



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

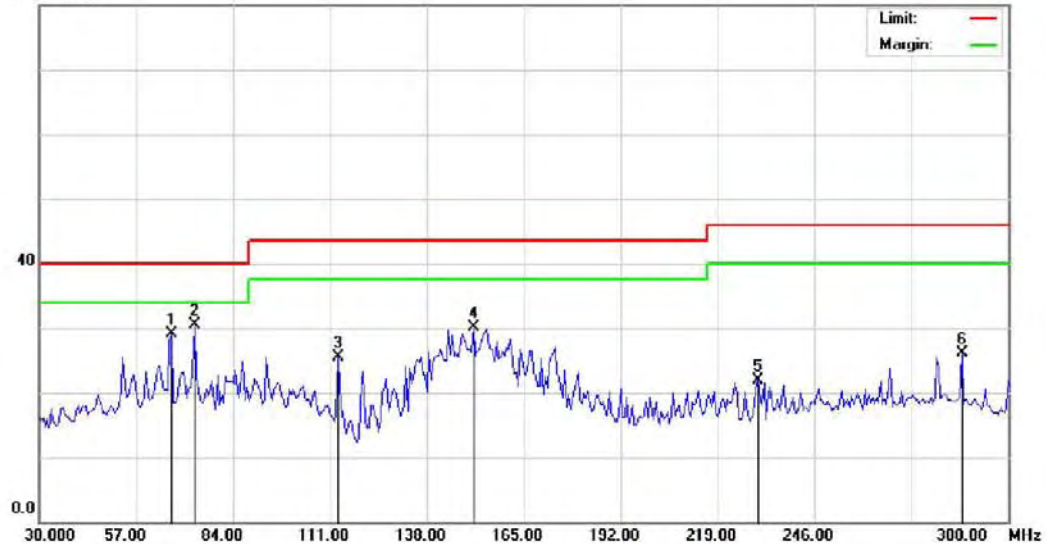
File :M619 (1G以下)(02-11-2007

Data :#7

Date: 2007/02/11

Time: 下午 17:39:24

80.0 dBuV



Site 966半電波暗室

Limit: FCC Class B 3M Radiation

EUT: PDA

M/N: M619

Mode: BT EDR

Note: CH:2441

Polarization: **Horizontal**

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		66.7198	44.29	-15.12	29.17	40.00	-10.83	peak	
2	*	73.2000	47.42	-16.95	30.47	40.00	-9.53	peak	
3		113.1598	38.50	-13.04	25.46	43.50	-18.04	peak	
4		150.9600	46.19	-15.99	30.20	43.50	-13.30	peak	
5		230.3400	33.84	-11.86	21.98	46.00	-24.02	peak	
6		287.0400	36.28	-10.19	26.09	46.00	-19.91	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (1G以下)(02-11-2007>Data :#7

