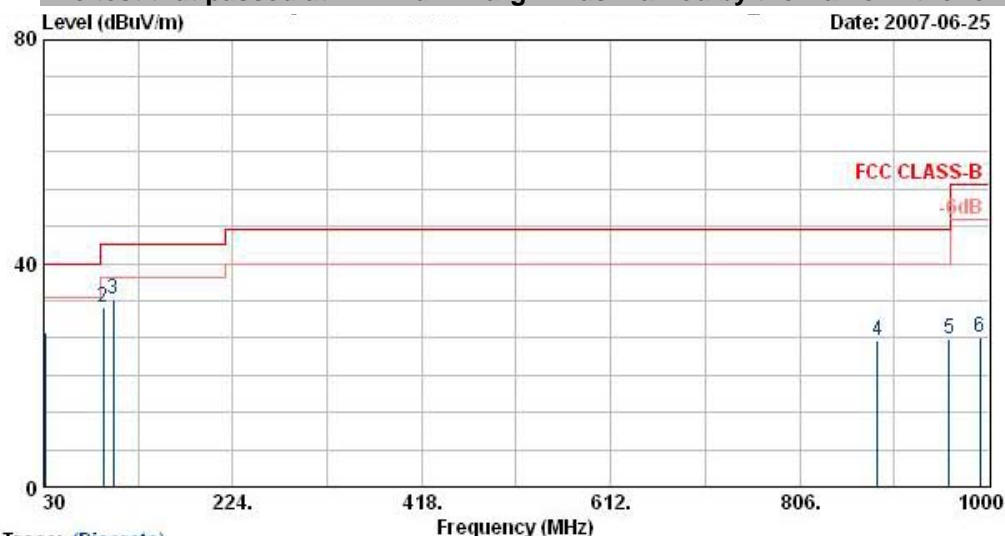




- Polarization : Vertical

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



Trace: (Discrete)

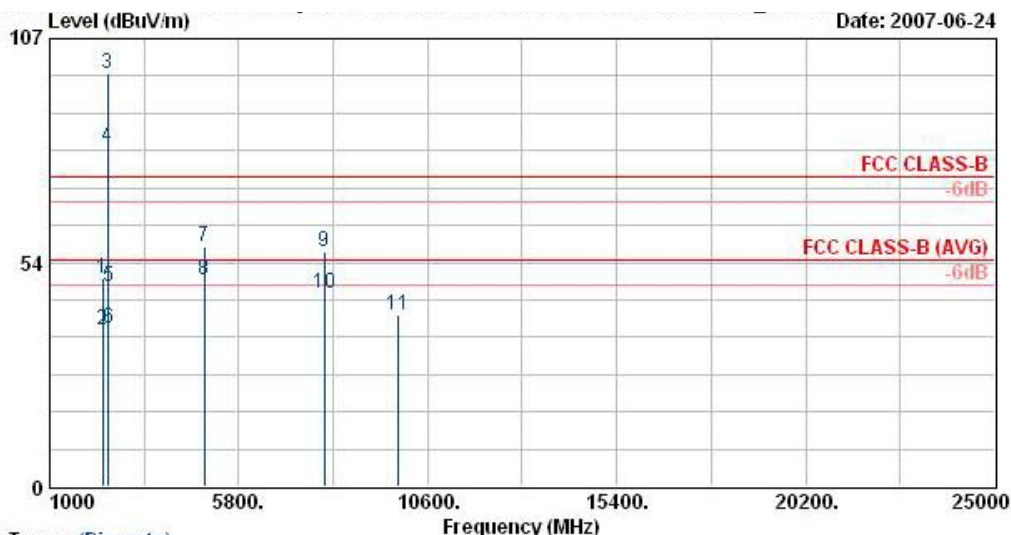
Site : 03CH06-HY  
 Condition : LF-ANT(951121) VERTICAL  
 EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
 (802.11b/g and Bluetooth)  
 Power : 120Vac/60Hz  
 Model : FR 761417  
 Memo : WLAN 11b Tx\_Ch11;2462MHz  
 Plane : E1  
 Data Rate : 11

	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.08	27.79	-12.21	40.00	39.62	18.95	0.64	31.43	---	---	Peak
2 @	91.29	32.14	-11.36	43.50	53.00	9.23	1.04	31.12	---	---	Peak
3 @	101.28	33.71	-9.79	43.50	52.73	11.07	1.07	31.15	100	165	Peak
4	885.90	26.17	-19.83	46.00	32.37	20.43	3.76	30.39	---	---	Peak
5	959.40	26.61	-19.39	46.00	32.00	20.95	3.94	30.28	---	---	Peak
6	990.90	26.89	-27.11	54.00	31.98	21.18	4.00	30.27	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HY  
Condition : SHF-EHF HORN VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11b Tx\_Ch11;2462MHz  
Plane : E1  
Data Rate : 11

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2344.00	49.60	-24.40	74.00	51.07	30.24	3.71	35.42	100	0 Peak
2	2344.00	37.50	-16.50	54.00	38.98	30.24	3.71	35.42	104	101 Average
3 @	2462.00	98.55			99.92	30.29	3.84	35.49	100	0 Peak
4 @	2462.00	81.12			82.49	30.29	3.84	35.49	104	101 Average
5	2490.22	47.75	-26.25	74.00	49.10	30.30	3.86	35.51	100	0 Peak
6	2490.22	37.61	-16.39	54.00	38.96	30.30	3.86	35.51	104	101 Average
7	4924.00	57.20	-16.80	74.00	54.16	33.34	5.92	36.21	100	0 Peak
8 @	4924.00	49.37	-4.63	54.00	46.32	33.34	5.92	36.21	100	287 Average
9	7977.00	56.26	-17.74	74.00	44.77	39.55	7.78	35.85	---	--- Peak
10 @	7977.00	46.19	-7.81	54.00	34.70	39.55	7.78	35.85	100	288 Average
11	9846.00	41.02	-32.98	74.00	78.01	-9.63	9.18	36.54	---	--- Peak

Remark: #3 and #4 Fundamental Signal

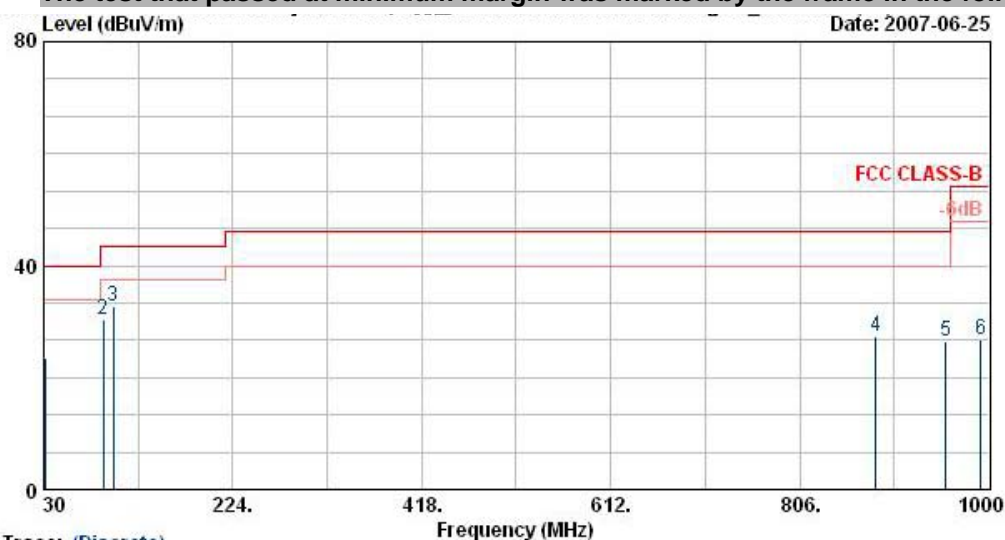


## FCC TEST REPORT

Report No. : FR761417

- Test Mode : Mode 4
- Polarization : Horizontal

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



Trace: (Discrete)

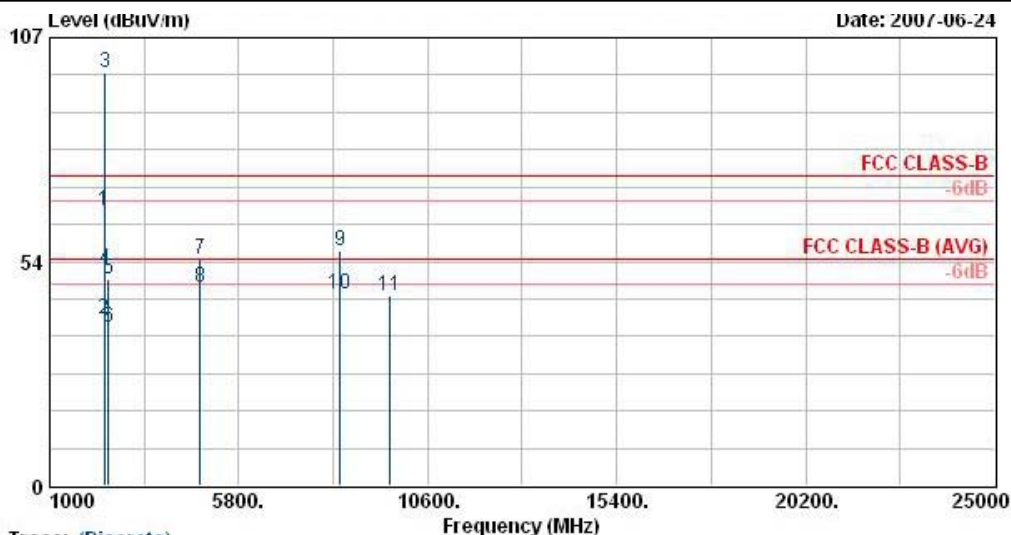
Site : 03CH06-HY  
 Condition : LF-ANT(951121) HORIZONTAL  
 EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
 (802.11b/g and Bluetooth)  
 Power : 120Vac/60Hz  
 Model : FR 761417  
 Memo : WLAN 11g Tx\_Ch01;2412MHz  
 Plane : E1  
 Data Rate : 54

	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	31.62	23.48	-16.52	40.00	35.98	18.25	0.65	31.39	---	---	Peak
2	91.29	30.41	-13.09	43.50	51.26	9.23	1.04	31.12	---	---	Peak
3 @	101.28	32.58	-10.92	43.50	51.60	11.07	1.07	31.15	100	259	Peak
4	883.80	27.24	-18.76	46.00	33.47	20.41	3.75	30.39	---	---	Peak
5	955.90	26.38	-19.62	46.00	31.80	20.93	3.93	30.28	---	---	Peak
6	992.30	26.71	-27.29	54.00	31.79	21.18	4.00	30.27	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HV  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch01;2412MHz  
Plane : E1  
Data Rate : 54

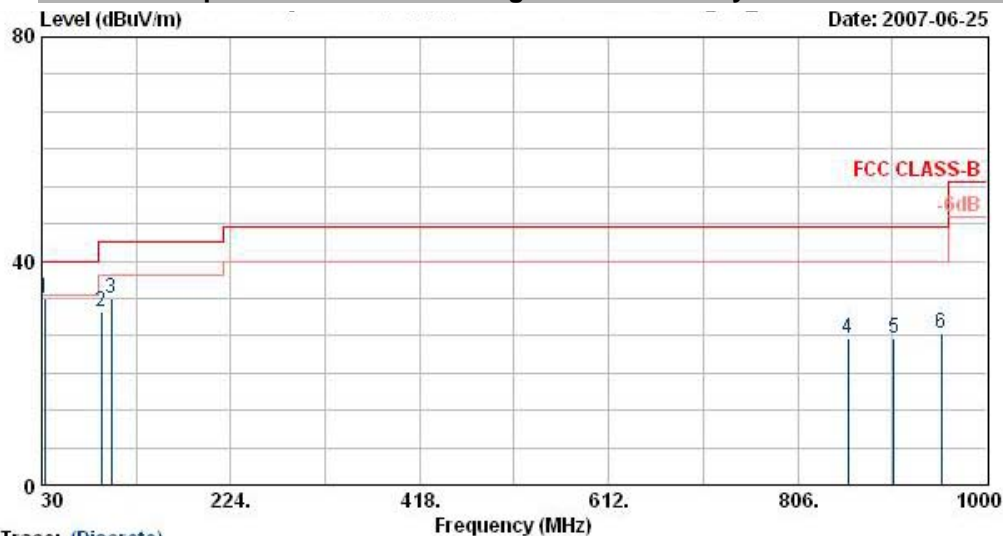
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	2389.76	65.80	-8.20	74.00	67.25	30.26	3.75	35.46	100	0	Peak
2	2389.76	39.80	-14.20	54.00	41.25	30.26	3.75	35.46	100	32	Average
3 @	2412.00	98.45			99.87	30.27	3.77	35.46	100	0	Peak
4 @	2412.00	51.78			53.20	30.27	3.77	35.46	100	32	Average
5	2494.00	49.31	-24.69	74.00	50.65	30.30	3.88	35.53	100	0	Peak
6	2494.00	37.89	-16.11	54.00	39.24	30.30	3.88	35.53	100	32	Average
7	4824.00	54.00	-20.00	74.00	51.33	32.94	5.84	36.12	100	0	Peak
8 @	4824.00	47.20	-6.80	54.00	44.53	32.94	5.84	36.12	100	159	Average
9	8376.00	56.01	-17.99	74.00	44.56	39.30	8.20	36.05	---	---	Peak
10 @	8376.00	45.65	-8.35	54.00	34.20	39.30	8.20	36.05	100	265	Average
11	9642.00	45.22	-28.78	74.00	82.87	-10.09	9.12	36.68	---	---	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.



