	43.50	41.91	9.76	1.57	31.03	---	---	Peak
4	311.9	27.36	-18.64	46.00	42.77	13.53	1.98	30.92	---	---	Peak
5	866.3	26.01	-19.99	46.00	32.45	20.29	3.68	30.41	---	---	Peak
6	953.8	26.28	-19.72	46.00	31.73	20.91	3.93	30.28	---	---	Peak



Trace: (Discrete)

Site : 03CH06-HY  
 Condition : SHF-EHF HORN HORIZONTAL  
 EUT : FDA Smart Phone (WiFi\_802.11w/BT\_v2.0  
 EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11b\_Tx\_Channel\_2437MHz  
 Plane : E2  
 Data Rate : 11

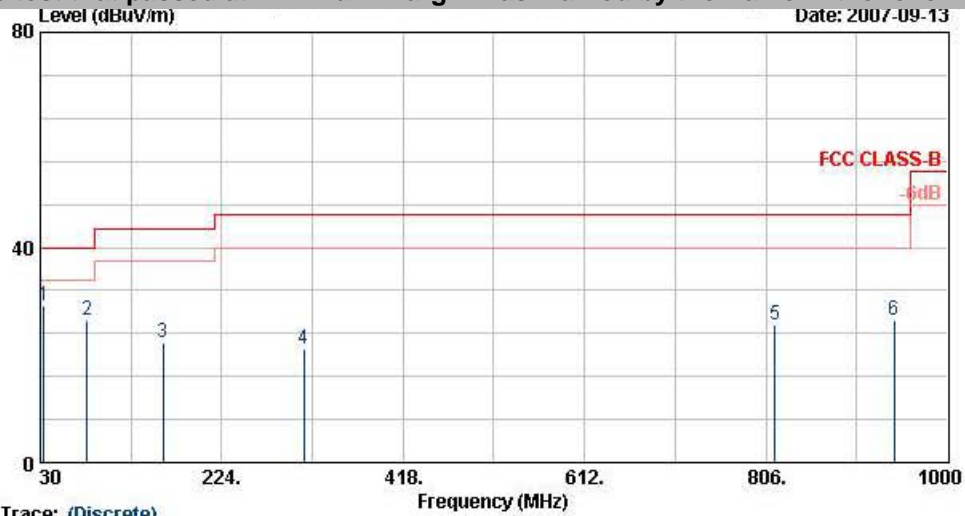
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBUV/m	dBuV	dB	dB	cm	deg	
1	2390.0	50.39	-23.61	74.00	51.83	30.26	3.75	35.46	100	0 Peak
2 @	2390.0	39.79	-14.21	54.00	41.24	30.26	3.75	35.46	100	8 Average
3 @	2437.0	105.32			106.70	30.28	3.82	35.47	100	0 Peak
4 @	2437.0	98.29			99.67	30.28	3.82	35.47	100	8 Average
5	2494.0	52.41	-21.59	74.00	53.75	30.30	3.88	35.53	100	0 Peak
6 @	2494.0	40.95	-13.05	54.00	42.30	30.30	3.88	35.53	100	8 Average
7 @	7746.0	56.95	-17.05	74.00	45.95	39.25	7.70	35.95	100	0 Peak
8 @	7746.0	44.62	-9.38	54.00	33.62	39.25	7.70	35.95	100	264 Average
9	9747.0	37.17	-36.83	74.00	74.48	-9.85	9.15	36.61	100	0 Peak

Remark: #3 and #4 Fundamental Signal



Polarization : Vertical

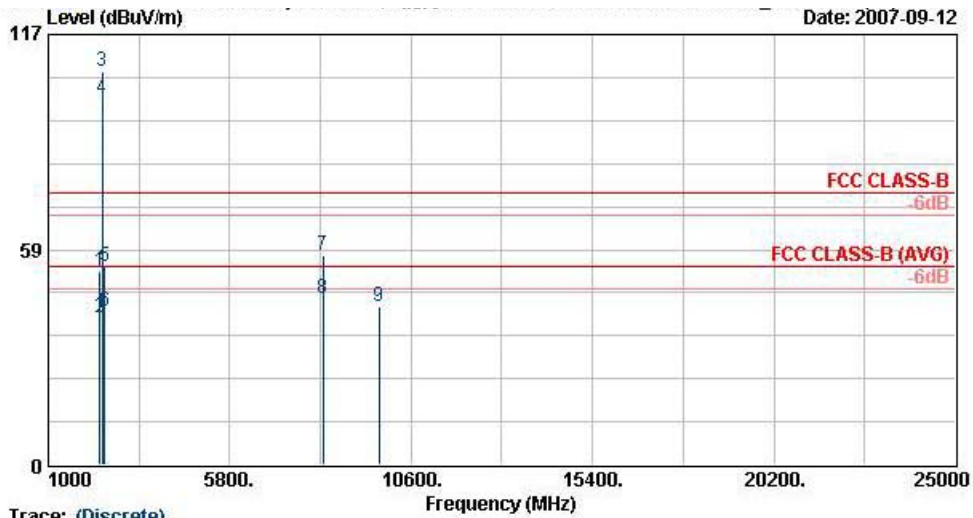
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 03CH06-HY  
 Condition : LP-ANT(951121) VERTICAL  
 EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11b\_Tx\_Channel:2437MHz  
 Plane : E2  
 Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	33.8	29.12	-10.88	40.00	42.94	16.84	0.67	31.32	100	311 Peak
2 @	79.7	26.43	-13.57	40.00	49.09	7.46	0.97	31.09	---	---
3	161.5	22.39	-21.11	43.50	41.93	10.09	1.39	31.02	---	---
4	311.9	21.25	-24.75	46.00	36.67	13.53	1.98	30.92	---	---
5	815.9	25.57	-20.43	46.00	32.63	19.93	3.47	30.47	---	---
6	943.3	26.48	-19.52	46.00	32.03	20.84	3.91	30.29	---	---



Trace: (Discrete)

Site : 03CHD6-HY  
 Condition : SHP-EHF HORN VERTICAL  
 EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11b\_Tx\_Channel:2437MHz  
 Plane : E2  
 Data Rate : 11

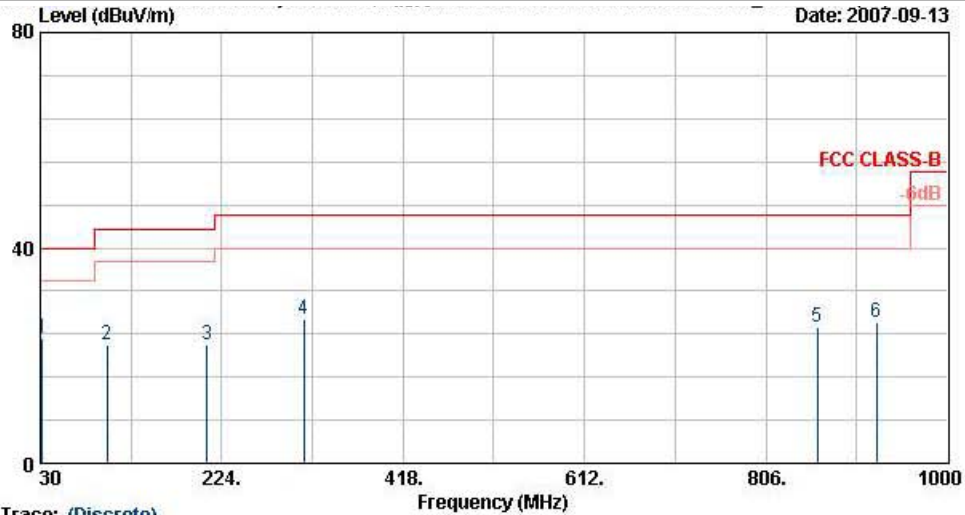
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2364.0	52.64	-21.36	74.00	54.09	30.24	3.73	35.42	100	0 Peak
2 @	2364.0	40.04	-13.96	54.00	41.49	30.24	3.73	35.42	100	281 Average
3 @	2437.0	106.81			108.19	30.28	3.82	35.47	100	0 Peak
4 @	2437.0	99.52			100.90	30.28	3.82	35.47	100	281 Average
5	2494.0	53.84	-20.16	74.00	55.18	30.30	3.88	35.53	100	0 Peak
6 @	2494.0	41.54	-12.46	54.00	42.89	30.30	3.88	35.53	100	281 Average
7 @	8262.0	56.97	-17.03	74.00	45.49	39.39	8.08	36.00	100	0 Peak
8 @	8262.0	45.02	-8.98	54.00	33.54	39.39	8.08	36.00	100	169 Average
9	9747.0	43.22	-30.78	74.00	80.53	-9.85	9.15	36.61	100	0 Peak

Remark: #3 and #4 Fundamental Signal



Test Mode : Mode 3  
Polarization : Horizontal

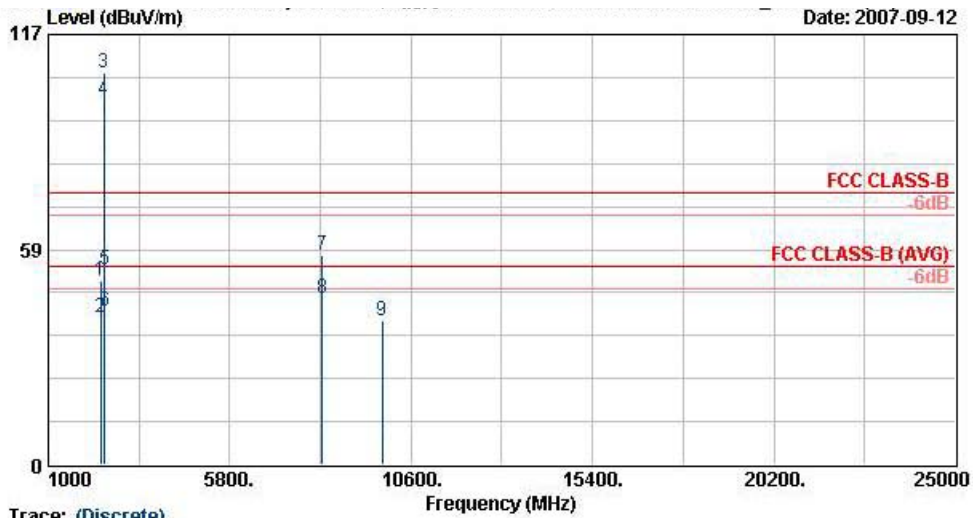
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 03CHD6-HY  
Condition : LP-ANT(951121) HORIZONTAL  
EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0)  
EDR\_VOIP)  
Power : 120V<sub>ac</sub>/60Hz  
Model : FR 783112  
Mode : 11b\_Tx\_CM11\_2462MHz  
Plane : E2  
Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos		
			dB	dBuV/m	dBuV	dB	dB	cm	deg		
1 @	31.9	23.16	-16.84	40.00	35.65	18.25	0.65	31.39	100	225 Peak	
2	101.3	22.08	-21.42	43.50	41.09	11.07	1.07	31.15	---	---	Peak
3	207.9	21.93	-21.57	43.50	41.63	9.76	1.57	31.03	---	---	Peak
4	311.9	26.84	-19.16	46.00	42.25	13.53	1.98	30.92	---	---	Peak
5	861.4	25.38	-20.62	46.00	31.88	20.25	3.66	30.42	---	---	Peak
6	924.4	26.26	-19.74	46.00	32.02	20.70	3.87	30.33	---	---	Peak



Trace: (Discrete)

Site : 03CHD6-HY  
 Condition : SHP-EHF HORN HORIZONTAL  
 EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11b\_Tx\_Ch11\_2462MHz  
 Plane : E2  
 Data Rate : 11

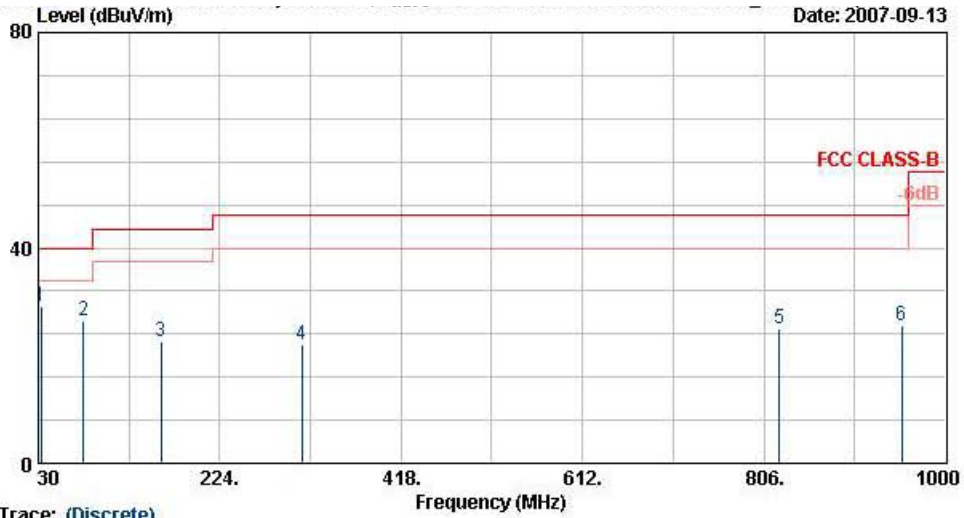
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2390.0	50.08	-23.92	74.00	51.53	30.26	3.75	35.46	100	0 Peak
2 @	2390.0	39.80	-14.20	54.00	41.25	30.26	3.75	35.46	100	7 Average
3 @	2462.0	106.48			107.85	30.29	3.84	35.49	100	0 Peak
4 @	2462.0	99.23			100.60	30.29	3.84	35.49	100	7 Average
5	2486.1	52.97	-21.03	74.00	54.33	30.29	3.86	35.51	100	0 Peak
6 @	2486.1	41.83	-12.17	54.00	43.19	30.29	3.86	35.51	100	7 Average
7	8241.0	56.98	-17.02	74.00	45.50	39.41	8.06	35.98	100	0 Peak
8 @	8241.0	45.02	-8.98	54.00	33.54	39.41	8.06	35.98	100	257 Average
9	9846.0	39.33	-34.67	74.00	76.32	-9.63	9.18	36.54	100	0 Peak