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

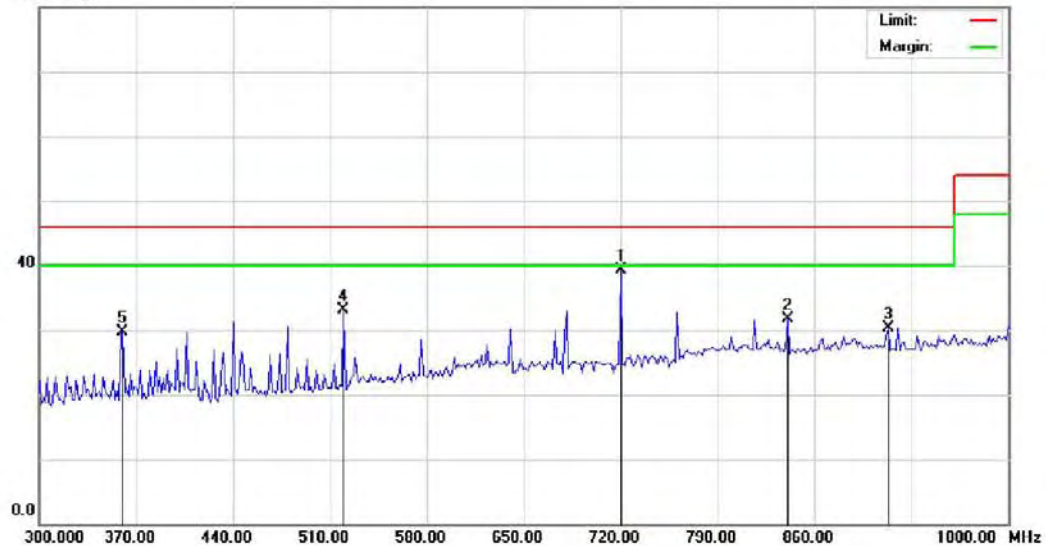
File :M619 (1G以下)(02-11-2007

Data :#8

Date: 2007/02/11

Time: 下午 17:41:26

80.0 dBuV



Site 966半電波暗室

Limit: FCC Class B 3M Radiation

EUT: PDA

M/N: M619

Mode: BT EDR

Note: CH:2441

Polarization: **Horizontal**

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	720.0000	42.88	-3.55	39.33	46.00	-6.67	peak	
2		840.3999	33.19	-1.41	31.78	46.00	-14.22	peak	
3		913.2000	30.56	-0.19	30.37	46.00	-15.63	peak	
4		519.7998	39.65	-6.57	33.08	46.00	-12.92	peak	
5		360.1999	38.64	-8.97	29.67	46.00	-16.33	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (1G以下)(02-11-2007>Data :#8

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

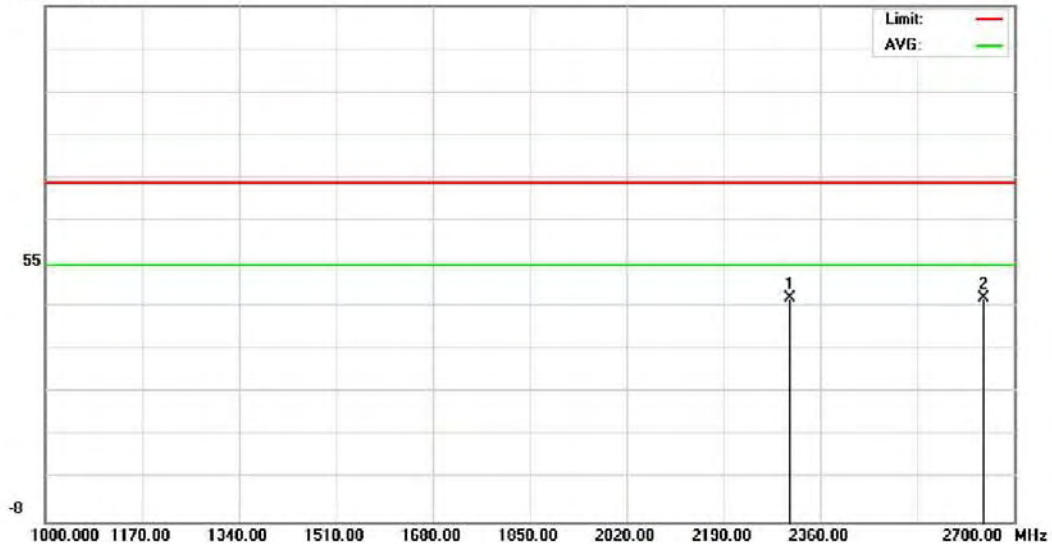
File :M619 (2441)(02-11-2007)E

Data :#1

Date: 2007/02/11

Time: 15:22:49

117.0 dBuV



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2441MHz

Polarization: **Vertical**

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2305.600	45.79	0.46	46.25	74.00	-27.75	peak	
2		2645.600	45.26	0.97	46.23	74.00	-27.77	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2441)(02-11-2007)EData :#1