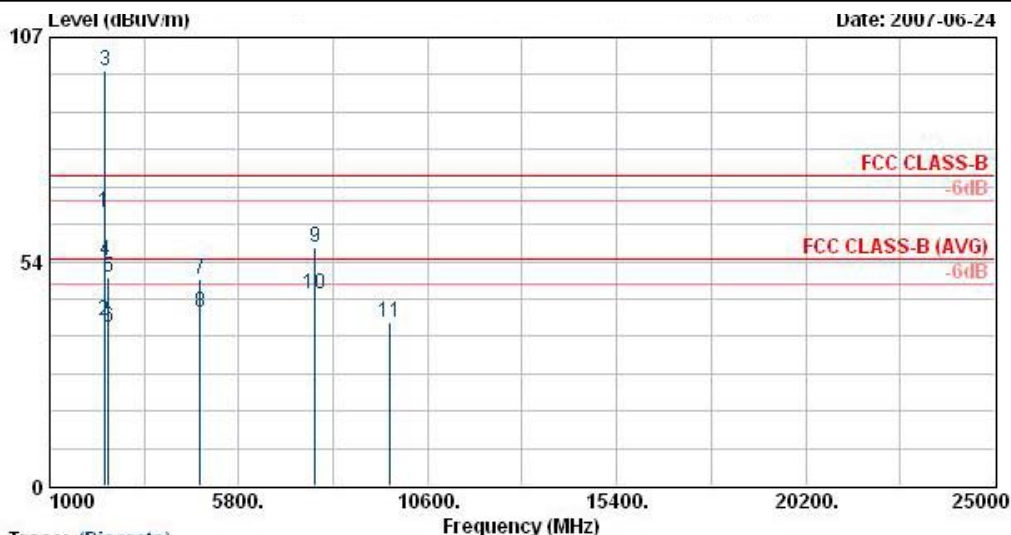
Site : 03CH06-HY  
Condition : LF-ANT(951121) VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch01;2412MHz  
Plane : E1  
Data Rate : 54

	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 @	33.24	33.17	-6.83	40.00	46.33	17.54	0.66	31.36	100	155
2	91.29	30.84	-12.66	43.50	51.70	9.23	1.04	31.12	---	---
3 @	101.28	33.21	-10.29	43.50	52.23	11.07	1.07	31.15	---	---
4	857.90	26.08	-19.92	46.00	32.62	20.23	3.65	30.42	---	---
5	904.80	26.24	-19.76	46.00	32.21	20.56	3.83	30.36	---	---
6	953.80	27.04	-18.96	46.00	32.49	20.91	3.93	30.28	---	---



# FCC TEST REPORT

Report No. : FR761417



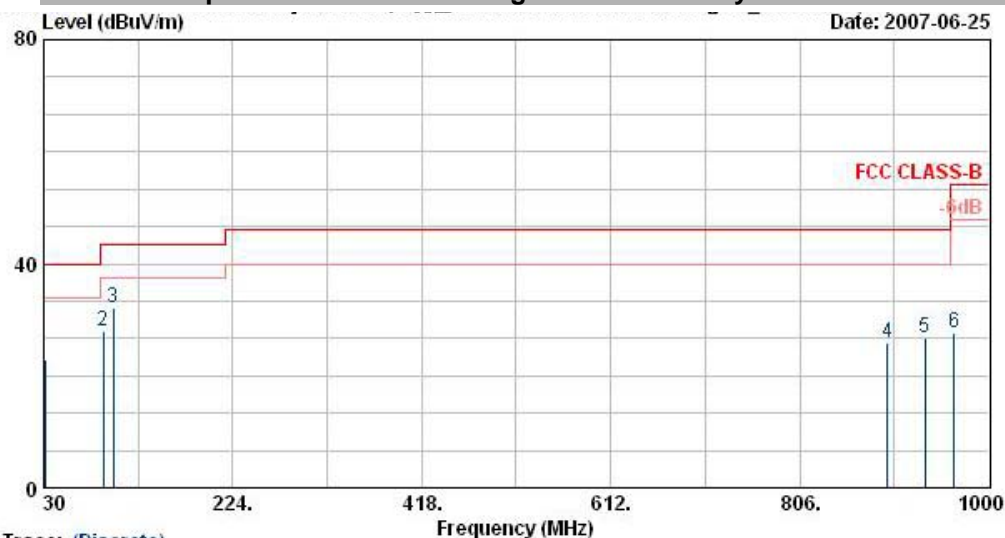
Remark: #3 and #4 Fundamental Signal





- Test Mode : Mode 5
- Polarization : Horizontal

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



Trace: (Discrete)

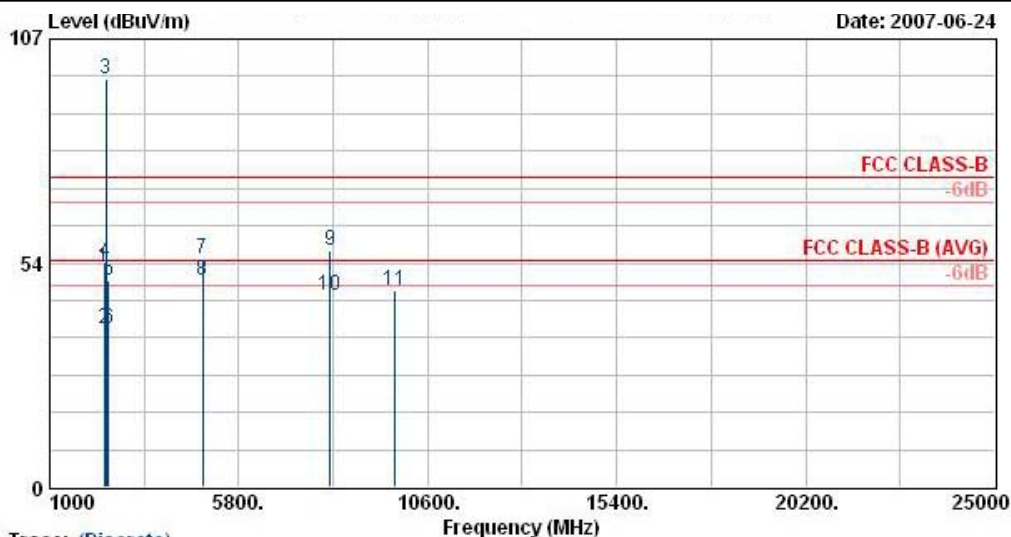
Site : 03CH06-HY  
 Condition : LF-ANT(951121) HORIZONTAL  
 EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
 (802.11b/g and Bluetooth)  
 Power : 120Vac/60Hz  
 Model : FR 761417  
 Memo : WLAN 11g Tx\_Ch06;2437MHz  
 Plane : E1  
 Data Rate : 54

	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	31.62	22.98	-17.02	40.00	35.47	18.25	0.65	31.39	---	---	Peak
2	91.29	28.01	-15.49	43.50	48.86	9.23	1.04	31.12	---	---	Peak
3 @	101.28	32.23	-11.27	43.50	51.24	11.07	1.07	31.15	100	166	Peak
4	896.40	25.90	-20.10	46.00	31.97	20.50	3.80	30.37	---	---	Peak
5	934.90	26.87	-19.13	46.00	32.51	20.78	3.89	30.31	---	---	Peak
6	964.30	27.77	-26.23	54.00	33.12	20.98	3.95	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HY  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch06:2437MHz  
Plane : E1  
Data Rate : 54

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2384.00	52.34	-21.66	74.00	53.78	30.25	3.75	35.44	100	0	Peak
2	2384.00	37.86	-16.14	54.00	39.30	30.25	3.75	35.44	100	30	Average
3 @	2437.00	97.49			98.90	30.27	3.79	35.47	100	0	Peak
4 @	2437.00	53.71			55.09	30.28	3.82	35.47	100	30	Average
5	2494.00	49.44	-24.56	74.00	50.79	30.30	3.88	35.53	100	0	Peak
6	2494.00	37.78	-16.22	54.00	39.13	30.30	3.88	35.53	100	30	Average
7	4874.00	54.36	-19.64	74.00	51.50	33.14	5.88	36.16	100	0	Peak
8 @	4874.00	49.38	-4.62	54.00	46.52	33.14	5.88	36.16	100	158	Average
9	8127.00	56.35	-17.65	74.00	44.82	39.50	7.94	35.91	---	---	Peak
10 @	8127.00	45.72	-8.28	54.00	34.20	39.50	7.94	35.91	100	302	Average
11	9747.00	46.90	-27.10	74.00	84.21	-9.85	9.15	36.61	---	---	Peak

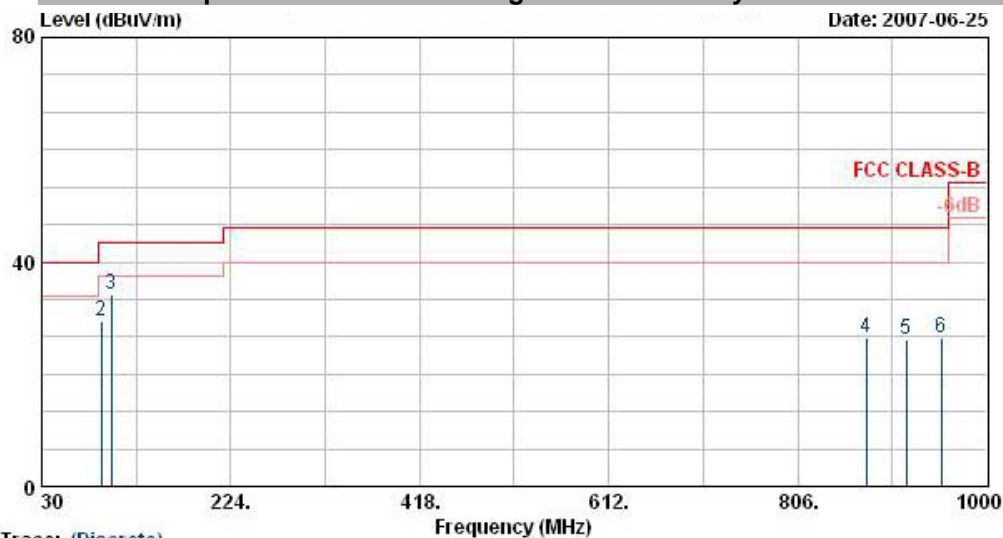
Remark: #3 and #4 Fundamental Signal





- Polarization : Vertical

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



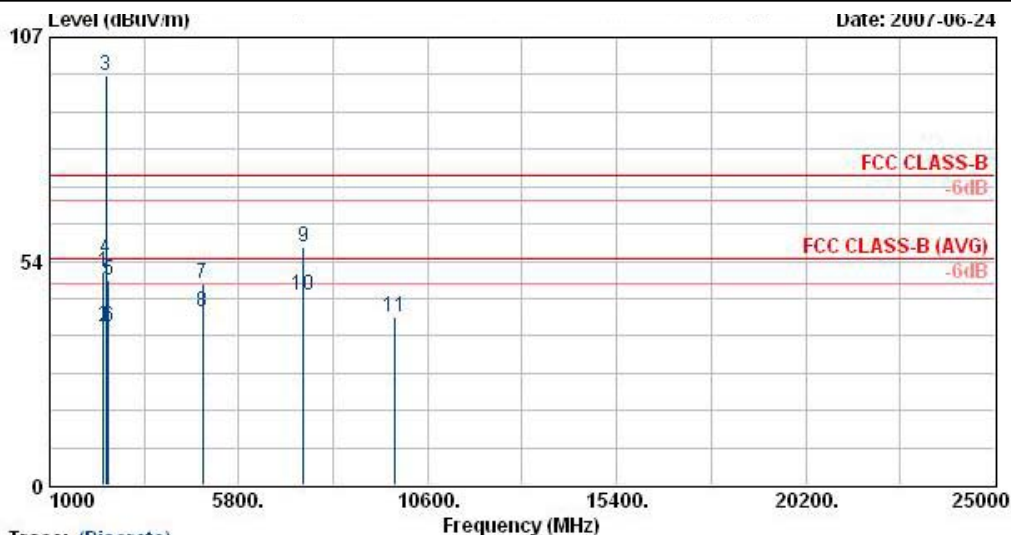
Site : 03CH06-HY  
Condition : LF-ANT(951121) VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch06;2437MHz  
Plane : E1  
Data Rate : 54