Remark: #3 and #4 Fundamental Signal



Polarization : Vertical

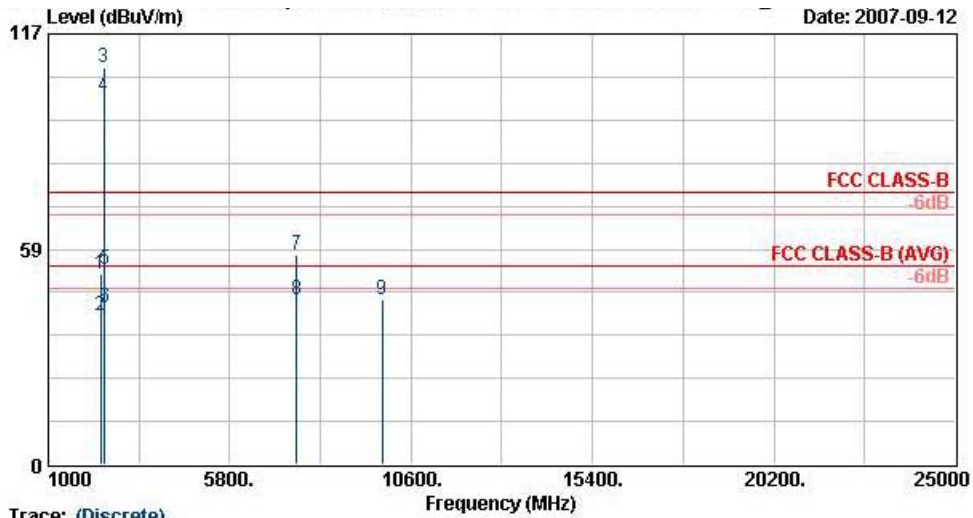
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CHD6-HY  
 Condition : LP-ANT(951121) VERTICAL  
 EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0)  
 : EDR\_VOIP)  
 Power : 120V<sub>ac</sub>/60Hz  
 Model : FR 783112  
 Mode : 11b\_Tx\_Ch11;2462MHz  
 Plane : E2  
 Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	33.2	29.11	-10.89	40.00	42.27	17.54	0.66	31.36	100	356 Peak
2 @	78.3	26.49	-13.51	40.00	49.23	7.41	0.96	31.10	---	---
3	161.5	22.68	-20.82	43.50	42.22	10.09	1.39	31.02	---	---
4	311.9	22.04	-23.96	46.00	37.45	13.53	1.98	30.92	---	---
5	822.9	24.93	-21.07	46.00	31.91	19.98	3.50	30.46	---	---
6	953.8	25.69	-20.31	46.00	31.14	20.91	3.93	30.28	---	---



Trace: (Discrete)

Site : 03CHD6-HY  
 Condition : SHP-EHF HORN VERTICAL  
 EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11b\_Tx\_Ch11\_2462MHz  
 Plane : E2  
 Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2384.0	51.63	-22.37	74.00	53.06	30.25	3.75	35.44	100	0 Peak
2 @	2384.0	40.39	-13.61	54.00	41.83	30.25	3.75	35.44	100	279 Average
3 @	2462.0	107.74			109.11	30.29	3.84	35.49	100	0 Peak
4 @	2462.0	100.16			101.53	30.29	3.84	35.49	100	279 Average
5	2485.2	52.94	-21.06	74.00	54.30	30.29	3.86	35.51	100	0 Peak
6 @	2485.2	42.64	-11.36	54.00	44.00	30.29	3.86	35.51	100	279 Average
7	7572.0	56.90	-17.10	74.00	46.27	39.02	7.64	36.02	100	0 Peak
8 @	7572.0	44.72	-9.28	54.00	34.09	39.02	7.64	36.02	100	349 Average
9	9846.0	44.60	-29.40	74.00	81.58	-9.63	9.18	36.54	100	0 Peak

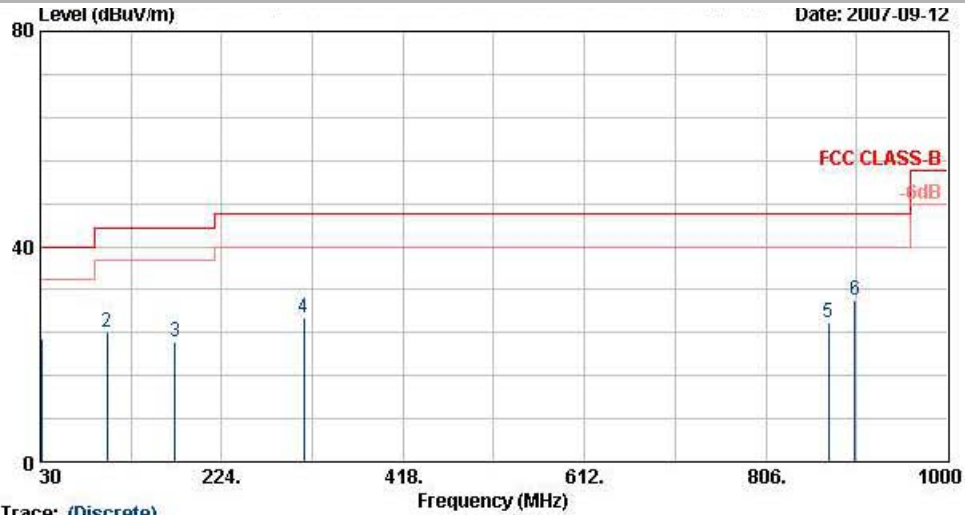
Remark: #3 and #4 Fundamental Signal





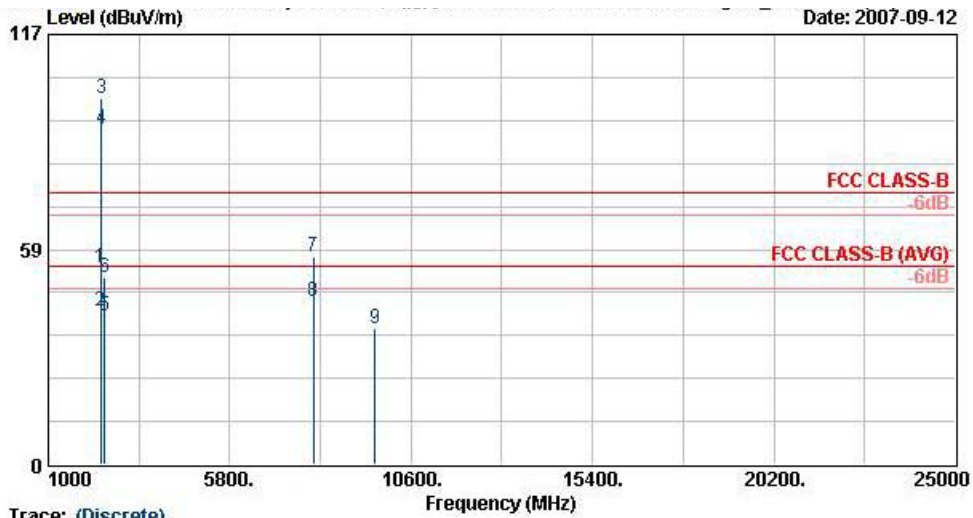
Test Mode : Mode 4  
Polarization : Horizontal

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



Trace: (Discrete)  
Site : 03CH06-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
: EDR\_VOIP)  
Power : 120Vac/60Hz  
Model : FR 783112  
Mode : 11g\_Tx\_Ch01\_2412MHz  
Plane : E2  
Data Rate : 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	31.1	22.99	-17.01	40.00	34.82	18.95	0.64	31.43	---	Peak
2	101.3	24.10	-19.40	43.50	43.11	11.07	1.07	31.15	---	Peak
3	174.2	22.40	-21.10	43.50	42.15	9.82	1.44	31.02	---	Peak
4	311.9	26.77	-19.23	46.00	42.18	13.53	1.98	30.92	---	Peak
5	873.3	25.82	-20.18	46.00	32.17	20.34	3.71	30.40	---	Peak
6 @	901.3	29.92	-16.08	46.00	35.93	20.54	3.82	30.37	100	206 Peak



Trace: (Discrete)

Site : 03CHD6-HY  
 Condition : SHP-EHF HORN HORIZONTAL  
 EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Ch01\_2412MHz  
 Plane : E2  
 Data Rate : 6

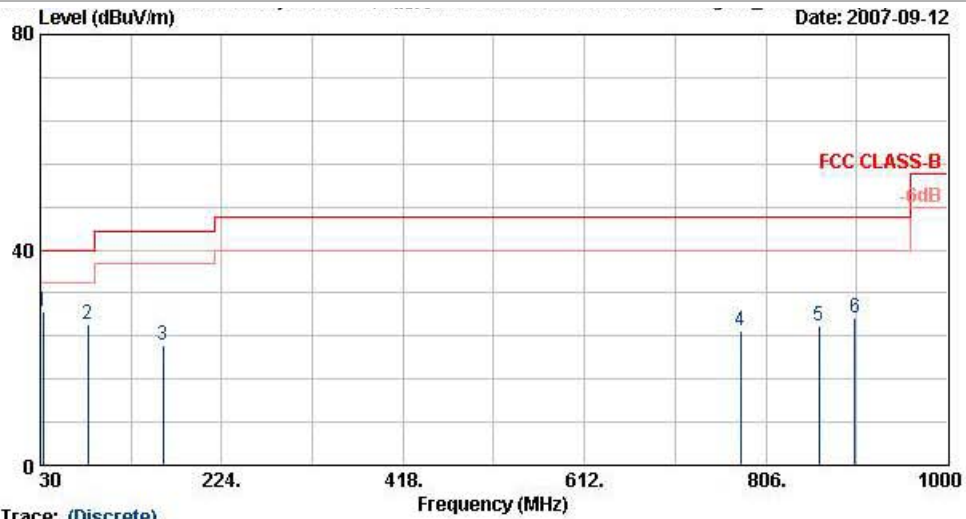
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2390.0	53.42	-20.58	74.00	54.87	30.26	3.75	35.46	100	0 Peak
2 @	2390.0	41.65	-12.35	54.00	43.10	30.26	3.75	35.46	100	5 Average
3 @	2412.0	99.61			101.03	30.27	3.77	35.46	100	0 Peak
4 @	2412.0	91.15			92.57	30.27	3.77	35.46	100	5 Average
5 @	2494.0	40.41	-13.59	54.00	41.76	30.30	3.88	35.53	100	5 Average
6	2494.0	51.04	-22.96	74.00	52.39	30.30	3.88	35.53	100	0 Peak
7	8022.0	56.41	-17.59	74.00	44.86	39.59	7.83	35.86	100	0 Peak
8 @	8022.0	44.30	-9.70	54.00	32.74	39.59	7.83	35.86	100	174 Average
9	9651.0	36.77	-37.23	74.00	74.40	-10.07	9.12	36.68	100	0 Peak

Remark: #3 and #4 Fundamental Signal



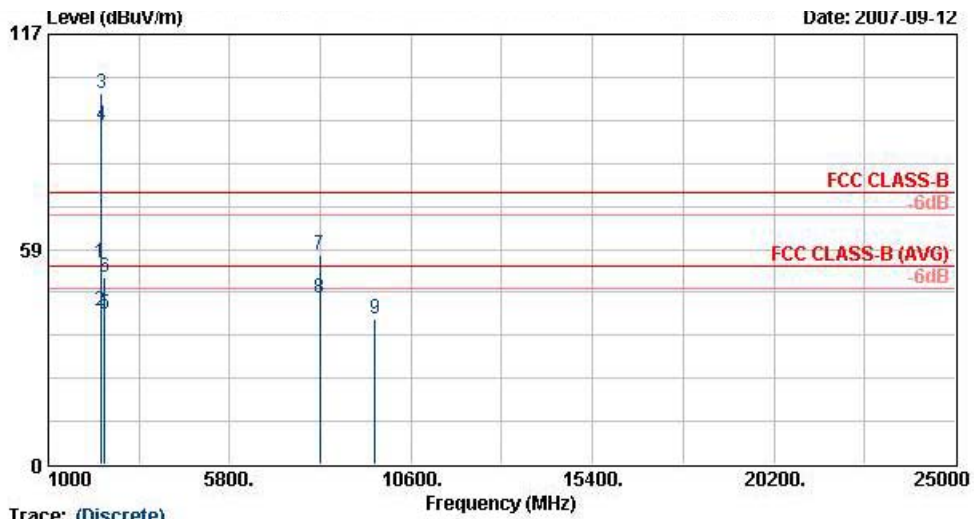
Polarization : Vertical

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



Trace: (Discrete)  
 Site : 03CH06-HY  
 Condition : LF-ANT(951121) VERTICAL  
 EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0)  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Ch01\_2412MHz  
 Plane : E2  
 Data Rate : 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	33.2	28.44	-11.56	40.00	41.59	17.54	0.66	31.36	100	332 Peak
2 @	80.5	26.13	-13.87	40.00	48.73	7.52	0.97	31.09	---	---
3	161.5	22.31	-21.19	43.50	41.85	10.09	1.39	31.02	---	---
4	778.8	24.87	-21.13	46.00	32.38	19.62	3.38	30.51	---	---
5	862.8	25.99	-20.01	46.00	32.47	20.27	3.67	30.41	---	---
6	901.3	27.36	-18.64	46.00	33.36	20.54	3.82	30.37	---	---



Trace: (Discrete)

Site : 03CHD6-HY  
 Condition : SHF-EHF HORN VERTICAL  
 EUT : FDA Smart Phone (WiFi\_802.11w/BT\_v2.0  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Channel\_2412MHz  
 Plane : E2  
 Data Rate : 6