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

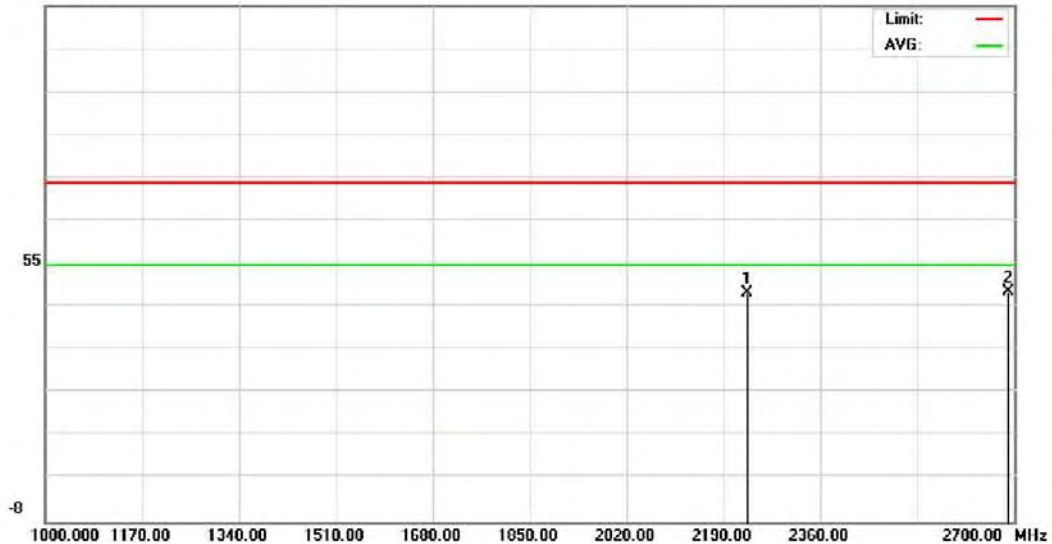
File :M619 (2441)(02-11-2007)E

Data :#3

Date: 2007/02/11

Time: 15:33:16

117.0 dBuV



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2441MHz

Polarization: **Horizontal**

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2230.800	47.08	0.46	47.54	74.00	-26.46	peak	
2	*	2689.800	46.80	1.03	47.83	74.00	-26.17	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2441)(02-11-2007)EData :#3