Date: 1/24											
	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	30.54	27.71	-12.29	40.00	39.54	18.95	0.64	31.43	---	---	Peak
2	91.29	29.36	-14.14	43.50	50.21	9.23	1.04	31.12	---	---	Peak
3 @	101.28	34.33	-9.17	43.50	53.34	11.07	1.07	31.15	100	201	Peak
4	876.80	26.32	-19.68	46.00	32.63	20.36	3.72	30.40	---	---	Peak
5	917.40	26.11	-19.89	46.00	31.94	20.65	3.85	30.34	---	---	Peak
6	953.80	26.55	-19.45	46.00	31.99	20.91	3.93	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Trace: (Discrete)

Site : 03CH06-HV  
Condition : SHF-EHF HORN VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch06;2437MHz  
Plane : E1  
Data Rate : 54

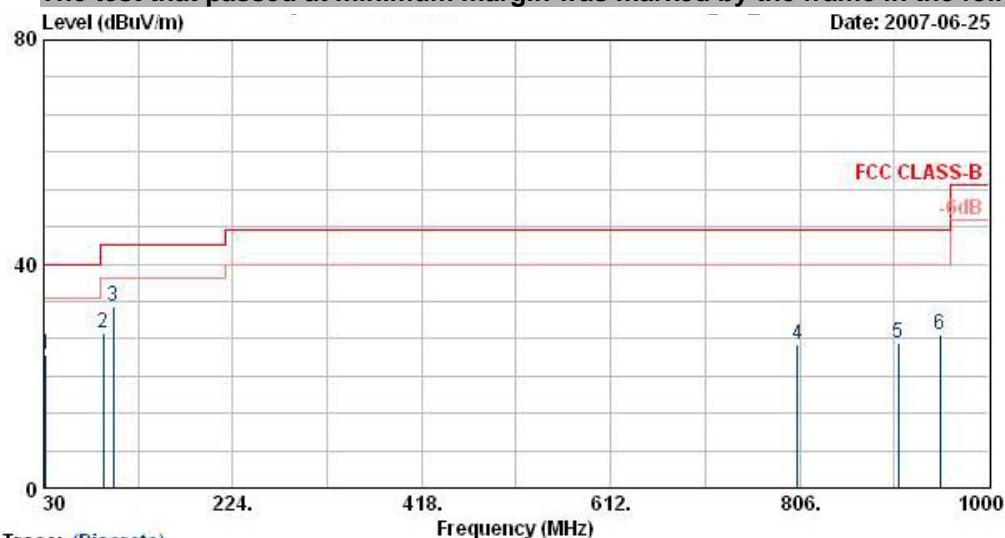
	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	Level	Factor	Loss	Factor	Pos	Pos
					dBuV	dB/m	dB	dB	cm	deg
1	2368.00	51.01	-22.99	74.00	52.48	30.24	3.73	35.44	100	0 Peak
2	2368.00	37.86	-16.14	54.00	39.32	30.24	3.73	35.44	110	96 Average
3 @	2437.00	97.74			99.15	30.27	3.79	35.47	100	0 Peak
4 @	2437.00	54.00			55.38	30.28	3.82	35.47	110	96 Average
5	2500.00	49.04	-24.96	74.00	50.39	30.30	3.88	35.53	100	0 Peak
6	2500.00	37.77	-16.23	54.00	39.12	30.30	3.88	35.53	110	96 Average
7	4874.00	48.11	-25.89	74.00	45.25	33.14	5.88	36.16	100	0 Peak
8	4874.00	41.32	-12.68	54.00	38.46	33.14	5.88	36.16	100	340 Average
9	7446.00	56.70	-17.30	74.00	46.32	38.79	7.65	36.05	---	--- Peak
10 @	7446.00	45.18	-8.82	54.00	34.80	38.79	7.65	36.05	100	227 Average
11	9747.00	40.00	-34.00	74.00	77.31	-9.85	9.15	36.61	---	--- 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.**



Trace: (Discrete)

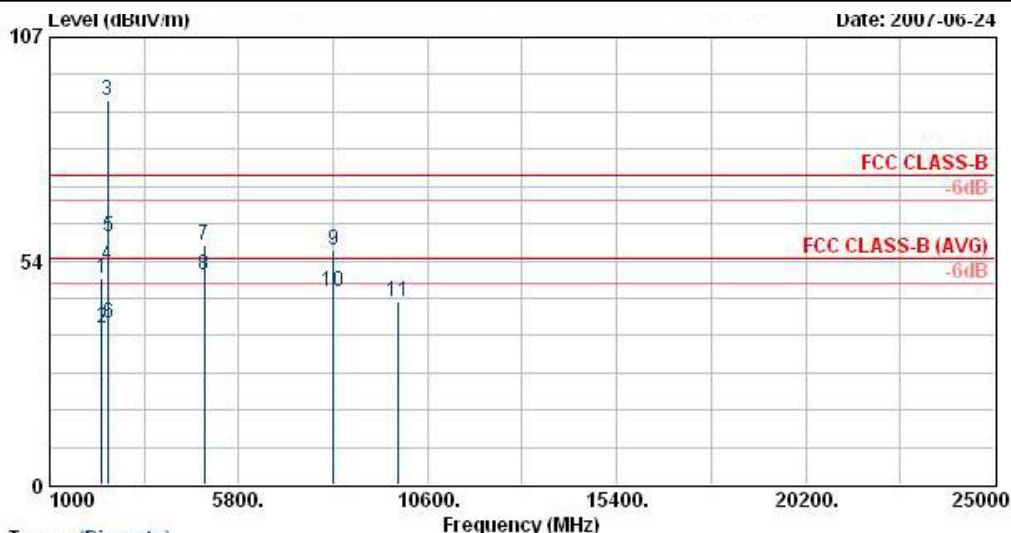
Site : 03CH06-HY  
 Condition : LF-ANT(951121) HORIZONTAL  
 EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
 : (802.11b/g and Bluetooth)  
 Power : 120Vac/60Hz  
 Model : FR 761417  
 Memo : WLAN 11g Tx\_Ch11;2462MHz  
 Plane : E1  
 Data Rate : 54

	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	31.89	23.89	-16.11	40.00	36.38	18.25	0.65	31.39	---	---	Peak
2	91.29	27.70	-15.80	43.50	48.56	9.23	1.04	31.12	---	---	Peak
3 @	101.28	32.53	-10.97	43.50	51.55	11.07	1.07	31.15	100	354	Peak
4	803.30	25.56	-20.44	46.00	32.78	19.84	3.42	30.49	---	---	Peak
5	906.90	25.88	-20.12	46.00	31.83	20.58	3.83	30.36	---	---	Peak
6	950.30	27.29	-18.71	46.00	32.76	20.89	3.92	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HY  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch11;2462MHz  
Plane : E1  
Data Rate : 54

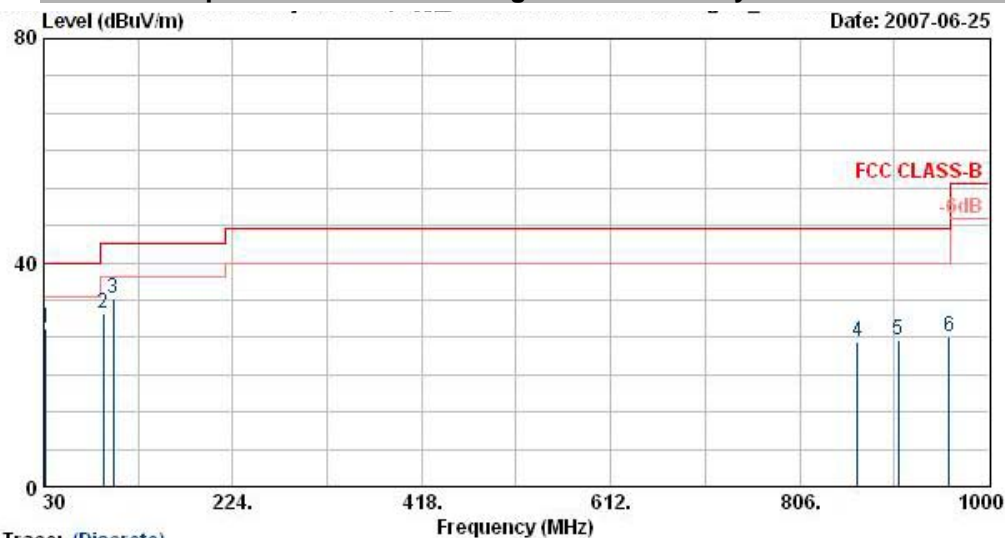
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2314.00	49.35	-24.65	74.00	50.86	30.22	3.66	35.40	100	0	Peak
2	2314.00	37.49	-16.51	54.00	39.00	30.22	3.66	35.40	100	30	Average
3 @	2462.00	92.05			93.42	30.29	3.84	35.49	100	0	Peak
4 @	2462.00	52.47			53.84	30.29	3.84	35.49	100	30	Average
5	2483.81	59.17	-14.83	74.00	60.53	30.29	3.86	35.51	100	0	Peak
6	2483.81	38.54	-15.46	54.00	39.90	30.29	3.86	35.51	100	30	Average
7	4924.00	57.23	-16.77	74.00	54.18	33.34	5.92	36.21	100	0	Peak
8 @	4924.00	50.22	-3.78	54.00	47.17	33.34	5.92	36.21	130	206	Average
9	8196.00	55.94	-18.06	74.00	44.42	39.45	8.02	35.96	---	---	Peak
10 @	8196.00	46.01	-7.99	54.00	34.50	39.45	8.02	35.96	100	299	Average
11	9846.00	43.71	-30.29	74.00	80.70	-9.63	9.18	36.54	---	---	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.