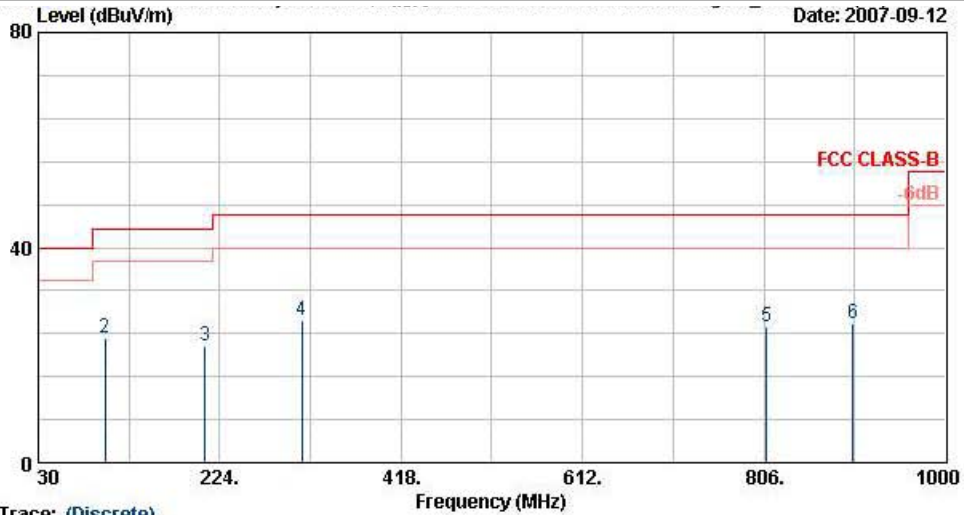
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2389.2	54.93	-19.07	74.00	56.36	30.26	3.75	35.44	100	0 Peak
2 @	2389.2	41.84	-12.16	54.00	43.27	30.26	3.75	35.44	100	282 Average
3 @	2412.0	100.93			102.35	30.27	3.79	35.47	100	0 Peak
4 @	2412.0	92.38			93.80	30.27	3.77	35.46	100	282 Average
5 @	2500.0	40.72	-13.28	54.00	42.07	30.30	3.88	35.53	100	282 Average
6	2500.0	51.00	-23.00	74.00	52.35	30.30	3.88	35.53	100	0 Peak
7	8181.0	56.84	-17.16	74.00	45.33	39.46	8.00	35.96	100	0 Peak
8 @	8181.0	45.19	-8.81	54.00	33.69	39.46	8.00	35.96	100	209 Average
9	9651.0	39.50	-34.50	74.00	77.13	-10.07	9.12	36.68	100	0 Peak

Remark: #3 and #4 Fundamental Signal



Test Mode : Mode 5  
Polarization : Horizontal

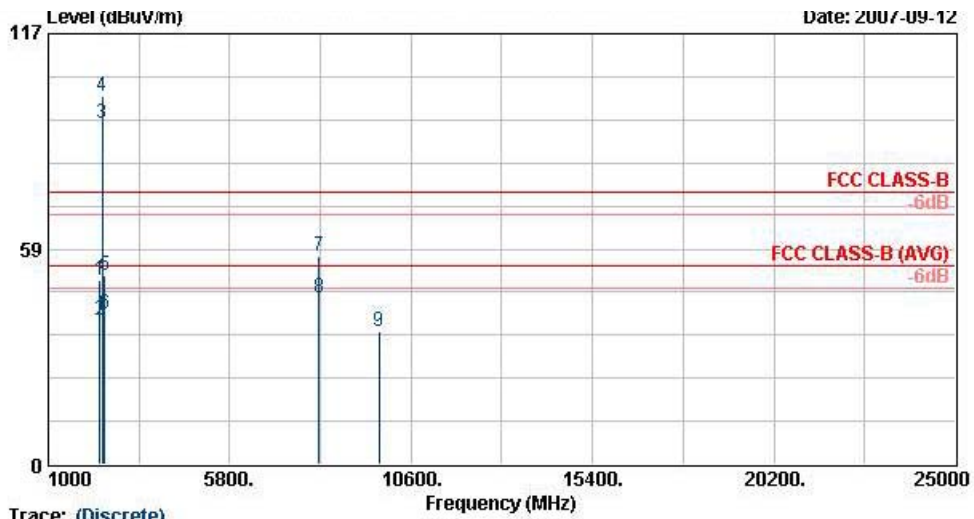
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 03CHD6-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
EDR\_VOIP)  
Power : 120V<sub>ac</sub>/60Hz  
Model : FR 783112  
Mode : 11g\_Tx\_CM06;2437MHz  
Plane : E2  
Data Rate : 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	30.5	23.18	-16.82	40.00	35.01	18.95	0.64	31.43	100	244 Peak
2	101.3	23.12	-20.38	43.50	42.13	11.07	1.07	31.15	---	Peak
3	207.9	21.57	-21.93	43.50	41.27	9.76	1.57	31.03	---	Peak
4	311.9	26.38	-19.62	46.00	41.80	13.53	1.98	30.92	---	Peak
5	808.9	25.33	-20.67	46.00	32.48	19.88	3.45	30.48	---	Peak
6	901.3	25.74	-20.26	46.00	31.75	20.54	3.82	30.37	---	Peak



Trace: (Discrete)

Site : 03CHD6-HY  
 Condition : SHF-EHF HORN HORIZONTAL  
 EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0)  
 : EDR\_VOIP  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Channel\_6\_2437MHz  
 Plane : E2  
 Data Rate : 6

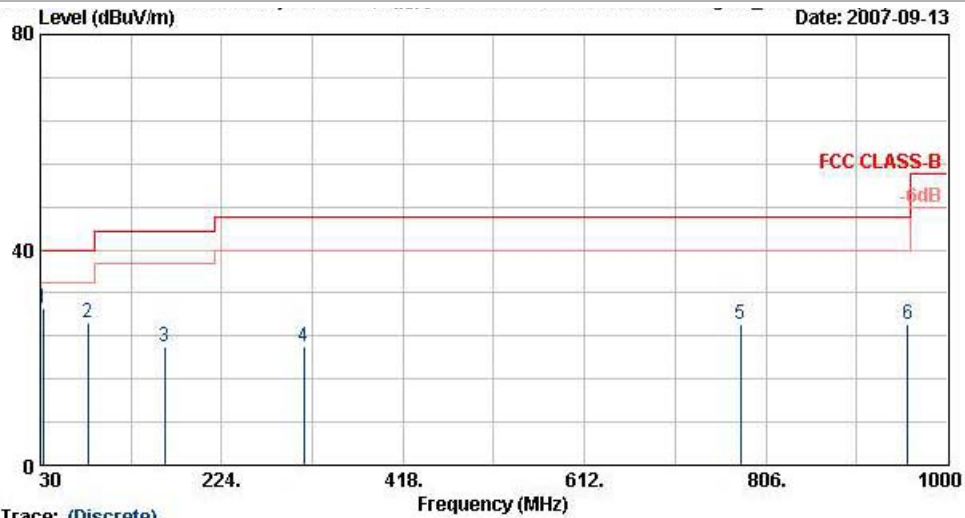
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2358.0	50.18	-23.82	74.00	51.65	30.24	3.71	35.42	100	0 Peak
2 @	2358.0	39.15	-14.85	54.00	40.62	30.24	3.71	35.42	100	6 Average
3 @	2437.0	92.53			93.91	30.28	3.82	35.47	100	6 Average
4 @	2437.0	100.03			101.43	30.27	3.79	35.47	100	0 Peak
5	2494.0	51.24	-22.76	74.00	52.59	30.30	3.88	35.53	100	0 Peak
6 @	2494.0	40.81	-13.19	54.00	42.16	30.30	3.88	35.53	100	6 Average
7	8172.0	56.57	-17.43	74.00	45.07	39.46	7.98	35.94	100	0 Peak
8 @	8172.0	45.19	-8.81	54.00	33.69	39.46	7.98	35.94	100	65 Average
9	9747.0	36.24	-37.76	74.00	73.55	-9.85	9.15	36.61	100	0 Peak

Remark: #3 and #4 Fundamental Signal



Polarization : Vertical

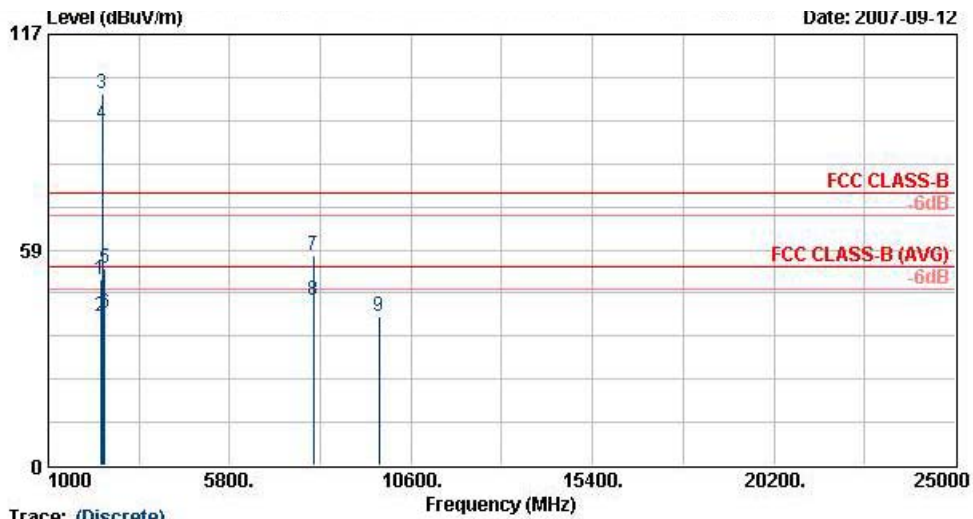
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CH06-HY  
 Condition : LP-ANT(951121) VERTICAL  
 EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 EDR\_VOIP)  
 Power : 120V<sub>ac</sub>/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Ch06;2437MHz  
 Plane : E2  
 Data Rate : 6

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBUV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	33.2	29.16	-10.84	40.00	42.32	17.54	0.66	31.36	100	302	Peak
2 @	81.0	26.50	-13.50	40.00	48.95	7.67	0.98	31.09	---	---	Peak
3	163.4	21.92	-21.58	43.50	41.49	10.05	1.40	31.02	---	---	Peak
4	311.9	21.92	-24.08	46.00	37.33	13.53	1.98	30.92	---	---	Peak
5	778.8	26.06	-19.94	46.00	33.57	19.62	3.38	30.51	---	---	Peak
6	957.3	26.23	-19.77	46.00	31.63	20.94	3.93	30.28	---	---	Peak



Trace: (Discrete)

Site : 03CH06-HY  
 Condition : SHF-EHF HORN VERTICAL  
 EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Channel\_2437MHz  
 Plane : E2  
 Data Rate : 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2390.0	50.33	-23.67	74.00	51.77	30.26	3.75	35.46	100	0 Peak
2 @	2390.0	40.55	-13.45	54.00	42.00	30.26	3.75	35.46	100	281 Average
3 @	2437.0	101.11			102.50	30.28	3.82	35.49	100	0 Peak
4 @	2437.0	92.62			94.00	30.28	3.82	35.47	100	281 Average
5	2488.0	53.28	-20.72	74.00	54.63	30.30	3.86	35.51	100	0 Peak
6 @	2488.0	41.25	-12.75	54.00	42.60	30.30	3.86	35.51	100	281 Average
7	8016.0	56.97	-17.03	74.00	45.43	39.59	7.81	35.86	100	0 Peak
8 @	8016.0	44.72	-9.28	54.00	33.18	39.59	7.81	35.86	100	129 Average
9	9747.0	40.25	-33.75	74.00	77.56	-9.85	9.15	36.61	100	0 Peak

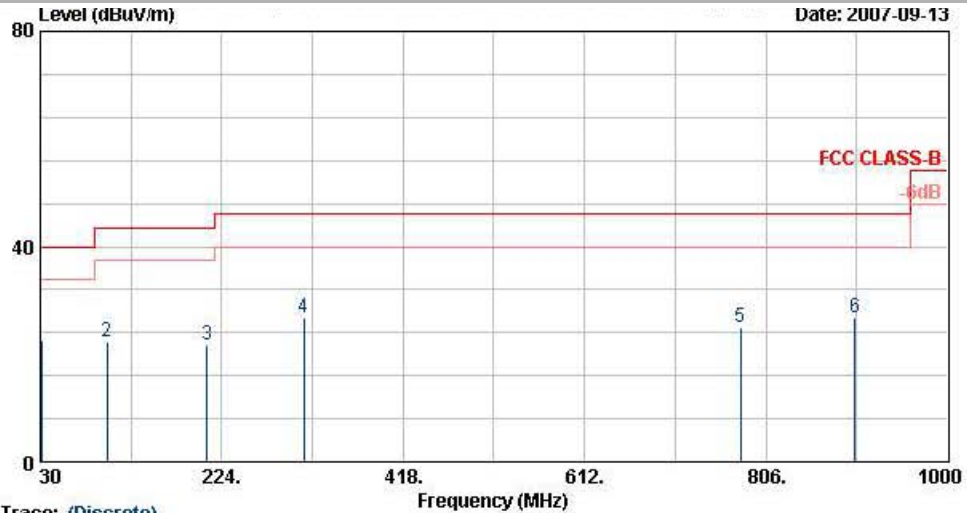
Remark: #3 and #4 Fundamental Signal





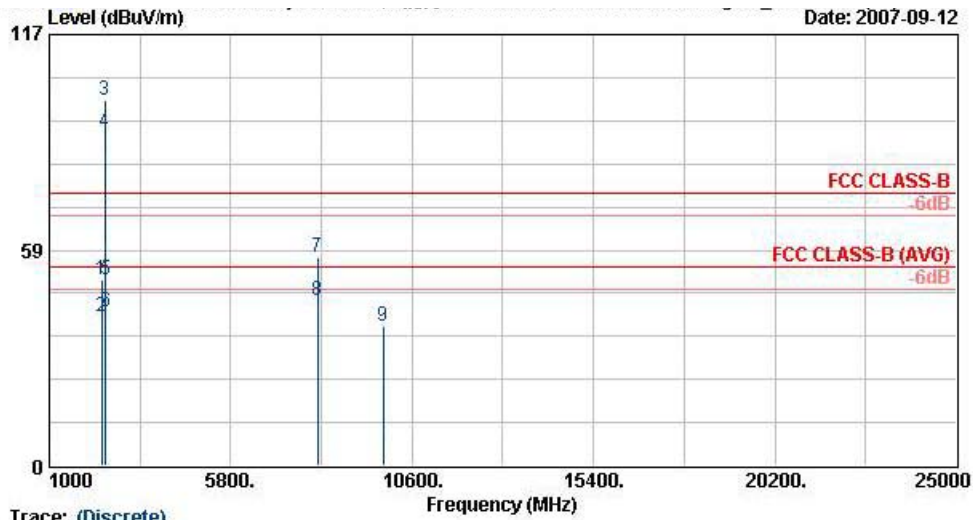
Test Mode : Mode 6  
Polarization : Horizontal