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

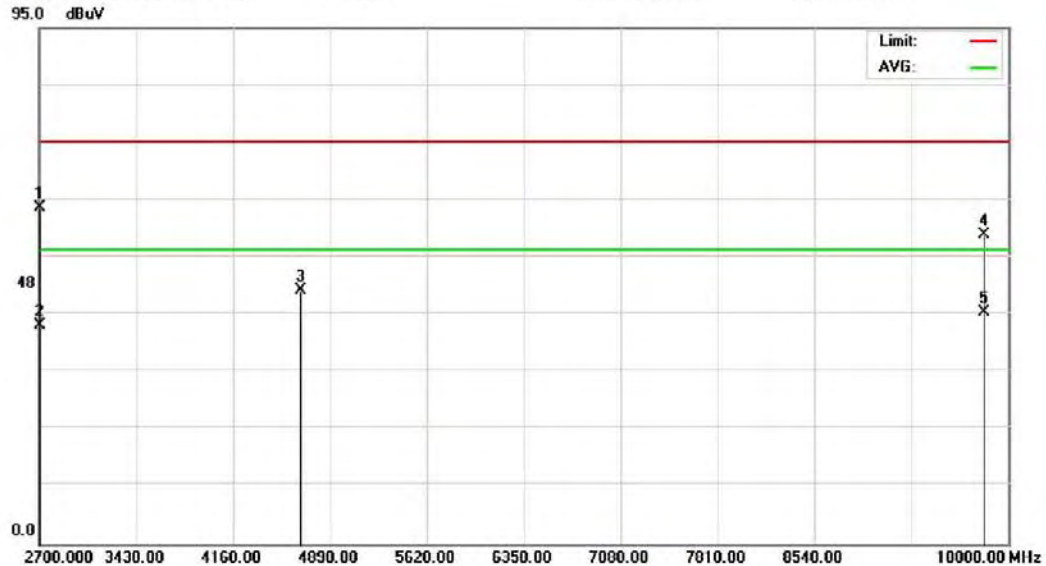
Radiated Emission Measurement

File :M619 (2441)(02-11-2007)E

Data :#5

Date: 2007/02/11

Time: 15:46:47



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2441MHz

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

Polarization: **Vertical**

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2700.000	39.29	22.58	61.87	74.00	-12.13	peak	
2		2700.000	17.70	22.58	40.28	54.00	-13.72	AVG	
3		4671.000	39.86	6.79	46.65	74.00	-27.35	peak	
4		9817.500	39.19	17.75	56.94	74.00	-17.06	peak	
5	*	9817.500	24.98	17.75	42.73	54.00	-11.27	AVG	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2441)(02-11-2007)EData :#5

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

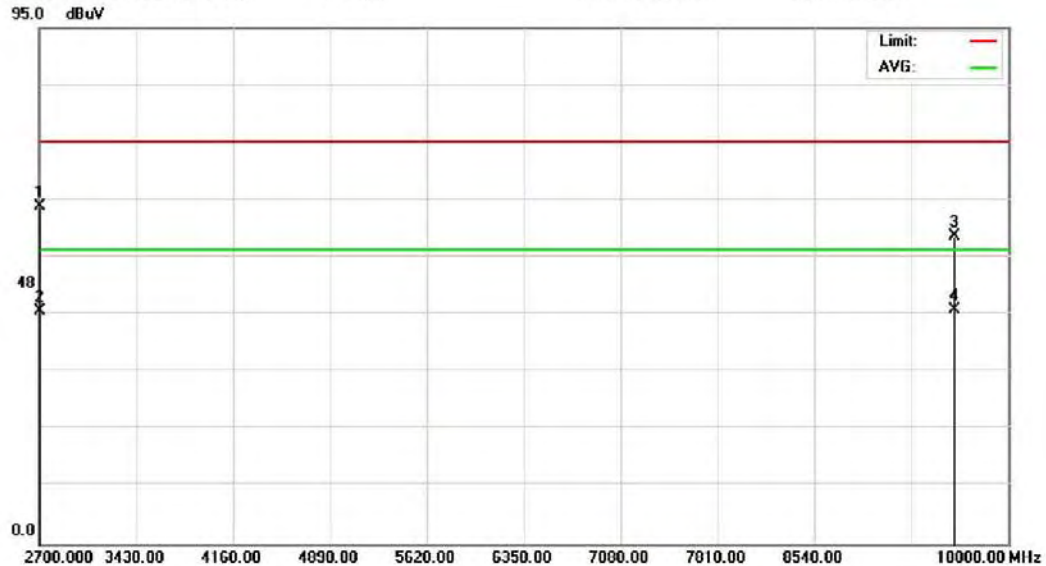
Radiated Emission Measurement

File :M619 (2441)(02-11-2007)E

Data :#7

Date: 2007/02/11

Time: 15:56:28



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2441MHz

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

Polarization: **Horizontal**

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2700.000	39.60	22.58	62.18	74.00	-11.82	peak	
2		2700.000	20.20	22.58	42.78	54.00	-11.22	AVG	
3		9598.500	39.18	17.41	56.59	74.00	-17.41	peak	
4	*	9598.500	25.74	17.41	43.15	54.00	-10.85	AVG	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2441)(02-11-2007)EData :#7