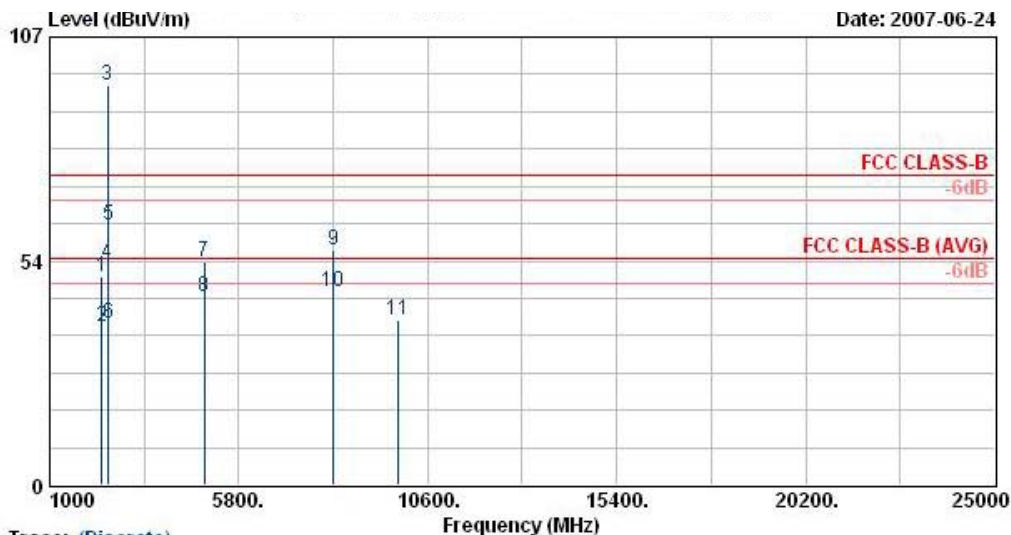
Site : 03CH06-HY  
Condition : LF-ANT(951121) VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch11;2462MHz  
Plane : E1  
Data Rate : 54

	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	31.89	28.36	-11.64	40.00	40.85	18.25	0.65	31.39	---	---	Peak
2	91.29	31.00	-12.50	43.50	51.86	9.23	1.04	31.12	---	---	Peak
3 @	101.28	33.74	-9.76	43.50	52.76	11.07	1.07	31.15	100	206	Peak
4	864.90	25.94	-20.06	46.00	32.39	20.28	3.68	30.41	---	---	Peak
5	906.90	26.12	-19.88	46.00	32.06	20.58	3.83	30.36	---	---	Peak
6	959.40	26.86	-19.14	46.00	32.25	20.95	3.94	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HY  
Condition : SHF-EHF HORN VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : WLAN 11g Tx\_Ch11;2462MHz  
Plane : E1  
Data Rate : 54

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2328.00	49.77	-24.23	74.00	51.26	30.23	3.69	35.40	100	0	Peak
2	2328.00	37.69	-16.31	54.00	39.18	30.23	3.69	35.40	100	145	Average
3 @	2462.00	95.32			96.69	30.29	3.84	35.49	100	0	Peak
4 @	2462.00	52.99			54.36	30.29	3.84	35.49	100	145	Average
5	2483.50	61.99	-12.01	74.00	63.35	30.29	3.86	35.51	100	0	Peak
6	2483.50	38.65	-15.35	54.00	40.01	30.29	3.86	35.51	100	145	Average
7	4924.00	53.17	-20.83	74.00	50.13	33.34	5.92	36.21	100	0	Peak
8 @	4924.00	44.98	-9.02	54.00	41.93	33.34	5.92	36.21	100	263	Average
9	8196.00	56.27	-17.73	74.00	44.75	39.45	8.02	35.96	---	---	Peak
10 @	8196.00	46.11	-7.89	54.00	34.60	39.45	8.02	35.96	100	205	Average
11	9846.00	39.29	-34.71	74.00	76.27	-9.63	9.18	36.54	---	---	Peak

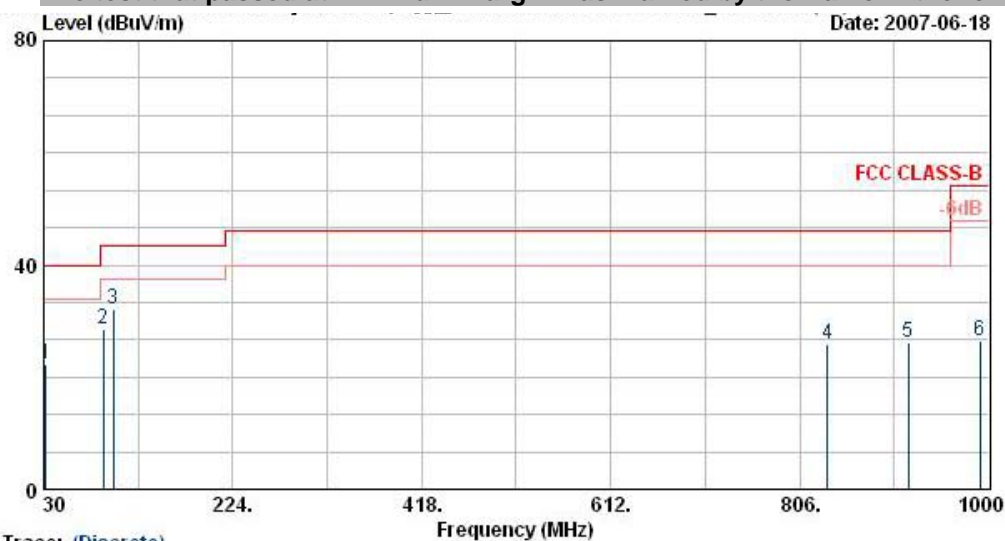
Remark: #3 and #4 Fundamental Signal





- Test Mode : Mode 7
- Polarization : Horizontal

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

**Trace: (Discrete)**

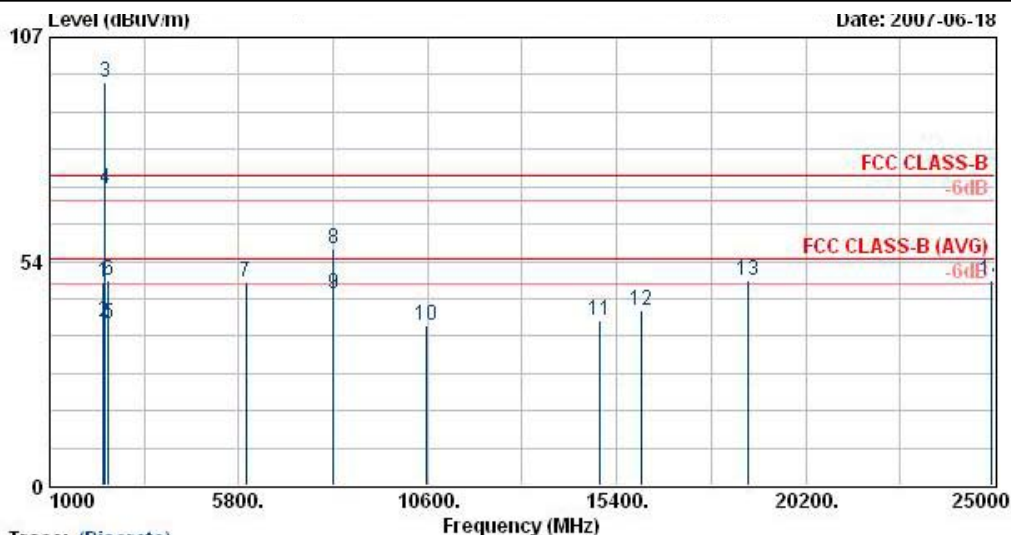
Site : 03CH06-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00; 2402MHz  
Plane : E2  
Data Rate : DHI

	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	31.89	22.21	-17.79	40.00	34.71	18.25	0.65	31.39	---	---	Peak
2	91.29	28.56	-14.94	43.50	49.42	9.23	1.04	31.12	---	---	Peak
3 @	101.28	32.04	-11.46	43.50	51.05	11.07	1.07	31.15	100	265	Peak
4	834.80	25.94	-20.06	46.00	32.77	20.07	3.55	30.45	---	---	Peak
5	917.40	26.14	-19.86	46.00	31.97	20.65	3.85	30.34	---	---	Peak
6	990.90	26.48	-27.52	54.00	31.57	21.18	4.00	30.27	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Trace: (Discrete)

Site : 03CH06-HY  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00; 2402MHz  
Plane : E2  
Data Rate : DHI

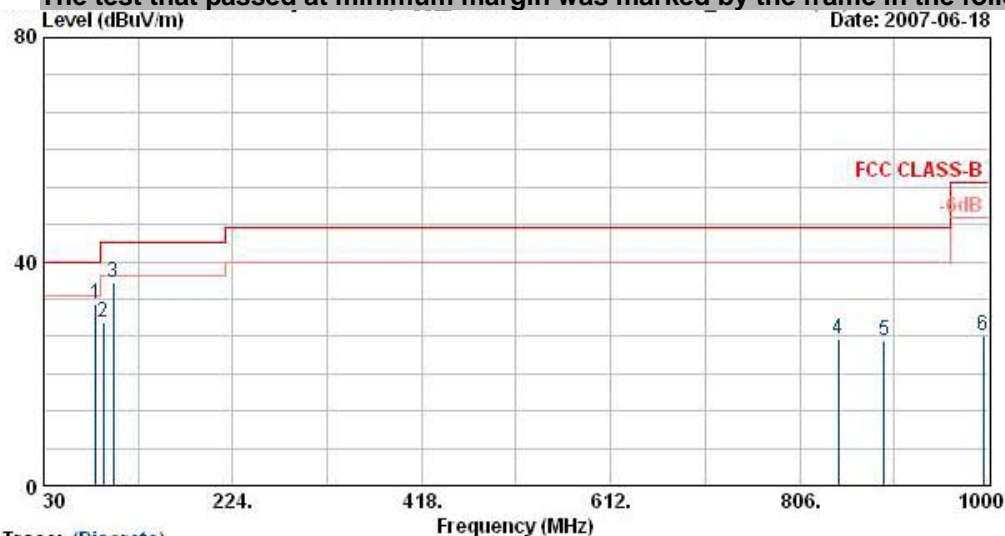
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2367.76	48.67	-25.33	74.00	50.14	30.24	3.71	35.42	100	0	Peak
2	2367.76	38.94	-15.06	54.00	40.40	30.24	3.73	35.44	100	331	Average
3 @	2402.00	96.13			97.55	30.27	3.77	35.46	100	0	Peak
4 @	2402.00	70.62			72.05	30.26	3.77	35.46	100	331	Average
5	2488.00	38.64	-15.36	54.00	39.99	30.30	3.86	35.51	100	331	Average
6	2488.00	48.84	-25.16	74.00	50.19	30.30	3.86	35.51	100	0	Peak
7	5991.00	48.65	-25.35	74.00	43.29	34.10	6.94	35.68	---	---	Peak
8	8202.00	56.61	-17.39	74.00	45.11	39.43	8.02	35.96	---	---	Peak
9 @	8202.00	45.60	-8.40	54.00	34.10	39.43	8.02	35.96	100	229	Average
10	10581.00	37.99	-36.01	74.00	73.41	-8.47	9.55	36.50	---	---	Peak
11	14982.00	39.51	-34.49	74.00	70.47	-6.22	11.27	36.01	---	---	Peak
12	16017.00	41.74	-32.26	74.00	70.24	-4.15	11.77	36.13	---	---	Peak
13	18717.00	48.93	-25.07	74.00	44.71	21.28	18.79	35.85	---	---	Peak
14	24896.00	49.00	-25.00	74.00	46.92	21.91	18.75	38.57	---	---	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.**



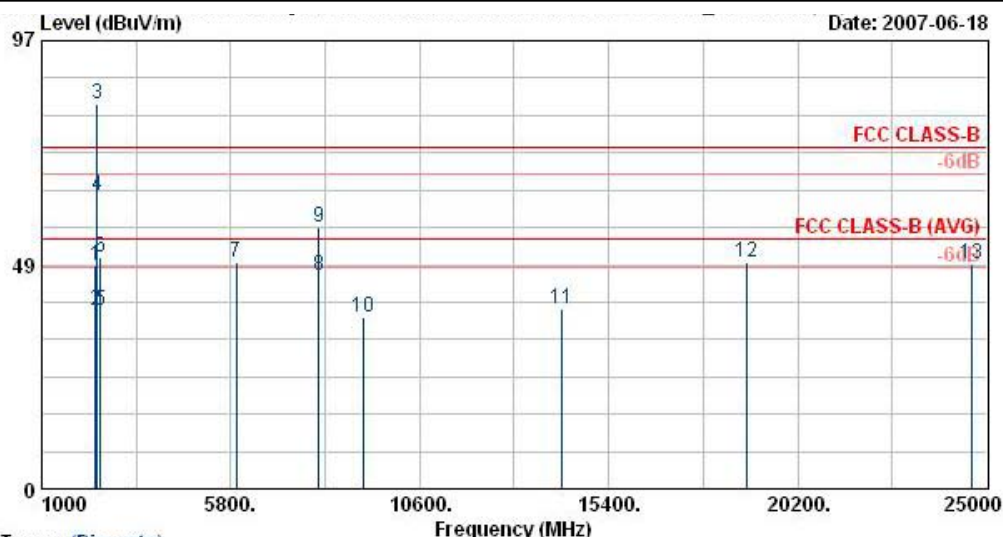
Site : 03CH06-HY  
 Condition : LF-ANT(951121) VERTICAL  
 EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
 (802.11b/g and Bluetooth)  
 Power : 120Vac/60Hz  
 Model : FR 761417  
 Memo : BT Tx\_Ch00;2402MHz  
 Plane : E2  
 Data Rate : DH1