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



Site : OSCH06-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0)  
: EDR\_VOIP)  
Power : 120Vac/60Hz  
Model : FR 783112  
Mode : 11g\_Tx\_Ch11\_2462MHz  
Plane : E2  
Data Rate : 6

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	Level	Factor	Loss	Factor	Pos	Pos	
					dBuV	dB/m	dB	dB	cm	deg	
1 @	31.1	22.45	-17.55	40.00	34.29	18.95	0.64	31.43	100	288	Peak
2	101.3	22.22	-21.28	43.50	41.24	11.07	1.07	31.15	---	---	Peak
3	207.9	21.70	-21.80	43.50	41.40	9.76	1.57	31.03	---	---	Peak
4	311.9	26.81	-19.19	46.00	42.22	13.53	1.98	30.92	---	---	Peak
5	778.8	24.92	-21.08	46.00	32.43	19.62	3.38	30.51	---	---	Peak
6	901.3	26.81	-19.19	46.00	32.82	20.54	3.82	30.37	---	---	Peak



Trace: (Discrete)

Site : 08CH06-HY  
 Condition : SHF-EHF HORN HORIZONTAL  
 EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0 EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Ch11,2462MHz  
 Plane : E2  
 Data Rate : 6

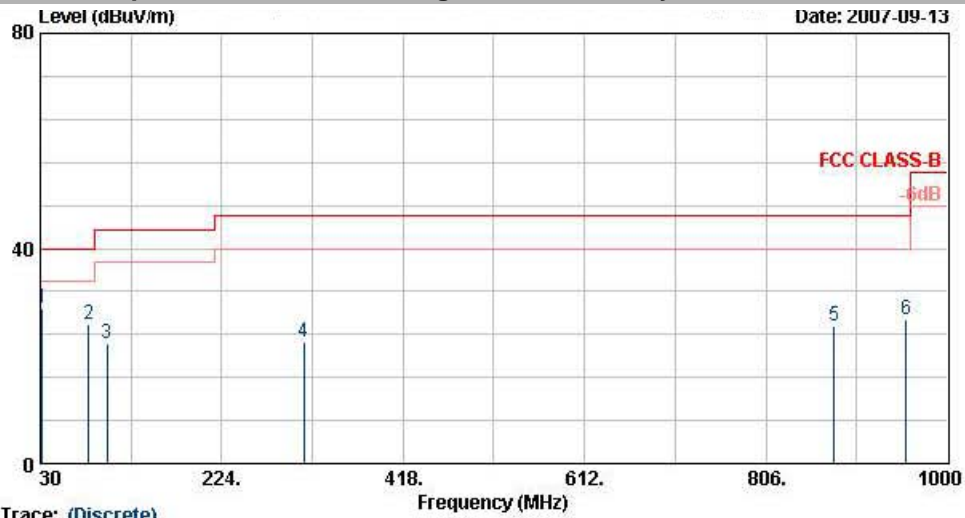
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2384.0	50.35	-23.65	74.00	51.79	30.25	3.75	35.44	100	0	Peak
2 @	2384.0	40.41	-13.59	54.00	41.85	30.25	3.75	35.44	100	7	Average
3 @	2462.0	99.24			100.60	30.29	3.84	35.49	100	0	Peak
4 @	2462.0	90.49			91.86	30.29	3.84	35.49	100	7	Average
5	2483.5	50.53	-23.47	74.00	51.88	30.29	3.86	35.51	100	0	Peak
6 @	2483.5	41.67	-12.33	54.00	43.03	30.29	3.86	35.51	100	7	Average
7 @	8091.0	56.61	-17.39	74.00	45.09	39.53	7.89	35.90	100	0	Peak
8 @	8091.0	44.78	-9.22	54.00	33.26	39.53	7.89	35.90	100	149	Average
9	9846.0	37.85	-36.15	74.00	74.83	-9.63	9.18	36.54	100	0	Peak

Remark: #3 and #4 Fundamental Signal



Polarization : Vertical

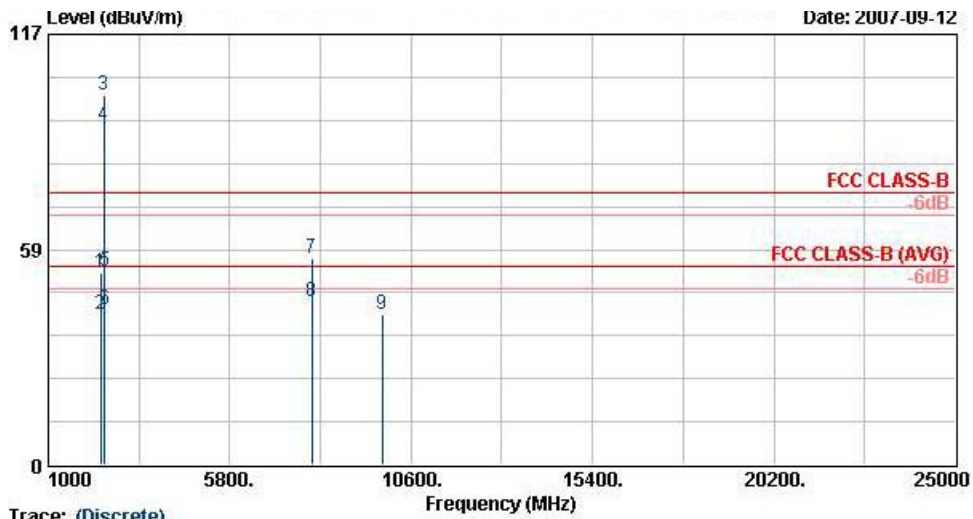
The test that passed at minimum margin was marked by the frame in the following table.



Trace: (Discrete)

Site : 08CHD6-HY  
 Condition : LP-ANT(951121) VERTICAL  
 EUT : PDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0)  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_CM11\_2462MHz  
 Plane : E2  
 Data Rate : 6

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	32.4	28.85	-11.15	40.00	42.01	17.54	0.66	31.36	100	335 Peak
2 @	81.8	25.94	-14.06	40.00	48.39	7.67	0.98	31.09	---	---
3	101.3	22.25	-21.25	43.50	41.26	11.07	1.07	31.15	---	---
4	311.9	22.54	-23.46	46.00	37.95	13.53	1.98	30.92	---	---
5	878.9	25.52	-20.48	46.00	31.81	20.38	3.73	30.39	---	---
6	955.9	26.88	-19.12	46.00	32.30	20.93	3.93	30.28	---	---



Trace: (Discrete)

Site : 03CHD6-HY  
 Condition : SHF-EHF HORN VERTICAL  
 EUT : FDA Smart Phone (WiFi\_802.11b/g/BT\_v2.0  
 : EDR\_VOIP)  
 Power : 120Vac/60Hz  
 Model : FR 783112  
 Mode : 11g\_Tx\_Ch11\_2462MHz  
 Plane : E2  
 Data Rate : 6

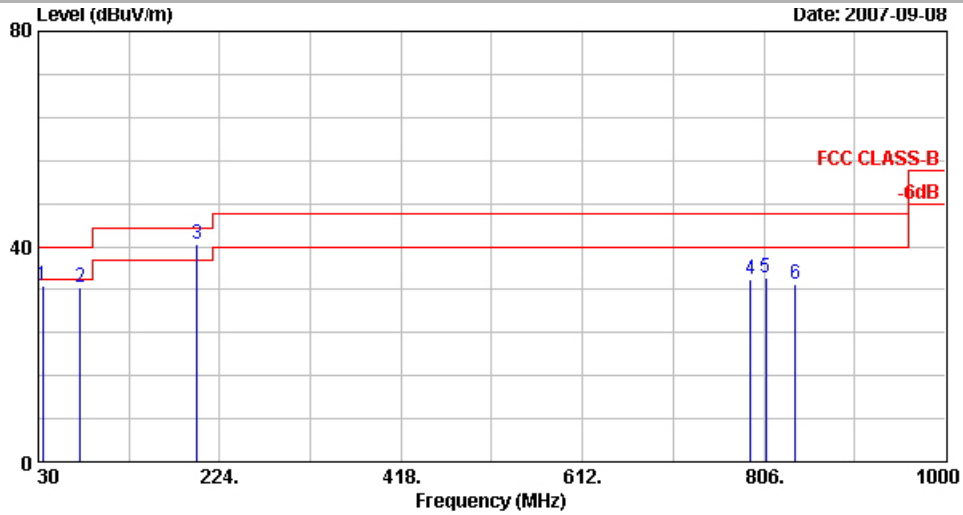
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2388.0	52.17	-21.83	74.00	53.60	30.26	3.75	35.44	100	0 Peak
2 @	2388.0	40.80	-13.20	54.00	42.23	30.26	3.75	35.44	100	281 Average
3 @	2462.0	100.42			101.78	30.29	3.84	35.49	100	0 Peak
4 @	2462.0	92.04			93.41	30.29	3.84	35.49	100	281 Average
5	2483.5	52.75	-21.25	74.00	54.11	30.29	3.86	35.51	100	0 Peak
6 @	2483.5	42.35	-11.65	54.00	43.71	30.29	3.86	35.51	100	281 Average
7	7971.0	56.31	-17.69	74.00	44.83	39.55	7.78	35.86	100	0 Peak
8 @	7971.0	44.19	-9.81	54.00	32.71	39.55	7.78	35.86	100	132 Average
9	9846.0	40.75	-33.25	74.00	77.73	-9.63	9.18	36.54	100	0 Peak

Remark: #3 and #4 Fundamental Signal



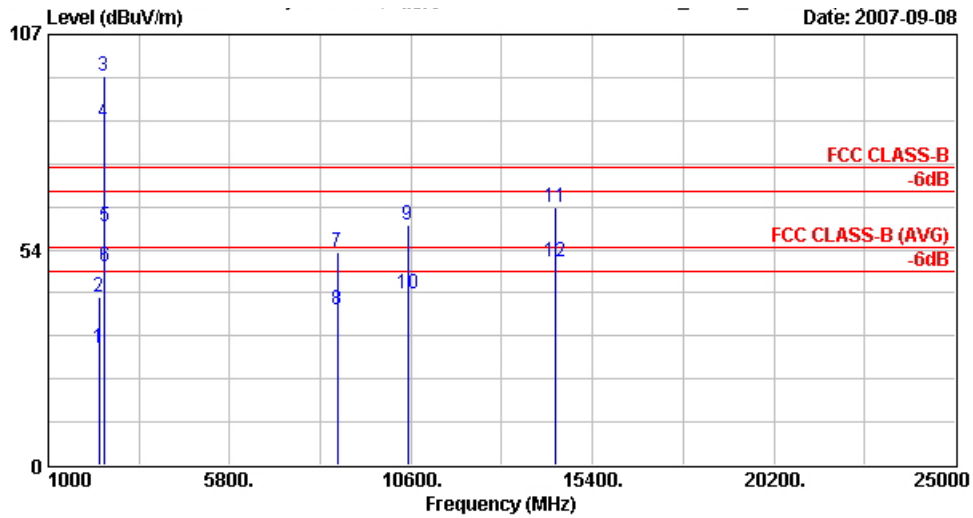
Test Mode : Mode 9  
Polarization : Horizontal

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



Site : 03CH03-HY  
Condition : LF-BILOG HORIZONTAL  
EUT : PDA Smart Phone  
Power : 120V/60Hz  
Model : FR 783112  
Morne : BT Tx CH78,2480MHz+Adapter  
Rate : DHS  
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	35.1	32.72	-7.28	40.00	42.43	15.53	2.45	27.69	100	0	Peak
2	75.1	32.42	-7.58	40.00	50.31	6.57	3.30	27.75	100	0	Peak
3 @	200.1	40.48	-3.02	43.50	55.40	9.63	3.57	28.12	100	236	Peak
4	792.1	33.84	-12.16	46.00	37.32	20.75	5.59	29.82	100	0	Peak
5	808.2	34.27	-11.73	46.00	37.59	20.76	5.71	29.79	100	0	Peak
6	839.7	32.90	-13.10	46.00	35.74	20.82	5.90	29.56	100	0	Peak



Date: 2007-09-08

Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 HORIZONTAL  
 EUT : FDA Smart Phone  
 Power : 120V/60Hz  
 Model : FR 783112  
 Mfrme : BT Tx CH78,2480MHz+Adapter  
 Rate : DHS  
 Plane : E2