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

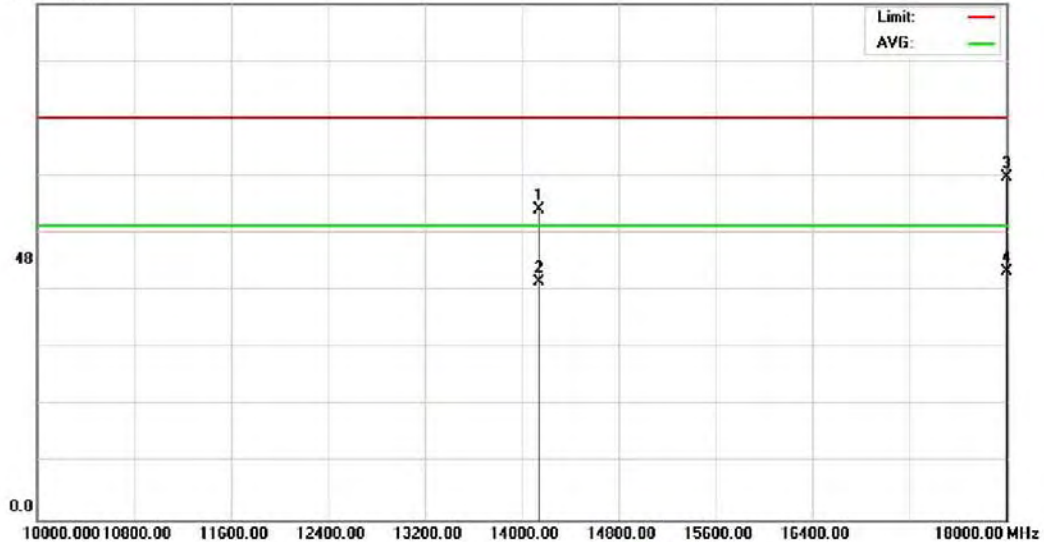
File :M619 (2441)(02-11-2007)E

Data :#9

Date: 2007/02/11

Time: 16:07:53

95.0 dBuV



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2441MHz

Polarization: **Vertical**

Power: AC 110V/60Hz

Distance: 1m

Temperature: 22 °C

Humidity: 60 %

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		14140.00	38.32	18.84	57.16	74.00	-16.84	peak	
2		14140.00	24.94	18.84	43.78	54.00	-10.22	AVG	
3		18000.00	37.51	25.57	63.08	74.00	-10.92	peak	
4	*	18000.00	20.26	25.57	45.83	54.00	-8.17	AVG	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2441)(02-11-2007)EData :#9

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

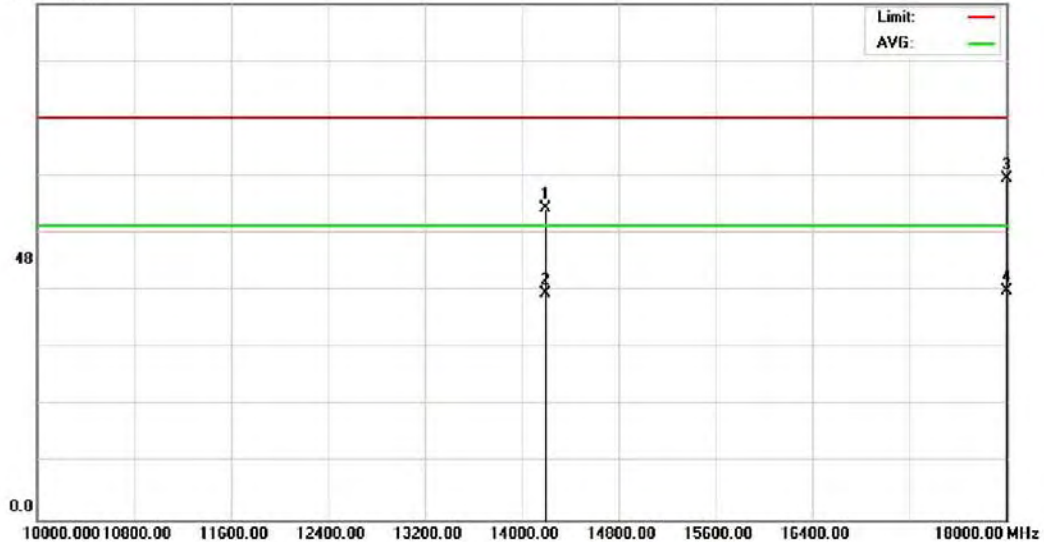
File :M619 (2441)(02-11-2007)E

Data :#11

Date: 2007/02/11

Time: 16:09:42

95.0 dBuV



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2441MHz

Polarization: **Horizontal**

Power: AC 110V/60Hz

Distance: 1m

Temperature: 22 °C

Humidity: 60 %

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		14200.00	38.48	18.86	57.34	74.00	-16.66	peak	
2		14200.00	22.89	18.86	41.75	54.00	-12.25	AVG	
3	*	18000.00	37.18	25.57	62.75	74.00	-11.25	peak	
4		18000.00	16.69	25.57	42.26	54.00	-11.74	AVG	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2441)(02-11-2007)EData :#11