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamplifier	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1 @	83.73	32.32	-7.68	40.00	54.45	7.97	0.99	31.10	---	---	Peak
2	91.29	29.01	-14.49	43.50	49.87	9.23	1.04	31.12	---	---	Peak
<b>3 @</b>	<b>101.28</b>	<b>36.15</b>	<b>-7.35</b>	<b>43.50</b>	<b>55.16</b>	<b>11.07</b>	<b>1.07</b>	<b>31.15</b>	<b>100</b>	<b>304</b>	<b>Peak</b>
4	845.30	26.07	-19.93	46.00	32.77	20.14	3.60	30.44	---	---	Peak
5	892.90	26.01	-19.99	46.00	32.11	20.48	3.79	30.38	---	---	Peak
6	994.40	26.85	-27.15	54.00	31.92	21.20	4.01	30.27	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Trace: (Discrete)

Site : 03CH06-HY  
Condition : SHF-EHF HORN VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00;2402MHz  
Plane : E2  
Data Rate : DHI

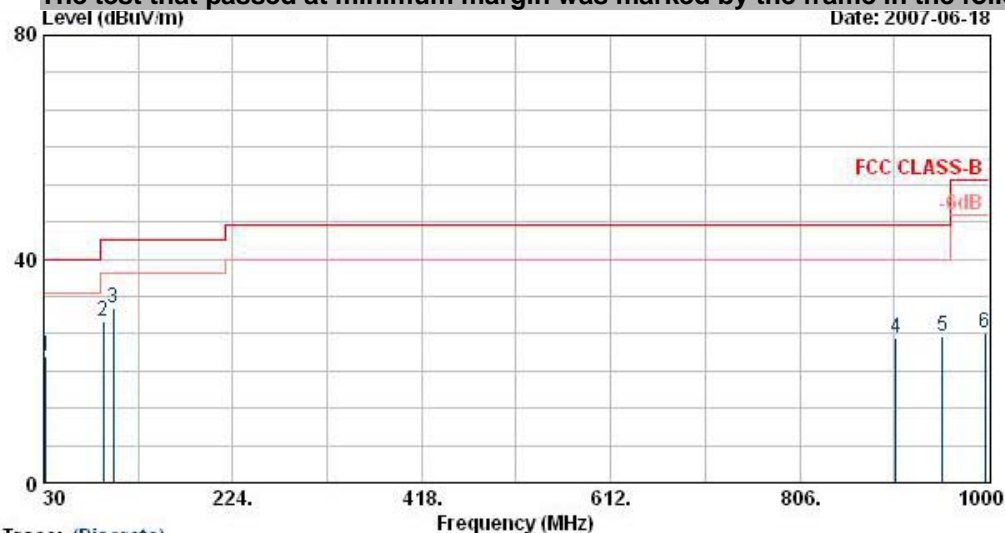
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2365.76	48.26	-25.74	74.00	49.72	30.24	3.73	35.44	100	0	Peak
2	2365.76	38.58	-15.42	54.00	40.04	30.24	3.73	35.44	100	278	Average
3 @	2402.00	83.16			84.57	30.27	3.77	35.46	100	0	Peak
4 @	2402.00	63.61			65.04	30.26	3.77	35.46	100	278	Average
5	2498.00	38.75	-15.25	54.00	40.10	30.30	3.88	35.53	100	278	Average
6	2498.00	49.98	-24.02	74.00	51.33	30.30	3.88	35.53	100	0	Peak
7	5946.00	48.88	-25.12	74.00	43.61	34.05	6.93	35.71	---	---	Peak
8 @	8037.00	46.13	-7.87	54.00	34.60	39.57	7.83	35.87	100	247	Average
9	8037.00	56.65	-17.35	74.00	45.12	39.57	7.83	35.87	---	---	Peak
10	9177.00	37.30	-36.70	74.00	75.13	-10.40	9.13	36.56	---	---	Peak
11	14211.00	38.87	-35.13	74.00	68.44	-6.31	11.67	34.94	---	---	Peak
12	18906.00	49.03	-24.97	74.00	44.77	21.70	18.34	35.78	---	---	Peak
13	24628.00	48.55	-25.45	74.00	46.20	21.85	19.30	38.79	---	---	Peak

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.



Trace: (Discrete)

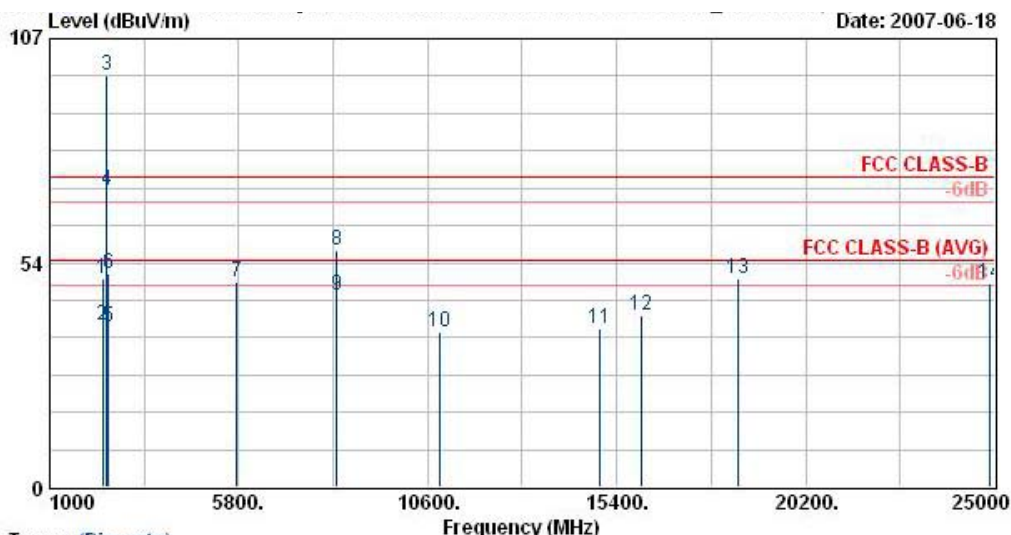
Site : 03CH06-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch39;2441MHz  
Plane : E2  
Data Rate : DHI

	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	32.43	22.73	-17.27	40.00	35.89	17.54	0.66	31.36	---	---	Peak
2	91.29	28.81	-14.69	43.50	49.67	9.23	1.04	31.12	---	---	Peak
3 @	101.28	31.34	-12.16	43.50	50.36	11.07	1.07	31.15	100	297	Peak
4	904.80	25.81	-20.19	46.00	31.77	20.56	3.83	30.36	---	---	Peak
5	952.40	26.03	-19.97	46.00	31.48	20.90	3.92	30.28	---	---	Peak
6	995.80	26.90	-27.10	54.00	31.94	21.21	4.01	30.27	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HY  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch39;2441MHz  
Plane : E2  
Data Rate : DHI

	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	2344.00	49.70	-24.30	74.00	51.17	30.24	3.71	35.42	100	0	Peak
2	2344.00	38.40	-15.60	54.00	39.88	30.24	3.71	35.42	100	330	Average
3 @	2441.00	98.32			99.70	30.28	3.82	35.47	100	0	Peak
4 @	2441.00	70.74			72.14	30.28	3.82	35.49	100	330	Average
5	2498.00	38.33	-15.67	54.00	39.68	30.30	3.88	35.53	100	330	Average
6	2498.00	51.05	-22.95	74.00	52.39	30.30	3.88	35.53	100	0	Peak
7	5742.00	48.96	-25.04	74.00	44.06	33.84	6.91	35.85	---	---	Peak
8	8286.00	56.53	-17.47	74.00	45.08	39.37	8.10	36.01	---	---	Peak
9 @	8286.00	45.66	-8.34	54.00	34.20	39.37	8.10	36.01	100	206	Average
10	10911.00	36.81	-37.19	74.00	71.41	-8.34	9.81	36.08	---	---	Peak
11	14952.00	37.95	-36.05	74.00	68.86	-6.24	11.31	35.98	---	---	Peak
12	16017.00	40.78	-33.22	74.00	69.28	-4.15	11.77	36.13	---	---	Peak
13	18477.00	49.56	-24.44	74.00	45.21	21.19	19.12	35.96	---	---	Peak
14	24856.00	48.72	-25.28	74.00	46.56	21.94	18.80	38.59	---	---	Peak

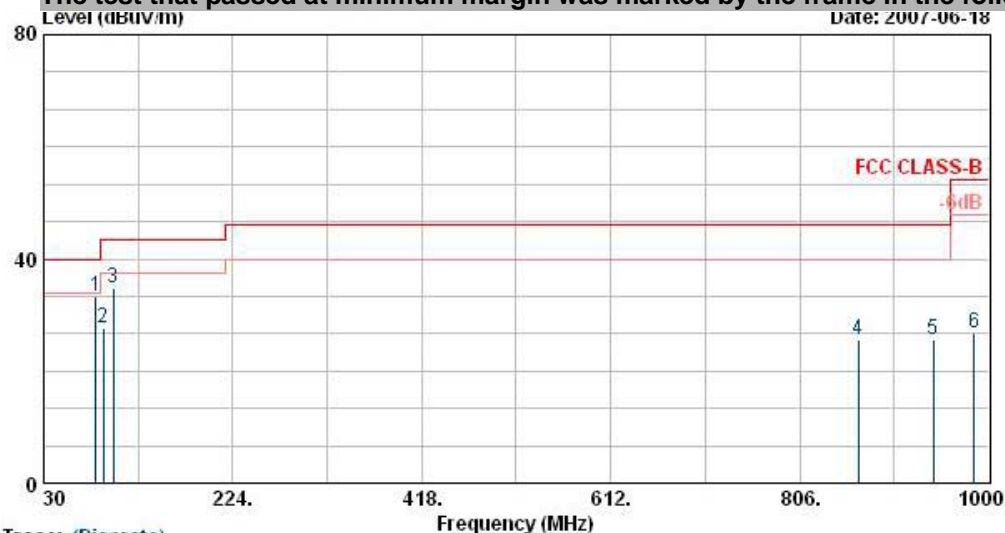
Remark: #3 and #4 Fundamental Signal





- Polarization : Vertical

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



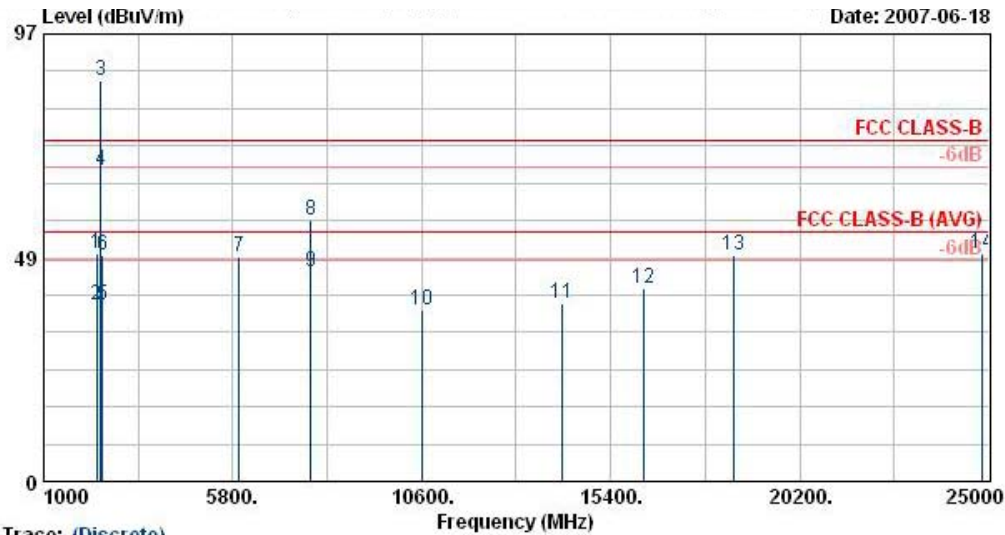
Site : 03CH08-HY  
Condition : LF-ANT(951121) VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch39;2441MHz  
Plane : E2  
Data Rate : DH1

	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 @	83.73	33.42	-6.58	40.00	55.56	7.97	0.99	31.10	100	177
2	91.29	27.63	-15.87	43.50	48.48	9.23	1.04	31.12	---	---
3 @	101.28	34.74	-8.76	43.50	53.75	11.07	1.07	31.15	---	---
4	866.30	25.47	-20.53	46.00	31.91	20.29	3.68	30.41	---	---
5	943.30	25.65	-20.35	46.00	31.19	20.84	3.91	30.29	---	---
6	985.30	26.84	-27.16	54.00	31.99	21.14	3.99	30.27	---	---