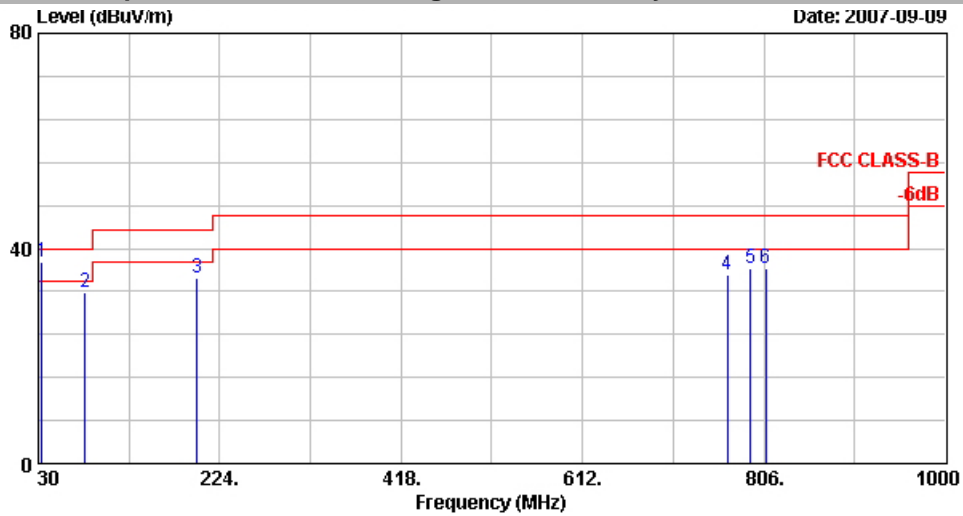
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2350.0	29.07	-24.93	54.00	30.88	28.19	2.80	32.80	100	320 Average
2	2350.0	41.61	-32.39	74.00	43.42	28.19	2.80	32.80	100	0 Peak
3 @	2480.0	96.49			97.95	28.47	2.87	32.80	100	0 Peak
4 @	2480.0	84.97			86.43	28.47	2.87	32.80	100	320 Average
5	2483.5	59.33	-14.67	74.00	60.79	28.47	2.87	32.80	100	0 Peak
6 !	2483.5	49.50	-4.50	54.00	50.96	28.47	2.87	32.80	100	320 Average
7	8646.0	53.01	-20.99	74.00	42.22	37.93	6.09	33.23	100	0 Peak
8	8646.0	38.68	-15.32	54.00	27.89	37.93	6.09	33.23	100	312 Average
9	10521.0	59.53	-14.47	74.00	46.14	38.79	7.50	32.90	100	0 Peak
10	10521.0	42.76	-11.24	54.00	29.37	38.79	7.50	32.90	100	242 Average
11	14418.0	64.04	-9.96	74.00	45.48	42.16	8.01	31.61	100	0 Peak
12 !	14418.0	50.39	-3.61	54.00	31.83	42.16	8.01	31.61	100	288 Average

Remark: #3 and #4 Fundamental Signal



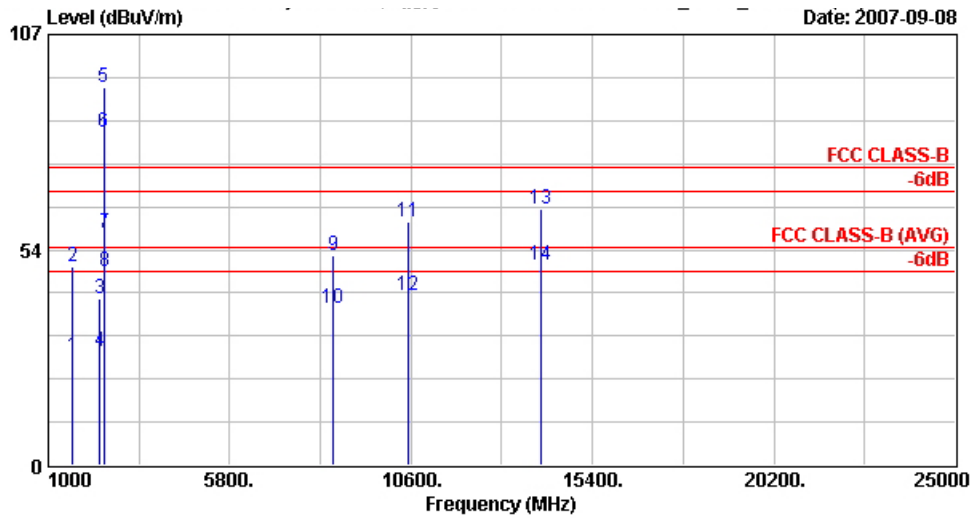
Polarization : Vertical

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



Site : 03CH08-HY  
 Condition : LF-BLOG VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Mome : BT Tx CH78,2480MHz+Adapter  
 Rate : DHS  
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	34.1	37.60	-2.40	40.00	46.82	16.12	2.35	27.69	100	356 QP
2	80.2	31.69	-8.31	40.00	49.17	7.36	2.82	27.66	100	0 Peak
3	200.1	34.50	-9.00	43.50	49.42	9.63	3.57	28.12	100	0 Peak
4	766.9	34.96	-11.04	46.00	38.78	20.73	5.16	29.71	100	0 Peak
5	792.1	36.33	-9.67	46.00	39.81	20.75	5.59	29.82	100	0 Peak
6	808.2	36.21	-9.79	46.00	39.53	20.76	5.71	29.79	100	0 Peak



Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120V/60Hz  
 Model : FR 783112  
 Morn : BT Tx CH78,2480MHz+Adapter  
 Rate : DHS  
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	1636.0	27.18	-26.82	54.00	32.11	25.96	2.28	33.17	100	240 Average
2	1636.0	49.25	-24.75	74.00	54.18	25.96	2.28	33.17	100	0 Peak
3	2372.0	41.32	-32.68	74.00	43.06	28.26	2.80	32.80	100	0 Peak
4	2372.0	28.14	-25.86	54.00	29.88	28.26	2.80	32.80	100	40 Average
5 @	2480.0	93.98			95.44	28.47	2.87	32.80	100	0 Peak
6 @	2480.0	82.91			84.37	28.47	2.87	32.80	100	40 Average
7	2483.5	57.59	-16.41	74.00	59.05	28.47	2.87	32.80	100	40 Peak
8 !	2483.5	48.12	-5.88	54.00	49.58	28.47	2.87	32.80	100	40 Average
9	8541.0	52.15	-21.85	74.00	41.21	37.91	6.24	33.21	100	0 Peak
10	8541.0	38.89	-15.11	54.00	27.95	37.91	6.24	33.21	100	250 Average
11	10521.0	60.58	-13.42	74.00	47.19	38.79	7.50	32.90	100	0 Peak
12	10521.0	41.98	-12.02	54.00	28.59	38.79	7.50	32.90	100	245 Average
13	14046.0	63.60	-10.40	74.00	44.90	41.56	8.31	31.16	100	0 Peak
14 !	14046.0	49.59	-4.41	54.00	30.89	41.56	8.31	31.16	100	255 Average

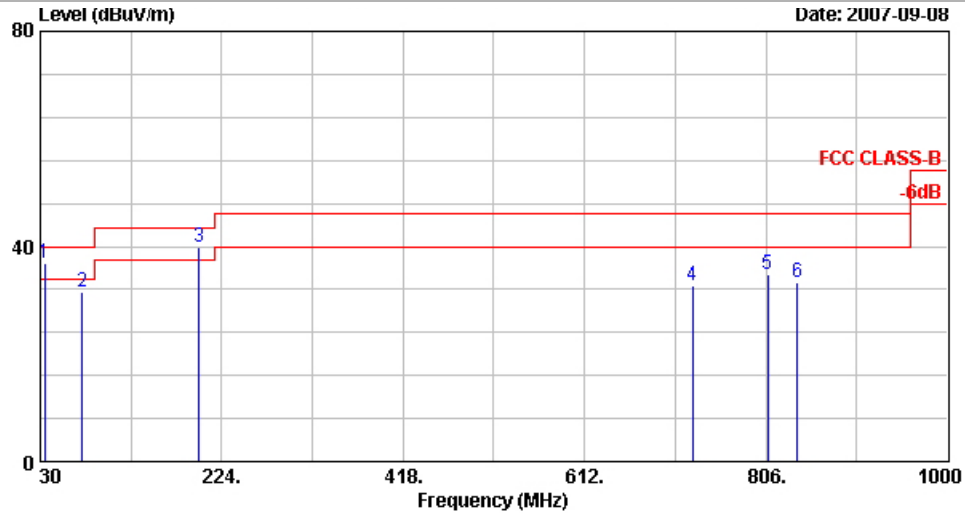
Remark: #3 and #4 Fundamental Signal





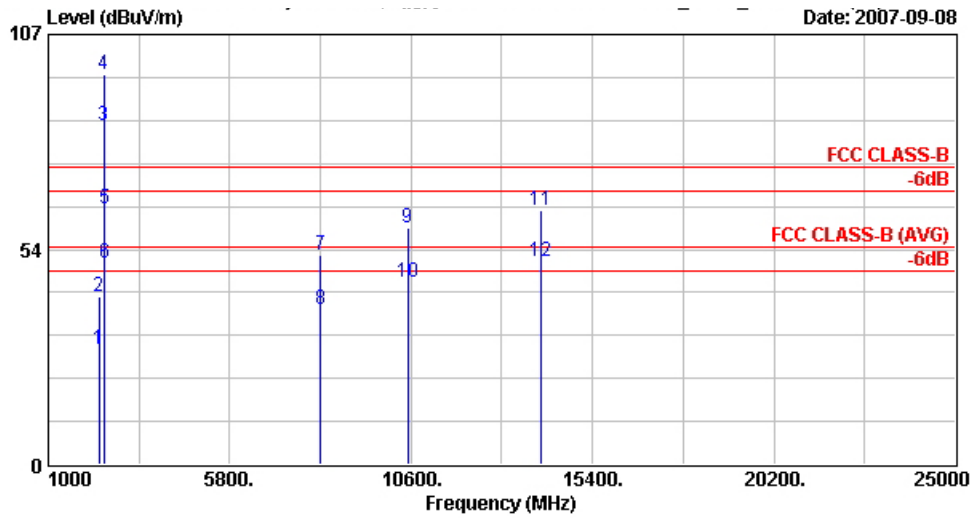
Test Mode : Mode 12  
Polarization : Horizontal

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



Site : 08CH08-HY  
Condition : LP-BILOG HORIZONTAL  
EUT : FDA Smart Phone  
Power : 120W@0Hz  
Model : FR 783112  
Morne : BT Tx CH78,2480MHz+Adapter  
Rate : 2-DHS  
Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	35.1	36.80	-3.20	40.00	46.51	15.53	2.45	27.69	100	265 Peak
2	75.1	31.62	-8.38	40.00	49.51	6.57	3.30	27.75	100	0 Peak
3 !	200.1	39.94	-3.56	43.50	54.86	9.63	3.57	28.12	100	0 Peak
4	727.7	32.83	-13.17	46.00	36.95	20.38	5.18	29.68	100	0 Peak
5	808.2	34.86	-11.14	46.00	38.18	20.76	5.71	29.79	100	0 Peak
6	839.7	33.26	-12.74	46.00	36.10	20.82	5.90	29.56	100	0 Peak



Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 HORIZONTAL  
 EUT : PDA Smart Phone  
 Power : 120V/60Hz  
 Model : FR 783112  
 Mome : BT Tx CH78,2480MHz+Adapter  
 Rate : 2-DH5  
 Plane : E2

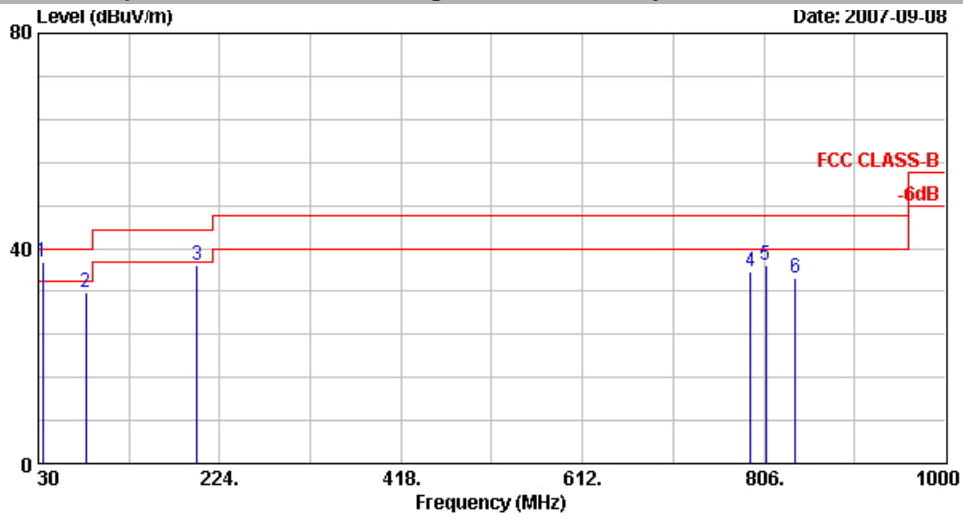
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2340.0	28.46	-25.54	54.00	30.29	28.19	2.78	32.80	332	Average
2	2340.0	41.58	-32.42	74.00	43.41	28.19	2.78	32.80	0	Peak
3 @	2480.0	84.30			85.76	28.47	2.87	32.80	332	Average
4 @	2480.0	96.98			98.44	28.47	2.87	32.80	0	Peak
5	2483.5	63.84	-10.16	74.00	65.30	28.47	2.87	32.80	0	Peak
6 !	2483.5	50.24	-3.76	54.00	51.70	28.47	2.87	32.80	332	Average
7	8202.0	52.09	-21.91	74.00	41.89	37.43	5.97	33.20	0	Peak
8	8202.0	38.50	-15.50	54.00	28.30	37.43	5.97	33.20	100	233 Average
9	10521.0	58.81	-15.19	74.00	45.42	38.79	7.50	32.90	100	0 Peak
10	10521.0	45.37	-8.63	54.00	31.98	38.79	7.50	32.90	235	Average
11	14022.0	63.36	-10.64	74.00	44.62	41.53	8.35	31.13	100	0 Peak
12 !	14022.0	50.50	-3.50	54.00	31.76	41.53	8.35	31.13	100	289 Average