Page: 1

Engineer Signature:



3.6.7 Open Field Radiated Emissions (Subpart B&C) _ Bluetooth EDR Mode

The highest peak values of radiated emissions from the EUT at various antenna heights, antenna polarization, EUT orientation, etc. are recorded on the following.

Applicant : Inventec Corporation
Model No : Mercury 619
EUT : PDA PHONE
Test Mode : CH78 2480.000 (Local Frequency: 2480.000 MHz)
Test Date : 02/11/2007

Please refer to next pager of detail testing data.

Notes:

1. Margin= Amplitude - Limits
2. Distance of Measurement: 3 Meter (30-1000MHz) & (1-10GHz), 1 Meter (10-26.5GHz)
3. Height of table for EUT placed: 0.8 Meter.
4. ANT= Antenna height.
5. Amplitude= Reading Amplitude – Amplifier gain + Cable loss + Antenna factor
(Auto calculate in spectrum analyzer)
6. The EUT was worst case on X axis after pretest on X & Y & Z axis setting.
7. The testing data only show below 18GHz's data because measure data above 18GHz was only ambit noise.
8. All frequencies from 30MHz to 26.5GHz have been tested



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

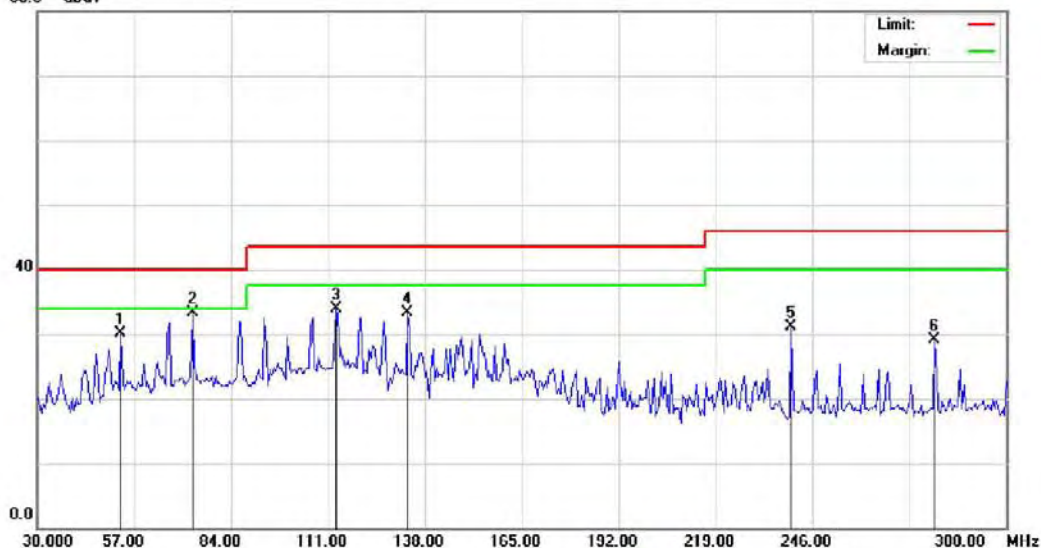
File :M619 (1G以下)(02-11-2007

Data :#9

Date: 2007/02/11

Time: 下午 17:45:23

80.0 dBuV



Site 966半電波暗室

Limit: FCC Class B 3M Radiation

EUT: PDA

M/N: M619

Mode: BT EDR

Note: CH:2480

Polarization: **Vertical**

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		53.2199	42.23	-12.19	30.04	40.00	-9.96	peak	
2	*	73.2000	50.21	-16.95	33.26	40.00	-6.74	peak	
3		113.1598	46.91	-13.04	33.87	43.50	-9.63	peak	
4		133.1399	49.15	-15.85	33.30	43.50	-10.20	peak	
5		240.0600	42.56	-11.43	31.13	46.00	-14.87	peak	
6		280.0199	39.43	-10.41	29.02	46.00	-16.98	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (1G以下)(02-11-2007>Data :#9