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HY  
Condition : SHF-EHF HORN VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch39;2441MHz  
Plane : E2  
Data Rate : DHI

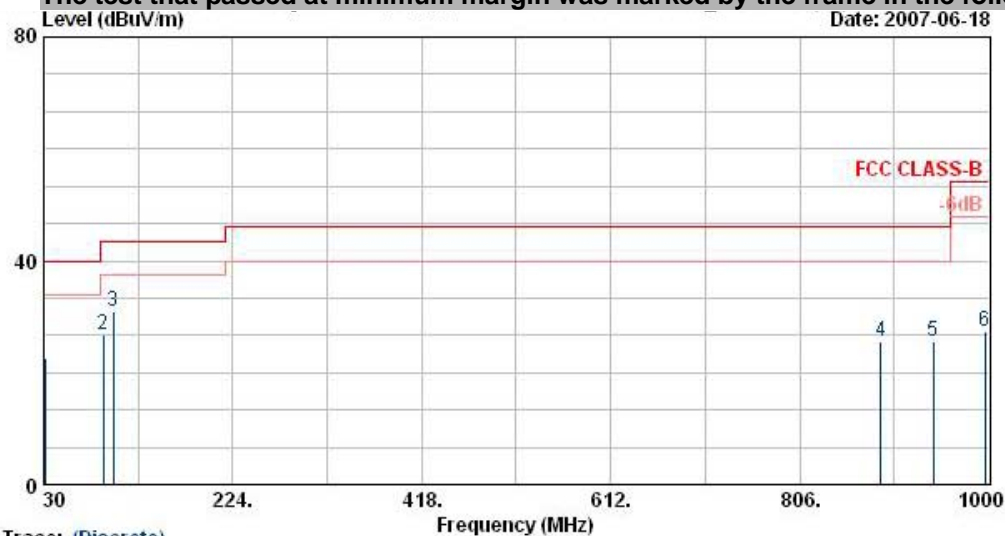
	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Ant Pos	Table Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2344.00	49.56	-24.44	74.00	51.04	30.24	3.71	35.42	100	0	Peak
2	2344.00	38.28	-15.72	54.00	39.76	30.24	3.71	35.42	109	360	Average
3 @	2441.00	87.00			88.38	30.28	3.82	35.47	100	0	Peak
4 @	2441.00	67.47			68.87	30.28	3.82	35.49	109	360	Average
5	2488.00	38.25	-15.75	54.00	39.60	30.30	3.86	35.51	109	360	Average
6	2488.00	48.93	-25.07	74.00	50.28	30.30	3.86	35.51	100	0	Peak
7	5961.00	48.63	-25.37	74.00	43.33	34.07	6.93	35.70	---	---	Peak
8	7776.00	56.64	-17.36	74.00	45.57	39.30	7.71	35.94	---	---	Peak
9 @	7776.00	45.37	-8.63	54.00	34.30	39.30	7.71	35.94	100	229	Average
10	10611.00	36.97	-37.03	74.00	72.32	-8.46	9.58	36.47	---	---	Peak
11	14151.00	38.57	-35.43	74.00	68.00	-6.25	11.66	34.84	---	---	Peak
12	16221.00	41.83	-32.17	74.00	70.40	-6.63	11.82	33.76	---	---	Peak
13	18516.00	48.93	-25.07	74.00	44.36	21.19	19.30	35.92	---	---	Peak
14	24828.00	49.51	-24.49	74.00	47.21	22.02	18.91	38.64	---	---	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.**



Trace: (Discrete)

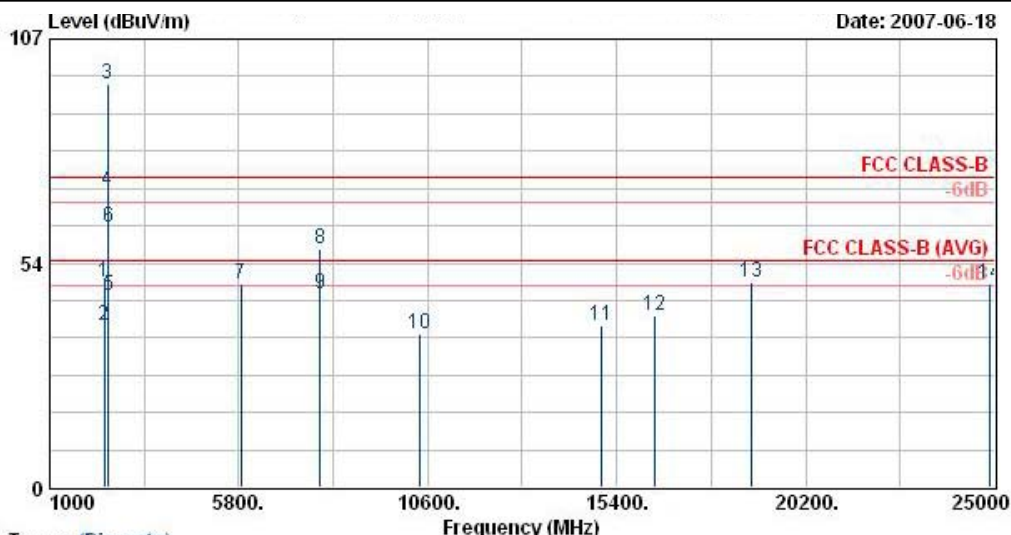
Site : 03CH06-HY  
 Condition : LF-ANT(951121) HORIZONTAL  
 EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
 : (802.11b/g and Bluetooth)  
 Power : 120Vac/60Hz  
 Model : FR 761417  
 Memo : BT Tx\_Ch78;2480MHz  
 Plane : E2  
 Data Rate : DHI

	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	31.08	22.53	-17.47	40.00	34.36	18.95	0.64	31.43	---	---	Peak
2	91.29	26.81	-16.69	43.50	47.66	9.23	1.04	31.12	---	---	Peak
3 @	101.28	30.81	-12.69	43.50	49.82	11.07	1.07	31.15	100	299	Peak
4	889.40	25.45	-20.55	46.00	31.60	20.45	3.78	30.38	---	---	Peak
5	943.30	25.64	-20.36	46.00	31.18	20.84	3.91	30.29	---	---	Peak
6	995.80	27.27	-26.73	54.00	32.32	21.21	4.01	30.27	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



## Trace: (Discrete)

Site : 03CH06-HY  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch78;2480MHz  
Plane : E2  
Data Rate : DHI

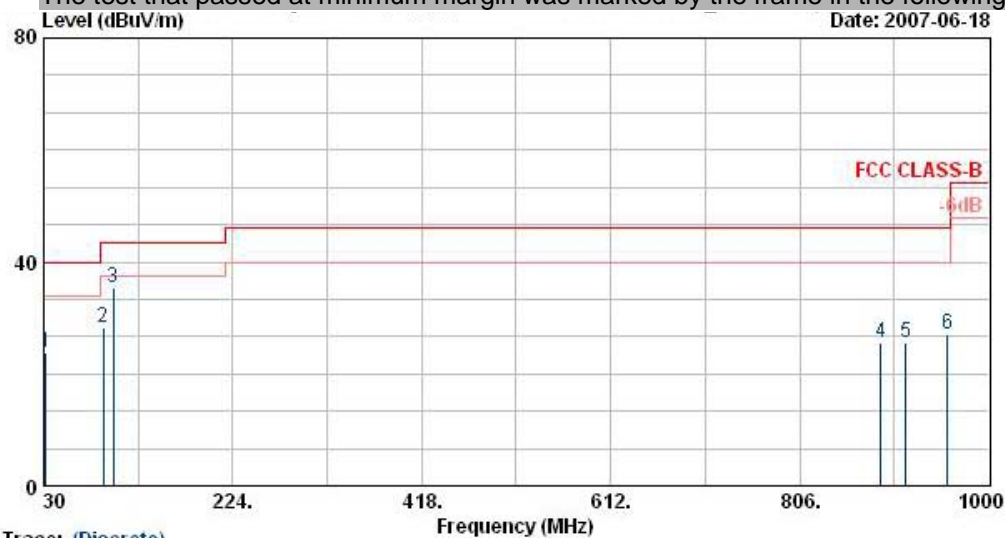
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2388.00	48.99	-25.01	74.00	50.42	30.26	3.75	35.44	100	0	Peak
2	2388.00	38.59	-15.41	54.00	40.02	30.26	3.75	35.44	100	332	Average
3 @	2480.00	96.12			97.48	30.29	3.86	35.51	100	0	Peak
4 @	2480.00	70.67			72.03	30.29	3.86	35.51	100	332	Average
5 @	2483.50	45.74	-8.26	54.00	47.10	30.29	3.86	35.51	100	332	Average
6 @	2483.50	61.89	-12.11	74.00	63.25	30.29	3.86	35.51	100	0	Peak
7	5862.00	48.61	-25.39	74.00	43.49	33.96	6.92	35.76	---	---	Peak
8	7866.00	56.88	-17.12	74.00	45.63	39.41	7.74	35.90	---	---	Peak
9 @	7866.00	45.95	-8.05	54.00	34.70	39.41	7.74	35.90	100	199	Average
10	10386.00	36.49	-37.51	74.00	72.34	-8.68	9.43	36.60	---	---	Peak
11	14997.00	38.54	-35.46	74.00	69.52	-6.20	11.25	36.03	---	---	Peak
12	16362.00	41.16	-32.84	74.00	69.96	-8.36	11.85	32.29	---	---	Peak
13	18807.00	48.77	-25.23	74.00	44.63	21.37	18.60	35.82	---	---	Peak
14	24856.00	48.69	-25.31	74.00	46.53	21.94	18.80	38.59	---	---	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)

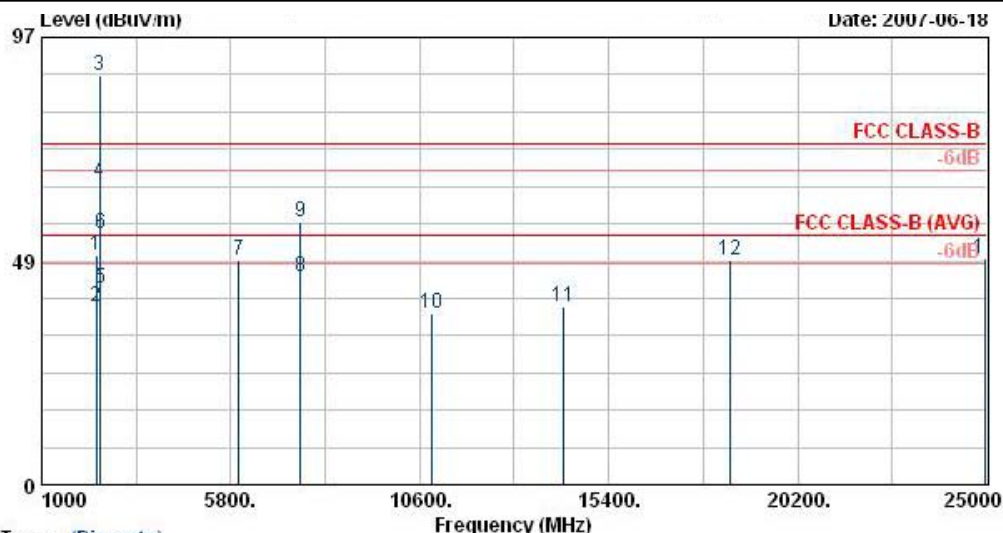
Site : 03CH06-HY  
Condition : LF-ANT(951121) VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch78;2460MHz  
Plane : E2  
Data Rate : DHI

	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	32.43	23.89	-16.11	40.00	37.05	17.54	0.66	31.36	---	---	Peak
2	91.29	28.25	-15.25	43.50	49.10	9.23	1.04	31.12	---	---	Peak
3 @	101.28	35.29	-8.21	43.50	54.31	11.07	1.07	31.15	100	354	Peak
4	889.40	25.53	-20.47	46.00	31.69	20.45	3.78	30.38	---	---	Peak
5	915.30	25.56	-20.44	46.00	31.41	20.64	3.85	30.34	---	---	Peak
6	957.30	27.00	-19.00	46.00	32.41	20.94	3.93	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



## Trace: (Discrete)

Site : 03CH06-HY  
Condition : SHF-EHF HORN VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch78; 2460MHz  
Plane : E2  
Data Rate : DHI