Remark: #3 and #4 Fundamental Signal



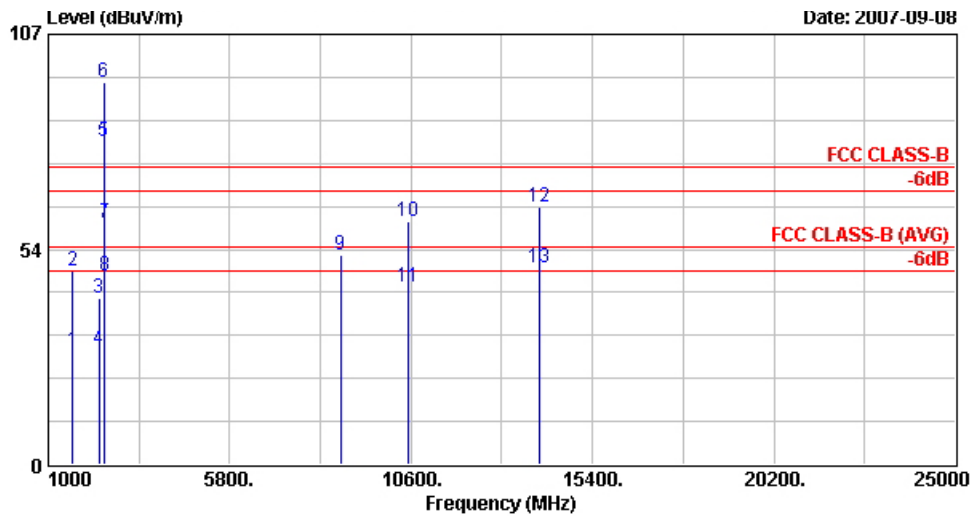
Polarization : Vertical

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



Site : 09CH08-HY  
 Condition : LF-BILOG VERTICAL  
 EUT : PDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Morph : BT Tx CH78,2480MHz+Adapter  
 Rate : 2-DHS  
 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 @	34.9	37.40	-2.60	40.00	47.11	15.53	2.45	27.69	100	360 QP
2	81.3	31.89	-8.11	40.00	49.26	7.58	2.71	27.66	100	0 Peak
3	200.1	36.84	-6.66	43.50	51.76	9.63	3.57	28.12	100	0 Peak
4	792.1	35.67	-10.33	46.00	39.15	20.75	5.59	29.82	100	0 Peak
5	808.2	36.87	-9.13	46.00	40.19	20.76	5.71	29.79	100	0 Peak
6	839.7	34.41	-11.59	46.00	37.25	20.82	5.90	29.56	100	0 Peak



Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Mornr : BT Tx CH78,2480MHz+Adaptex  
 Rate : 2-DHS  
 Plane : E2

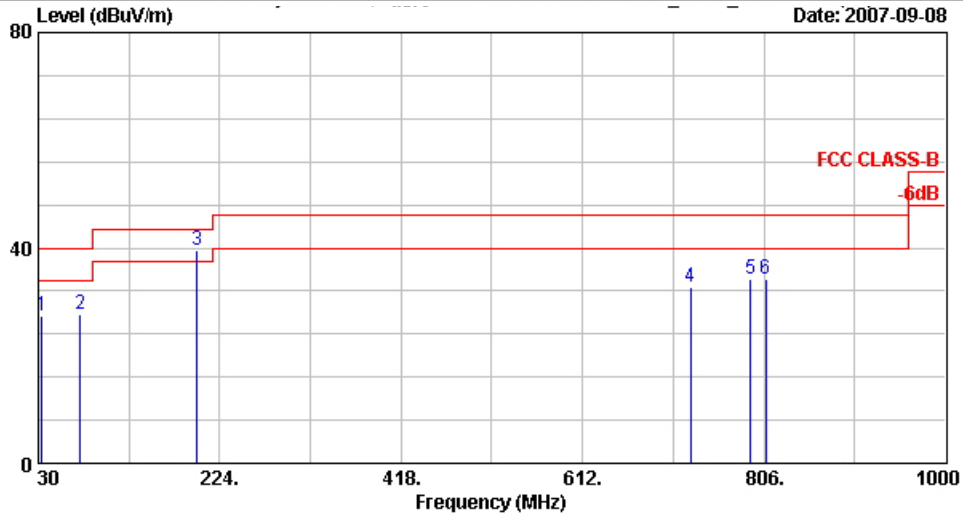
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	1638.0	28.05	-25.95	54.00	32.91	26.03	2.28	33.17	100	243 Average
2	1638.0	48.13	-25.87	74.00	52.99	26.03	2.28	33.17	100	0 Peak
3	2350.0	41.37	-32.63	74.00	43.18	28.19	2.80	32.80	100	0 Peak
4	2350.0	28.63	-25.37	54.00	30.44	28.19	2.80	32.80	100	30 Average
5 @	2480.0	80.53			81.99	28.47	2.87	32.80	100	30 Average
6 @	2480.0	95.00			96.46	28.47	2.87	32.80	100	0 Peak
7	2483.5	59.94	-14.06	74.00	61.40	28.47	2.87	32.80	100	0 Peak
8	2483.5	46.88	-7.12	54.00	48.34	28.47	2.87	32.80	100	30 Average
9	8730.0	51.98	-22.02	74.00	41.28	37.95	5.99	33.25	100	0 Peak
10	10521.0	60.63	-13.37	74.00	47.24	38.79	7.50	32.90	100	0 Peak
11	10521.0	44.05	-9.95	54.00	30.66	38.79	7.50	32.90	100	237 Average
12	14001.0	63.90	-10.10	74.00	45.12	41.50	8.38	31.10	100	0 Peak
13 !	14001.0	48.93	-5.07	54.00	30.15	41.50	8.38	31.10	100	256 Average

Remark: #3 and #4 Fundamental Signal



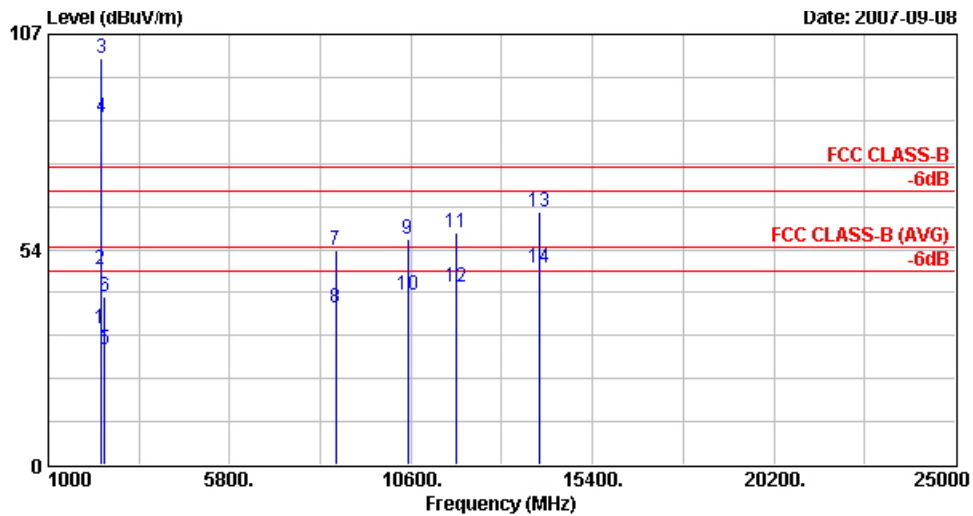
Test Mode : Mode 13  
Polarization : Horizontal

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



Site : 08CH08-HY  
Condition : LF-BILOG HORIZONTAL  
EUT : PDA Smart Phone  
Power : 120W/60Hz  
Model : FR 783112  
Forme : BT Tx CH00,2402MHz+Adapter  
Rate : 3-DHS  
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	33.8	27.28	-12.72	40.00	36.50	16.12	2.35	27.69	100	0	Peak
2	75.1	27.71	-12.29	40.00	45.60	6.57	3.30	27.75	100	0	Peak
3 @	200.1	39.60	-3.90	43.50	54.52	9.63	3.57	28.12	100	225	Peak
4	727.7	32.83	-13.17	46.00	36.95	20.38	5.18	29.68	100	0	Peak
5	792.1	34.29	-11.71	46.00	37.77	20.75	5.59	29.82	100	0	Peak
6	808.2	34.20	-11.80	46.00	37.52	20.76	5.71	29.79	100	0	Peak



Site : 08CH03-HY  
 Condition : HORN-6741-2007-05 HORIZONTAL  
 EUT : FDA Smart Phone  
 Power : 120V/60Hz  
 Model : FR 783112  
 Morne : BT Tx CH00,2402MHz+Adapter  
 Rate : 3-DHS  
 Plane : E2

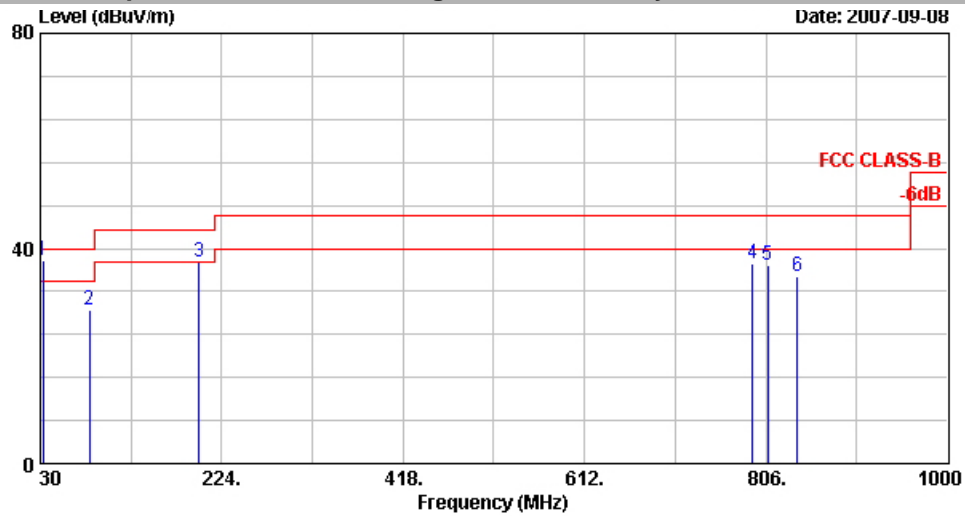
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBUV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
			dB	dBUV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2387.9	33.64	-20.36	54.00	35.32	28.29	2.82	32.80	100	322	Average
2	2387.9	48.54	-25.46	74.00	50.22	28.29	2.82	32.80	100	0	Peak
3 @	2402.0	101.07			102.72	28.33	2.82	32.80	100	0	Peak
4 @	2402.0	86.21			87.89	28.29	2.82	32.80	100	322	Average
5	2494.0	28.55	-25.45	54.00	29.98	28.50	2.87	32.80	100	322	Average
6	2494.0	41.75	-32.25	74.00	43.18	28.50	2.87	32.80	100	0	Peak
7	8610.0	53.24	-20.76	74.00	42.39	37.92	6.14	33.22	100	0	Peak
8	8610.0	38.95	-15.05	54.00	28.10	37.92	6.14	33.22	100	305	Average
9	10521.0	56.27	-17.73	74.00	42.88	38.79	7.50	32.90	100	0	Peak
10	10521.0	42.05	-11.95	54.00	28.66	38.79	7.50	32.90	100	322	Average
11	11814.0	57.57	-16.43	74.00	41.60	39.26	9.44	32.74	100	0	Peak
12	11814.0	44.07	-9.93	54.00	28.10	39.26	9.44	32.74	100	36	Average
13	14013.0	62.96	-11.04	74.00	44.21	41.50	8.35	31.10	100	0	Peak
14 !	14013.0	48.97	-5.03	54.00	30.22	41.50	8.35	31.10	100	58	Average

Remark: #3 and #4 Fundamental Signal



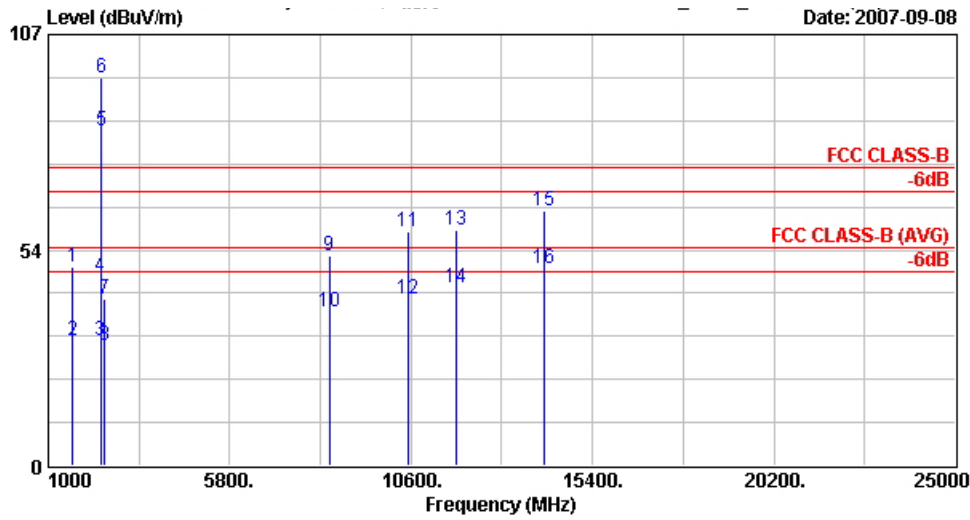
Polarization : Vertical

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



Site : 03CH08-HY  
 Condition : LF-BILOG VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Mome : BT Tx CH00,2402MHz+Adapter  
 Rate : 3-DH5  
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1 @	33.0	37.85	-2.15	40.00	46.57	16.71	2.26	27.69	100	356 QP
2	82.4	28.44	-11.56	40.00	45.70	7.79	2.61	27.66	100	0 Peak
3	200.1	37.33	-6.17	43.50	52.25	9.63	3.57	28.12	100	0 Peak
4	792.1	37.18	-8.82	46.00	40.66	20.75	5.59	29.82	100	0 Peak
5	808.2	36.78	-9.22	46.00	40.10	20.76	5.71	29.79	100	0 Peak
6	839.7	34.68	-11.32	46.00	37.52	20.82	5.90	29.56	100	0 Peak



Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 VERTICAL  
 EUT : PDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Morph : BT Tx CH00,2402MHz+Adapter  
 Rate : 3-DH5  
 Plane : E2

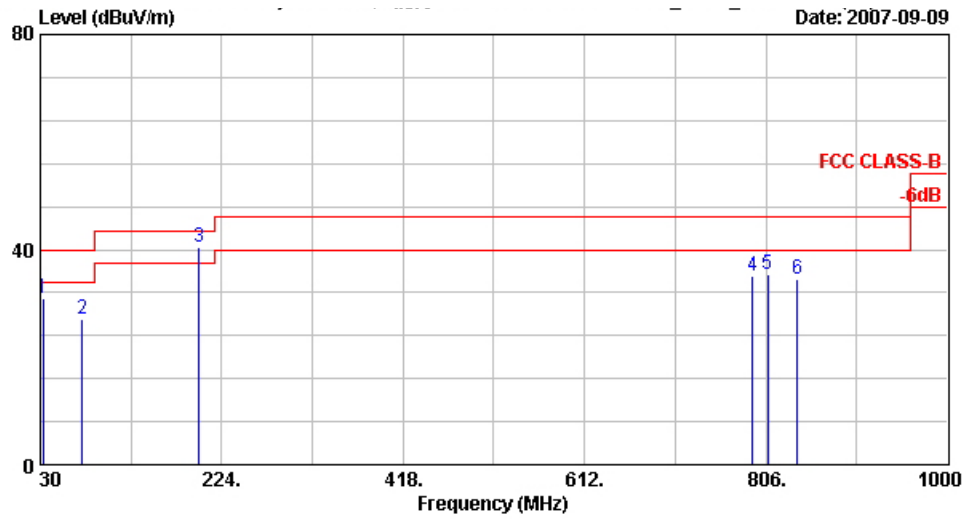
Point	Freq (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
1	1636.0	49.44	-24.56	74.00	54.37	25.96	2.28	33.17	100	0	Peak
2	1636.0	31.09	-22.91	54.00	36.02	25.96	2.28	33.17	100	242	Average
3	2380.3	31.03	-22.97	54.00	32.77	28.26	2.80	32.80	100	302	Average
4	2380.3	46.78	-27.22	74.00	48.52	28.26	2.80	32.80	100	0	Peak
5 @	2402.0	82.95			84.63	28.29	2.82	32.80	100	302	Average
6 @	2402.0	96.18			97.83	28.33	2.82	32.80	100	0	Peak
7	2500.0	41.27	-32.73	74.00	42.70	28.50	2.87	32.80	100	0	Peak
8	2500.0	29.67	-24.33	54.00	31.10	28.50	2.87	32.80	100	302	Average
9	8430.0	52.24	-21.76	74.00	41.41	37.79	6.24	33.20	100	0	Peak
10	8430.0	38.16	-15.84	54.00	27.33	37.79	6.24	33.20	100	325	Average
11	10521.0	58.22	-15.78	74.00	44.83	38.79	7.50	32.90	100	0	Peak
12	10521.0	41.40	-12.60	54.00	28.01	38.79	7.50	32.90	100	302	Average
13	11802.0	58.37	-15.63	74.00	42.41	39.26	9.44	32.74	100	0	Peak
14	11802.0	44.23	-9.77	54.00	28.27	39.26	9.44	32.74	100	55	Average
15	14118.0	63.39	-10.61	74.00	44.64	41.69	8.28	31.23	100	0	Peak
16 !	14118.0	49.01	-4.99	54.00	30.26	41.69	8.28	31.23	100	287	Average

Remark: #5 and #6 Fundamental Signal



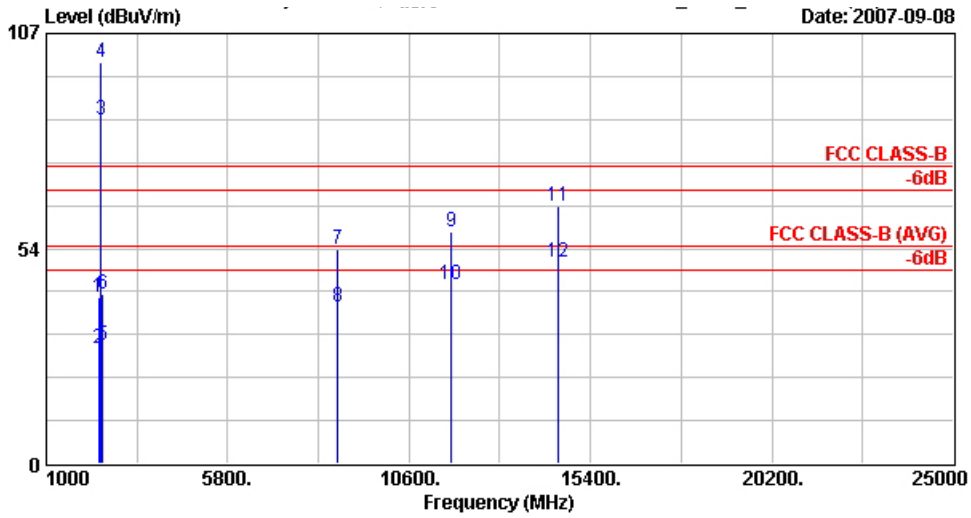


Test Mode : Mode 14  
Polarization : Horizontal



Site : 08CH08-HY  
Condition : LF-BILOG HORIZONTAL  
EUT : FDA Smart Phone  
Power : 120W/60Hz  
Model : FR 783112  
Morne : BT Tx CHB9,2441MHz+Adapter  
Rate : 3-DHS  
Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	32.7	30.98	-9.02	40.00	39.70	16.71	2.26	27.69	100	0 Peak
2	75.1	26.95	-13.05	40.00	44.84	6.57	3.30	27.75	100	0 Peak
3 @	200.1	40.30	-3.20	43.50	55.22	9.63	3.57	28.12	100	266 Peak
4	792.1	35.02	-10.98	46.00	38.50	20.75	5.59	29.82	100	0 Peak
5	808.2	35.42	-10.58	46.00	38.74	20.76	5.71	29.79	100	0 Peak
6	839.7	34.37	-11.63	46.00	37.21	20.82	5.90	29.56	100	0 Peak



Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 HORIZONTAL  
 EUT : PDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Mome : BT Tx CHB9,2441MHz+Adapter  
 Rate : 3-DHS  
 Plane : E2

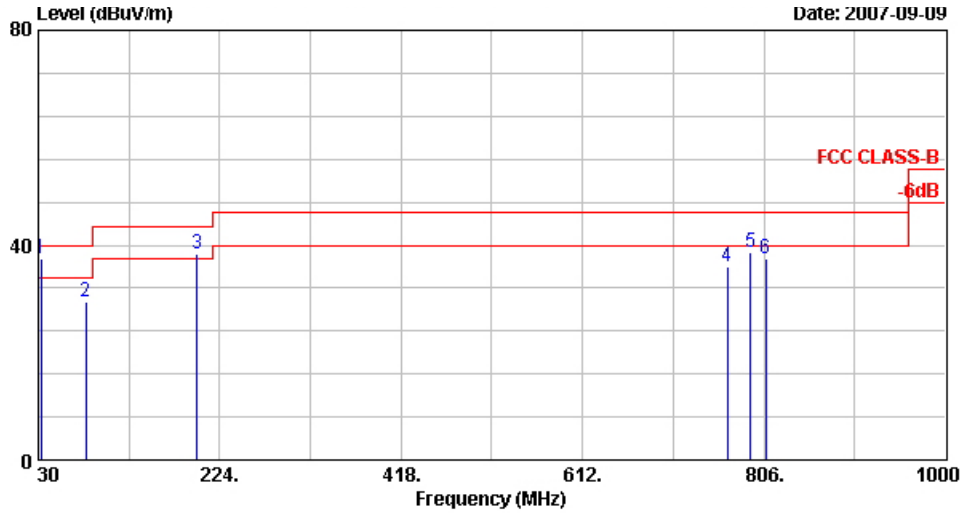
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2388.0	41.53	-32.47	74.00	43.21	28.29	2.82	32.80	100	0 Peak
2	2388.0	28.58	-25.42	54.00	30.26	28.29	2.82	32.80	100	320 Average
3 @	2441.0	85.47			87.03	28.40	2.85	32.80	100	320 Average
4 @	2441.0	99.87			101.43	28.40	2.85	32.80	100	0 Peak
5	2484.0	29.53	-24.47	54.00	30.99	28.47	2.87	32.80	100	320 Average
6	2484.0	42.10	-31.90	74.00	43.56	28.47	2.87	32.80	100	0 Peak
7	8721.0	53.19	-20.81	74.00	42.50	37.94	5.99	33.25	100	0 Peak
8	8721.0	38.83	-15.17	54.00	28.14	37.94	5.99	33.25	100	238 Average
9	11718.0	57.54	-16.46	74.00	41.64	39.24	9.41	32.76	100	0 Peak
10	11718.0	44.67	-9.33	54.00	28.77	39.24	9.41	32.76	100	345 Average
11	14538.0	63.87	-10.13	74.00	45.45	42.19	7.95	31.73	100	0 Peak
12 !	14538.0	50.27	-3.73	54.00	31.85	42.19	7.95	31.73	100	125 Average

Remark: #3 and #4 Fundamental Signal



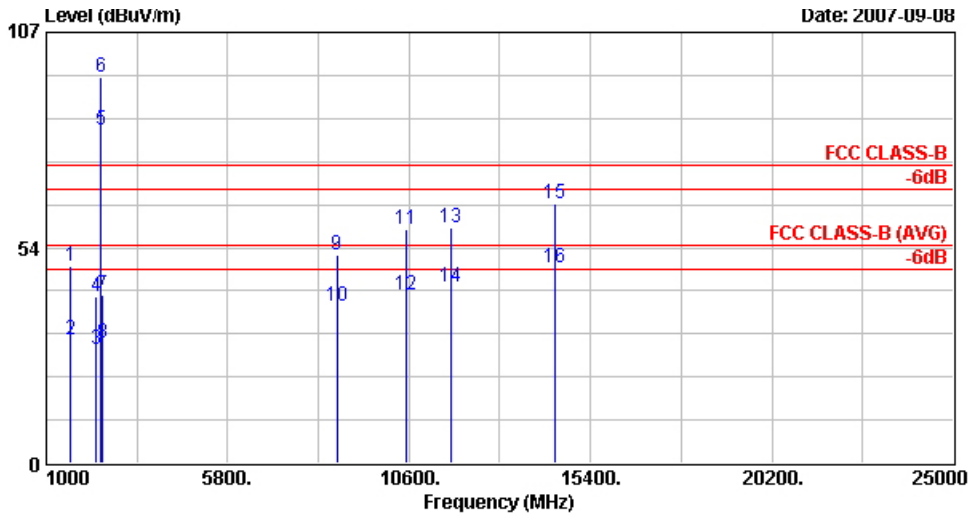
Polarization : Vertical

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



Site : 03CH03-HY  
 Condition : LF-BILOG VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120W@0Hz  
 Model : FR 783112  
 Mome : BT Tx CH39,2441MHz+Adapter  
 Rate : 3-DHS  
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark		
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos			
			dB	dBuV/m	dBuV	dB	dB	cm	deg			
<b>1</b>	<b>@</b>	33.0	37.42	-2.58	40.00	46.14	16.71	2.26	27.69	100	350	QP
2		81.3	29.49	-10.51	40.00	46.86	7.58	2.71	27.66	100	0	Peak
3	!	200.1	38.46	-5.04	43.50	53.38	9.63	3.57	28.12	100	0	Peak
4		766.9	35.85	-10.15	46.00	39.67	20.73	5.16	29.71	100	0	Peak
5		792.1	38.71	-7.29	46.00	42.19	20.75	5.59	29.82	100	0	Peak
6		808.2	37.47	-8.53	46.00	40.79	20.76	5.71	29.79	100	0	Peak



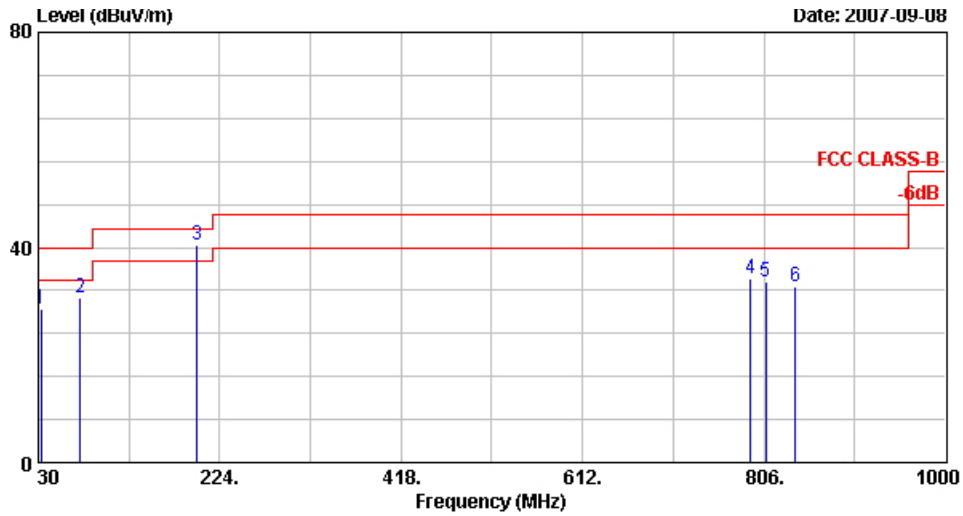
Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120V/60Hz  
 Model : FR 783112  
 Mfrme : BT Tx CHB9,2441MHz+Adapter  
 Rate : 3-DHS  
 Plane : E2