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

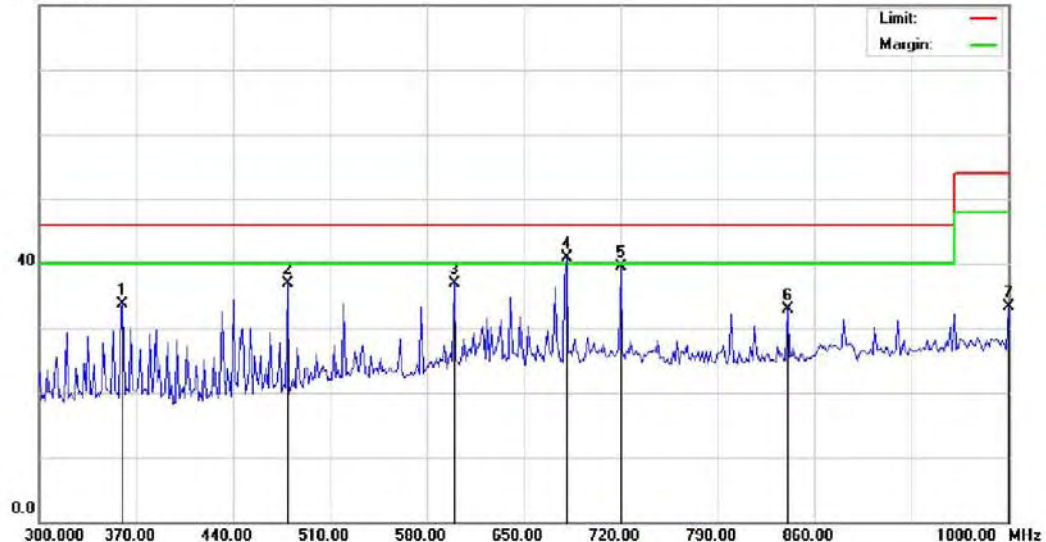
File :M619 (1G以下)(02-11-2007

Data :#10

Date: 2007/02/11

Time: 下午 17:33:46

80.0 dBuV



Site 966半電波暗室

Limit: FCC Class B 3M Radiation

EUT: PDA

M/N: M619

Mode: BT EDR

Note: CH:2480

Polarization: **Vertical**

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		360.1999	42.69	-8.97	33.72	46.00	-12.28	peak	
2		479.1999	44.41	-7.60	36.81	46.00	-9.19	peak	
3		599.6000	41.78	-4.91	36.87	46.00	-9.13	peak	
4	*	680.7998	44.93	-4.10	40.83	46.00	-5.17	peak	
5		720.0000	42.98	-3.55	39.43	46.00	-6.57	peak	
6		840.3999	34.32	-1.41	32.91	46.00	-13.09	peak	
7		1000.000	32.68	0.62	33.30	54.00	-20.70	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (1G以下)(02-11-2007>Data :#10