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Pos	Pos	
									cm	deg	
1	2388.00	49.63	-24.37	74.00	51.06	30.26	3.75	35.44	100	0	Peak
2	2388.00	38.49	-15.51	54.00	39.92	30.26	3.75	35.44	100	360	Average
3 @	2480.00	88.71			90.07	30.29	3.86	35.51	100	0	Peak
4 @	2480.00	65.46			66.82	30.29	3.86	35.51	100	360	Average
5 @	2483.50	42.38	-11.62	54.00	43.74	30.29	3.86	35.51	100	360	Average
6	2483.50	54.36	-19.64	74.00	55.72	30.29	3.86	35.51	100	0	Peak
7	5997.00	48.75	-25.25	74.00	43.39	34.10	6.94	35.68	---	---	Peak
8 @	7566.00	45.20	-8.80	54.00	34.60	38.99	7.64	36.04	100	225	Average
9	7566.00	56.96	-17.04	74.00	46.37	38.99	7.64	36.04	---	---	Peak
10	10917.00	37.02	-36.98	74.00	71.62	-8.33	9.81	36.08	---	---	Peak
11	14241.00	38.53	-35.47	74.00	68.18	-6.34	11.68	34.99	---	---	Peak
12	18486.00	48.86	-25.14	74.00	44.25	21.19	19.36	35.94	---	---	Peak
13	24968.00	49.12	-24.88	74.00	47.25	21.79	18.58	38.51	---	---	Peak

Remark: #3 and #4 Fundamental Signal



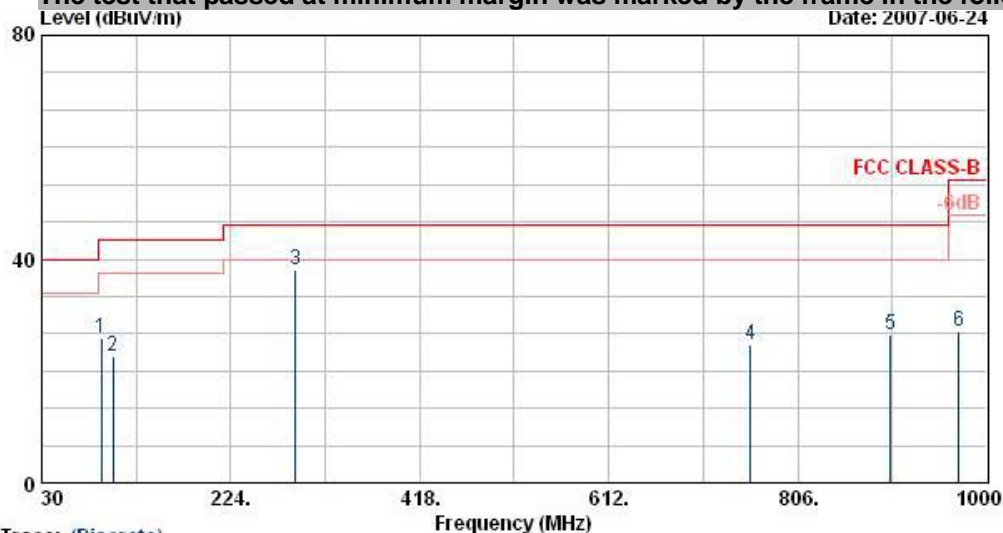


# FCC TEST REPORT

Report No. : FR761417

- Test Mode : Mode 10
- Polarization : Horizontal

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



Trace: (Discrete)

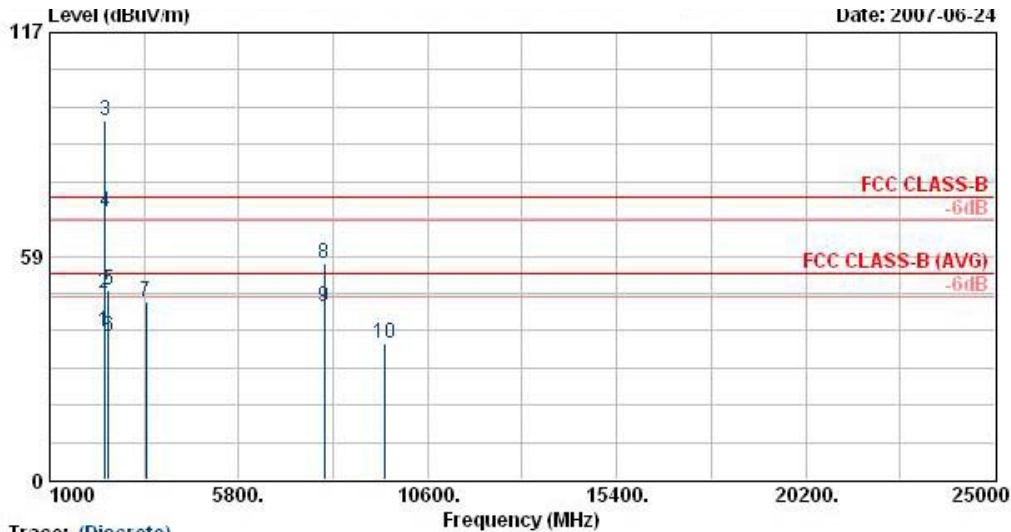
Site : 03CH06-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00;2402MHz  
Plane : E2  
Data Rate : 2-DH1

	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	91.29	25.94	-17.56	43.50	46.80	9.23	1.04	31.12	---	---	Peak
2	103.44	22.63	-20.87	43.50	41.38	11.29	1.08	31.12	---	---	Peak
3	290.28	37.93	-8.07	46.00	53.96	13.03	1.90	30.96	100	0	Peak
4	757.80	24.54	-21.46	46.00	32.30	19.42	3.34	30.52	---	---	Peak
5	901.30	26.39	-19.61	46.00	32.40	20.54	3.82	30.37	---	---	Peak
6	971.30	26.97	-27.03	54.00	32.25	21.03	3.96	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Site : 03CH06-HY  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00; 2402MHz  
Plane : E2  
Data Rate : 2-DH1

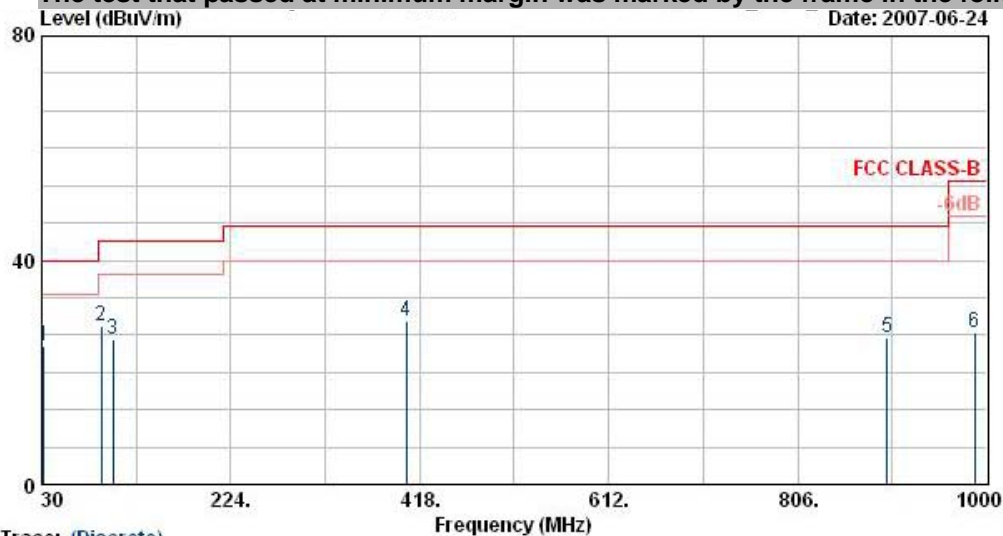
	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	Level	Factor	Loss	Factor	Pos	Pos	
					dBuV	dB/m	dB	dB	cm	deg	
1	2386.32	38.54	-15.46	54.00	39.97	30.26	3.75	35.44	100	150	Average
2	2386.32	48.80	-25.20	74.00	50.23	30.26	3.75	35.44	100	0	Peak
3 @	2402.00	93.85			95.27	30.26	3.77	35.46	100	0	Peak
4 @	2402.00	70.13			71.56	30.26	3.77	35.46	100	150	Average
5	2498.00	49.47	-24.53	74.00	50.82	30.30	3.88	35.53	100	0	Peak
6	2498.00	37.42	-16.58	54.00	38.77	30.30	3.88	35.53	100	150	Average
7	3441.00	46.53	-27.47	74.00	47.72	29.87	4.57	35.63	100	0	Peak
8	7977.00	56.45	-17.55	74.00	44.96	39.55	7.78	35.85	100	0	Peak
9	7977.00	45.30	-8.70	54.00	33.81	39.55	7.78	35.85	100	73	Average
10	9516.00	35.59	-38.41	74.00	73.63	-10.36	9.09	36.77	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)

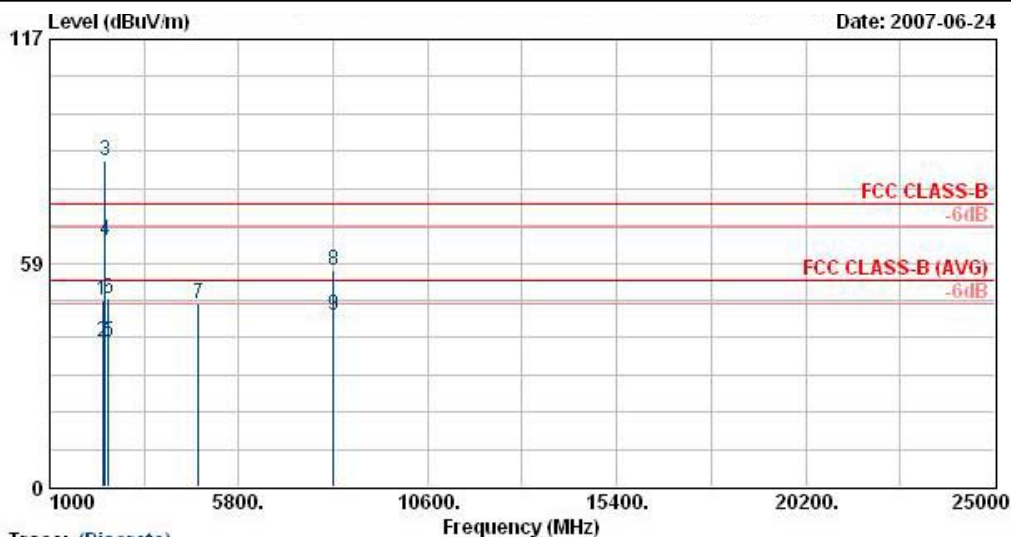
Site : 03CH06-HY  
 Condition : LF-ANT(951121) VERTICAL  
 EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
 (802.11b/g and Bluetooth)  
 Power : 120Vac/60Hz  
 Model : FR 761417  
 Memo : BT Tx\_Ch00; 2402MHz  
 Plane : E2  
 Data Rate : 2-DH1

	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	31.89	24.82	-15.18	40.00	37.32	18.25	0.65	31.39	---	---	Peak
2	91.29	28.38	-15.12	43.50	49.24	9.23	1.04	31.12	100	0	Peak
3	103.44	25.75	-17.75	43.50	44.50	11.29	1.08	31.12	---	---	Peak
4	404.30	29.26	-16.74	46.00	42.03	15.84	2.25	30.86	---	---	Peak
5	897.80	26.10	-19.90	46.00	32.14	20.52	3.81	30.37	---	---	Peak
6	987.40	27.08	-26.92	54.00	32.21	21.15	3.99	30.27	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	
			dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2345.36	48.79	-25.21	74.00	50.27	30.24	3.71	35.42	100	0 Peak
2	2345.36	37.87	-16.13	54.00	39.35	30.24	3.71	35.42	100	107 Average
3 @	2402.00	85.42			86.84	30.26	3.77	35.46	100	0 Peak
4 X	2402.00	64.15			65.58	30.26	3.77	35.46	100	107 Average
5	2484.00	37.77	-16.23	54.00	39.13	30.29	3.86	35.51	100	107 Average
6	2484.00	49.24	-24.76	74.00	50.60	30.29	3.86	35.51	100	0 Peak
7	4776.00	47.77	-26.23	74.00	45.29	32.75	5.81	36.07	100	0 Peak
8	8202.00	56.49	-17.51	74.00	44.99	39.43	8.02	35.96	100	0 Peak
9	8202.00	44.77	-9.23	54.00	33.27	39.43	8.02	35.96	100	218 Average