	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	1636.0	49.11	-24.89	74.00	54.04	25.96	2.28	33.17	100	0	Peak
2	1636.0	30.64	-23.36	54.00	35.57	25.96	2.28	33.17	100	246	Average
3	2316.0	28.40	-25.60	54.00	30.30	28.12	2.78	32.80	100	300	Average
4	2316.0	41.48	-32.52	74.00	43.38	28.12	2.78	32.80	100	0	Peak
5 @	2441.0	82.55			84.11	28.40	2.85	32.80	100	300	Average
6 @	2441.0	95.67			97.23	28.40	2.85	32.80	100	0	Peak
7	2486.0	41.60	-32.40	74.00	43.06	28.47	2.87	32.80	100	0	Peak
8	2486.0	29.76	-24.24	54.00	31.22	28.47	2.87	32.80	100	300	Average
9	8697.0	51.75	-22.25	74.00	41.01	37.94	6.04	33.24	100	0	Peak
10	8697.0	38.96	-15.04	54.00	28.22	37.94	6.04	33.24	100	327	Average
11	10521.0	58.02	-15.98	74.00	44.63	38.79	7.50	32.90	100	0	Peak
12	10521.0	41.83	-12.17	54.00	28.44	38.79	7.50	32.90	100	300	Average
13	11721.0	58.64	-15.36	74.00	42.74	39.24	9.41	32.76	100	0	Peak
14	11721.0	43.95	-10.05	54.00	28.05	39.24	9.41	32.76	100	285	Average
15	14466.0	64.48	-9.52	74.00	45.93	42.24	7.97	31.67	100	0	Peak
16 !	14466.0	48.71	-5.29	54.00	30.16	42.24	7.97	31.67	100	286	Average

Remark: #5 and #6 Fundamental Signal

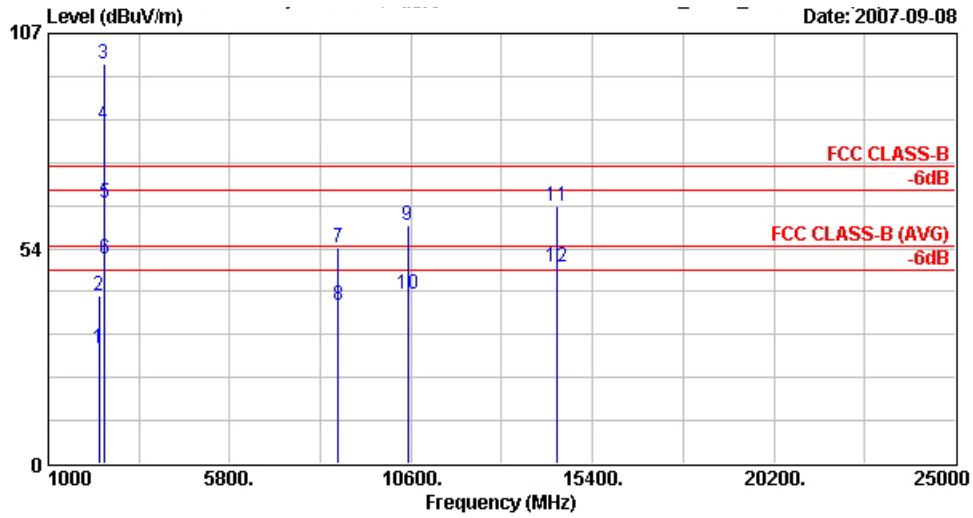


Test Mode : Mode 15  
Polarization : Horizontal



Site : 03CH03-HY  
Condition : LF-BILOG HORIZONTAL  
EUT : PDA Smart Phone  
Power : 120W/60Hz  
Model : FR 783112  
Morne : BT Tx CH78,2480MHz+Adapter  
Rate : 3-DHS  
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	32.7	28.50	-11.50	40.00	37.22	16.71	2.26	27.69	100	0	Peak
2	75.1	30.69	-9.31	40.00	48.58	6.57	3.30	27.75	100	0	Peak
3 @	200.1	40.50	-3.00	43.50	55.42	9.63	3.57	28.12	100	288	Peak
4	792.1	34.16	-11.84	46.00	37.64	20.75	5.59	29.82	100	0	Peak
5	808.2	33.59	-12.41	46.00	36.91	20.76	5.71	29.79	100	0	Peak
6	839.7	32.62	-13.38	46.00	35.46	20.82	5.90	29.56	100	0	Peak



Site : 03CH03-HY  
 Condition : HORN-6741-2007-05 HORIZONTAL  
 EUT : PDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Mome : BT Tx CH78,2480MHz+Adapter  
 Rate : 3-DHS  
 Plane : E2

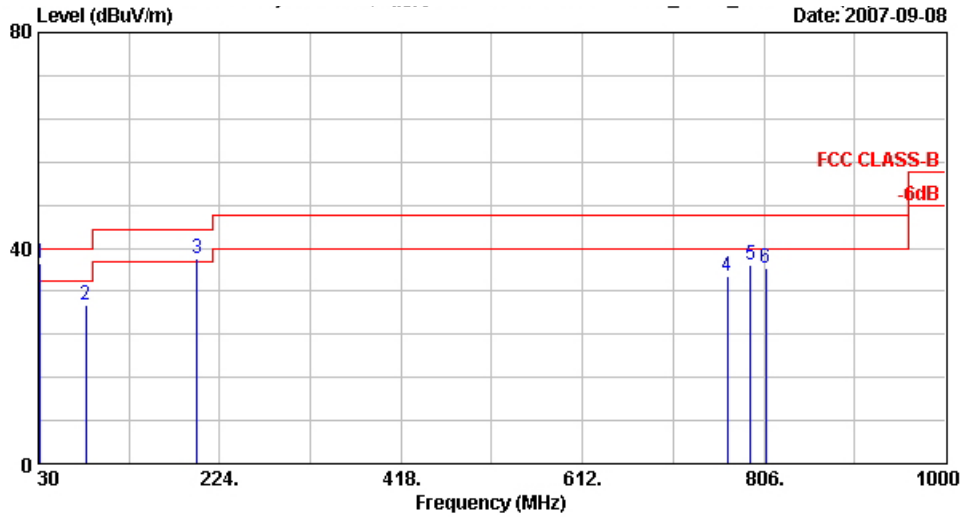
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	2340.0	28.45	-25.55	54.00	30.28	28.19	2.78	32.80	100	327 Average
2	2340.0	41.60	-32.40	74.00	43.43	28.19	2.78	32.80	100	0 Peak
3 @	2480.0	99.26			100.72	28.47	2.87	32.80	100	0 Peak
4 @	2480.0	84.21			85.67	28.47	2.87	32.80	100	327 Average
5	2483.5	64.65	-9.35	74.00	66.11	28.47	2.87	32.80	100	0 Peak
6 @	2483.5	51.03	-2.97	54.00	52.49	28.47	2.87	32.80	100	327 Average
7	8682.0	53.81	-20.19	74.00	43.06	37.94	6.04	33.24	100	0 Peak
8	8682.0	39.30	-14.70	54.00	28.55	37.94	6.04	33.24	100	55 Average
9	10521.0	59.27	-14.73	74.00	45.88	38.79	7.50	32.90	100	0 Peak
10	10521.0	41.99	-12.01	54.00	28.60	38.79	7.50	32.90	100	321 Average
11	14445.0	64.01	-9.99	74.00	45.46	42.22	7.97	31.64	100	0 Peak
12 !	14445.0	48.76	-5.24	54.00	30.21	42.22	7.97	31.64	100	286 Average

Remark: #3 and #4 Fundamental Signal



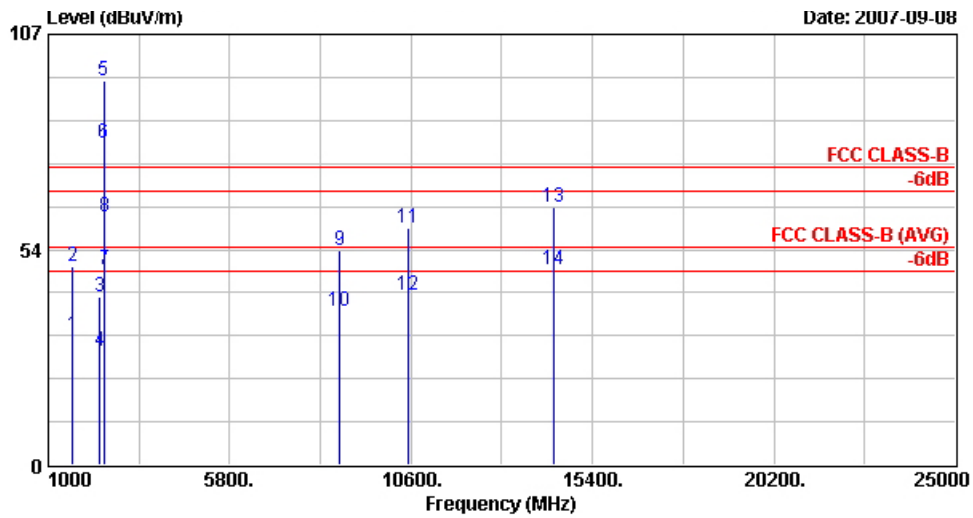
Polarization : Vertical

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



Site : 08CH08-HY  
 Condition : LF-BILOG VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120W@0Hz  
 Model : FR 783112  
 Mome : BT Tx CH78,2480MHz+Adapter  
 Rate : 3-DHS  
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1 @	31.9	37.11	-2.89	40.00	45.33	17.30	2.16	27.68	100	355 QP
2	80.5	29.39	-10.61	40.00	46.87	7.36	2.82	27.66	100	0 Peak
3 !	200.1	38.02	-5.48	43.50	52.94	9.63	3.57	28.12	100	0 Peak
4	766.9	34.74	-11.26	46.00	38.56	20.73	5.16	29.71	100	0 Peak
5	792.1	36.82	-9.18	46.00	40.30	20.75	5.59	29.82	100	0 Peak
6	808.2	36.22	-9.78	46.00	39.54	20.76	5.71	29.79	100	0 Peak



Date: 2007-09-08

Site : 03CH08-HY  
 Condition : HORN-6741-2007-05 VERTICAL  
 EUT : FDA Smart Phone  
 Power : 120W/60Hz  
 Model : FR 783112  
 Mome : BT Tx CH78,2480MHz+Adaptex  
 Rate : 3-DHS  
 Plane : E2

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB	dB	cm	deg	
1	1638.0	32.36	-21.64	54.00	37.22	26.03	2.28	33.17	100	245 Average
2	1638.0	49.31	-24.69	74.00	54.17	26.03	2.28	33.17	100	0 Peak
3	2372.0	41.65	-32.35	74.00	43.39	28.26	2.80	32.80	100	0 Peak
4	2372.0	28.33	-25.67	54.00	30.07	28.26	2.80	32.80	100	33 Average
5 @	2480.0	95.28			96.74	28.47	2.87	32.80	100	0 Peak
6 @	2480.0	80.09			81.55	28.47	2.87	32.80	100	33 Average
7 !	2483.5	48.71	-5.29	54.00	50.17	28.47	2.87	32.80	100	33 Average
8	2483.5	61.82	-12.18	74.00	63.28	28.47	2.87	32.80	100	0 Peak
9	8706.0	53.28	-20.72	74.00	42.59	37.94	5.99	33.24	100	0 Peak
10	8706.0	38.12	-15.88	54.00	27.43	37.94	5.99	33.24	100	68 Average
11	10521.0	58.89	-15.11	74.00	45.50	38.79	7.50	32.90	100	0 Peak
12	10521.0	42.16	-11.84	54.00	28.77	38.79	7.50	32.90	100	33 Average
13	14385.0	64.13	-9.87	74.00	45.56	42.11	8.04	31.57	100	0 Peak
14 !	14385.0	48.45	-5.55	54.00	29.88	42.11	8.04	31.57	100	258 Average

Remark: #5 and #6 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 BT 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	100359	9kHz – 2.75GHz	Mar. 01, 2007	Feb. 29, 2008	Conduction (CO04-HY)
LISN	MessTec	NNB-2/16Z	99079	9kHz – 30MHz	Mar. 31, 2007	Mar. 30, 2008	Conduction (CO04-HY)
LISN (Support Unit)	EMCO	3810/2NM	9703-1839	9kHz – 30MHz	Mar. 22, 2007	Mar. 21, 2008	Conduction (CO04-HY)
RF Cable-CON	UTIFLEX	3102-26886-4	CB049	9kHz – 30MHz	Apr. 20, 2007	Apr. 19, 2008	Conduction (CO04-HY)
ISN	SCHAFFNER	ISN T400	21653	9kHz –30MHz	Mar. 09, 2007	Mar. 08, 2008	Conduction (CO04-HY)
EMI Filter	LINDGREN	LRE-2030	2651	< 450 Hz	N/A	N/A	Conduction (CO04-HY)
Isolation Transformer	Erika Fiedler OHG	D-65396 Walluf	58	45MHz-2.15GHz	N/A	N/A	Conduction (CO04-HY)
Spectrum Analyzer	Agilent	E4408B	MY44211030	9KHz-26.5GHz	Oct. 05, 2007	Oct. 04, 2008	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 26, 200	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)

## 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
<b>Combined standard uncertainty Uc(y)</b>	<b>1.13</b>		
<b>Measuring uncertainty for a level of confidence of 95% U=2Uc(y)</b>	<b>2.26</b>		

### 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
<b>Combined standard uncertainty Uc(y)</b>	<b>1.30</b>		
<b>Measuring uncertainty for a level of confidence of 95% U=2Uc(y)</b>	<b>2.60</b>		

The measured result is :  $y$  dBuV  $\pm$  U dB

for a level of confidence of approximately 95% , ( k= 2 )



**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
<b>Combined standard uncertainty Uc(y)</b>	<b>2.36</b>				
<b>Measuring uncertainty for a level of confidence of 95% U=2Uc(y)</b>	<b>4.72</b>				