Remark: #3 and #4 Fundamental Signal

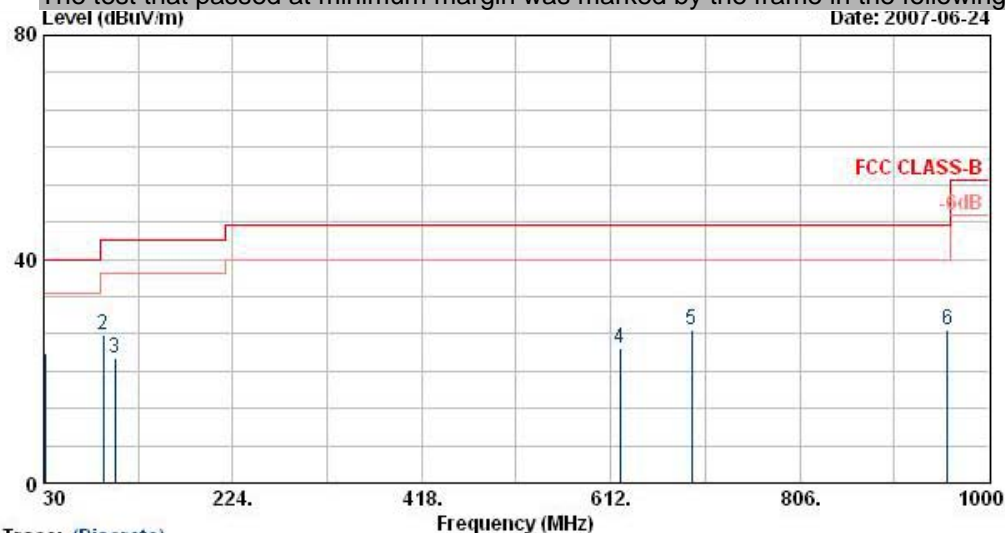


# FCC TEST REPORT

Report No. : FR761417

- Test Mode : Mode 13
- Polarization : Horizontal

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



Trace: (Discrete)

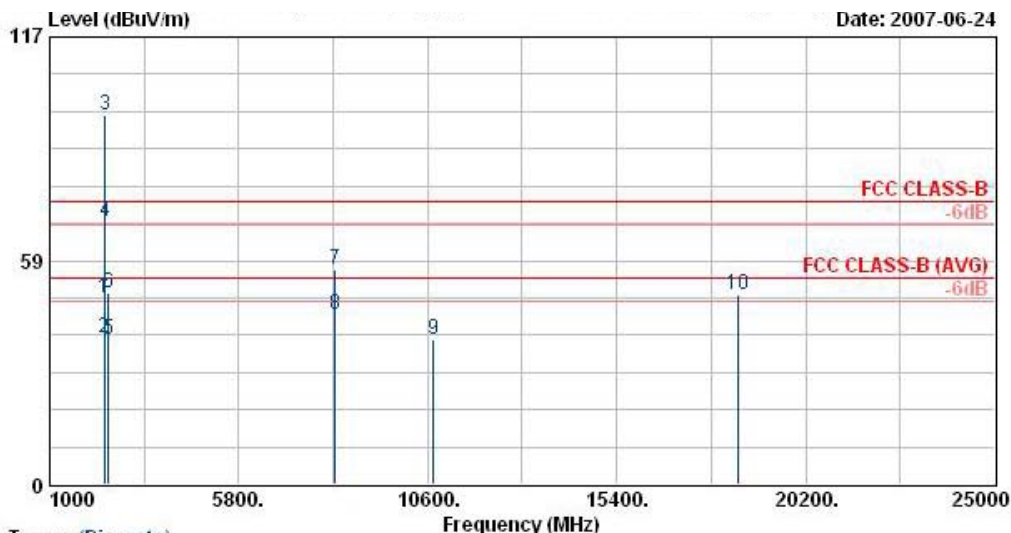
Site : 03CH06-HY  
Condition : LF-ANT(951121) HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00;2402MHz  
Plane : E2  
Data Rate : 3-DH1

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	
	MHz	dBuV/m	Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	31.08	23.07	-16.93	40.00	34.90	18.95	0.64	31.43	100	0	Peak
2	91.29	26.32	-17.18	43.50	47.18	9.23	1.04	31.12	---	---	Peak
3	103.44	22.18	-21.32	43.50	40.92	11.29	1.08	31.12	---	---	Peak
4	621.30	24.01	-21.99	46.00	33.09	18.56	3.02	30.66	---	---	Peak
5	694.80	27.46	-18.54	46.00	35.96	18.87	3.23	30.60	---	---	Peak
6	957.30	27.47	-18.53	46.00	32.88	20.94	3.93	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Trace: (Discrete)

Site : 03CH06-HY  
Condition : SHF-EHF HORN HORIZONTAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00; 2402MHz  
Plane : E2  
Data Rate : 3-DH1

	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg
1	2375.92	48.55	-25.45	74.00	50.01	30.25	3.73	35.44	100	0 Peak
2	2375.92	38.31	-15.69	54.00	39.77	30.25	3.73	35.44	100	150 Average
3 @	2402.00	96.70			98.12	30.26	3.77	35.46	100	0 Peak
4 @	2402.00	68.93			70.36	30.26	3.77	35.46	100	150 Average
5	2498.00	37.83	-16.17	54.00	39.18	30.30	3.88	35.53	100	150 Average
6	2498.00	49.84	-24.16	74.00	51.19	30.30	3.88	35.53	100	0 Peak
7	8241.00	56.08	-17.92	74.00	44.60	39.41	8.06	35.98	100	0 Peak
8	8241.00	44.33	-9.67	54.00	32.85	39.41	8.06	35.98	100	347 Average
9	10752.00	37.89	-36.11	74.00	72.92	-8.40	9.68	36.31	100	0 Peak
10	18477.00	49.39	-24.61	74.00	45.04	21.19	19.12	35.96	100	0 Peak

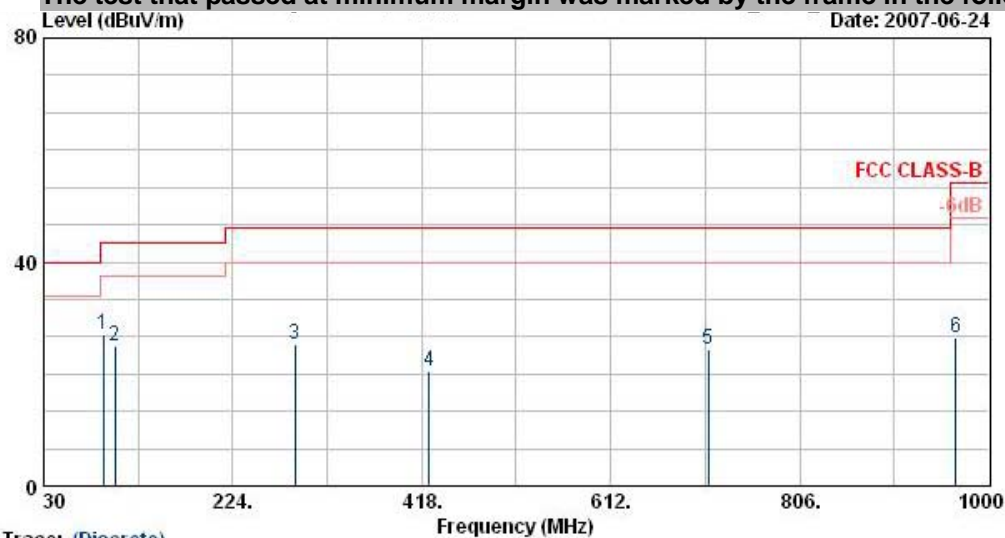
Remark: #3 and #4 Fundamental Signal





- Polarization : Vertical

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



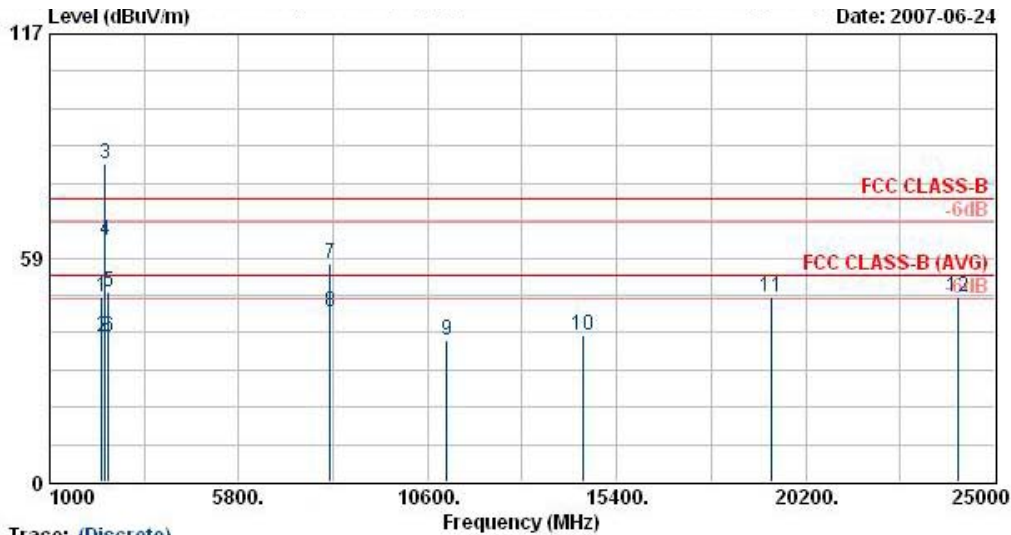
Site : 03CH06-HY  
Condition : LF-ANT(951121) VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00;2402MHz  
Plane : E2  
Data Rate : 3-DH1

	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	91.29	27.12	-16.38	43.50	47.98	9.23	1.04	31.12	100	0	Peak
2	103.44	24.94	-18.56	43.50	43.69	11.29	1.08	31.12	---	---	Peak
3	287.58	25.27	-20.73	46.00	41.35	12.99	1.89	30.96	---	---	Peak
4	425.30	20.59	-25.41	46.00	32.92	16.19	2.32	30.84	---	---	Peak
5	712.30	24.33	-21.67	46.00	32.64	19.00	3.27	30.58	---	---	Peak
6	966.40	26.50	-27.50	54.00	31.83	21.00	3.95	30.28	---	---	Peak



# FCC TEST REPORT

Report No. : FR761417



Trace: (Discrete)

Site : 03CH06-HV  
Condition : SHF-EHF HORN VERTICAL  
EUT : GSM/EDGE 850/900/1800/1900 Mobile Phone  
(802.11b/g and Bluetooth)  
Power : 120Vac/60Hz  
Model : FR 761417  
Memo : BT Tx\_Ch00;2402MHz  
Plane : E2  
Data Rate : 3-DH1

	Freq	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	cm	deg	
1	2328.56	48.23	-25.77	74.00	49.72	30.23	3.69	35.40	100	0	Peak
2	2328.56	37.84	-16.16	54.00	39.33	30.23	3.69	35.40	100	107	Average
3 @	2402.00	83.06			84.49	30.26	3.77	35.46	100	0	Peak
4 X	2402.00	62.86			64.29	30.26	3.77	35.46	100	107	Average
5	2498.00	49.37	-24.63	74.00	50.72	30.30	3.88	35.53	100	0	Peak
6	2498.00	37.78	-16.22	54.00	39.13	30.30	3.88	35.53	100	107	Average
7	8112.00	57.05	-16.95	74.00	45.54	39.52	7.91	35.91	100	0	Peak
8	8112.00	44.30	-9.70	54.00	32.78	39.52	7.91	35.91	100	46	Average
9	11082.00	36.77	-37.23	74.00	71.70	-8.86	9.94	36.01	100	0	Peak
10	14556.00	38.27	-35.73	74.00	68.71	-6.55	11.69	35.57	100	0	Peak
11	19347.00	48.30	-25.70	74.00	44.82	21.85	17.30	35.67	100	0	Peak
12	24068.00	48.22	-25.78	74.00	46.47	21.92	18.07	38.23	100	0	Peak

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 Chips for both 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)
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, 2006	Oct. 04, 2007	Radiation (03CH06-HY)
EMI Test Receiver	R&S	ESCS30	100356	9KHz-2.75GHz	Jul. 13, 2007	Jul. 12, 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
<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 <math>U_c(y)</math></b>	<b>2.36</b>				
<b>Measuring uncertainty for a level of confidence of 95% <math>U = 2U_c(y)</math></b>	<b>4.72</b>				