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

Radiated Emission Measurement

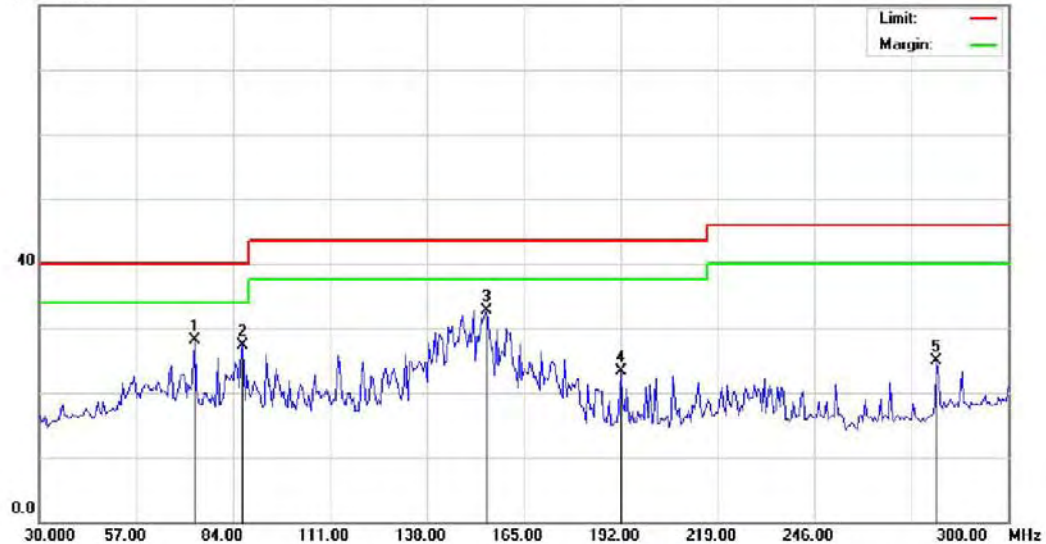
File : M619 (1G以下)(02-11-2007

Data : #11

Date: 2007/02/11

Time: 下午 17:52:50

80.0 dBuV



Site 966半電波暗室

Limit: FCC Class B 3M Radiation

EUT: PDA

M/N: M619

Mode: BT EDR

Note: CH:2480

Polarization: **Horizontal**

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		73.2000	45.00	-16.95	28.05	40.00	-11.95	peak	
2		86.7000	41.49	-14.20	27.29	40.00	-12.71	peak	
3	*	154.7400	48.56	-15.91	32.65	43.50	-10.85	peak	
4		192.0000	36.59	-13.26	23.33	43.50	-20.17	peak	
5		280.0199	35.37	-10.41	24.96	46.00	-21.04	peak	

*: Maximum data x: Over limit !: over margin

●: Reference Only

File : M619 (1G以下)(02-11-2007)Data : #11

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

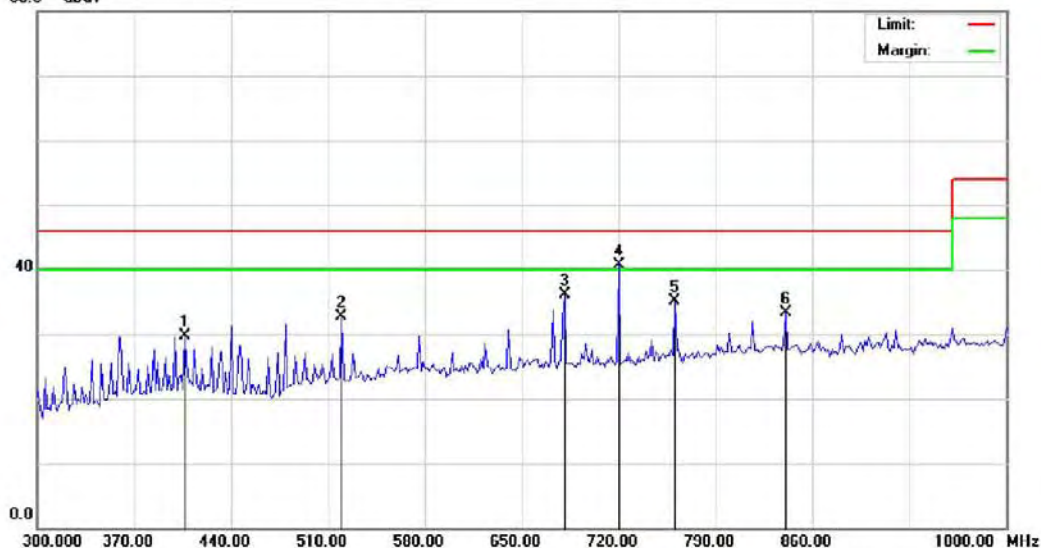
File :M619 (1G以下)(02-11-2007

Data :#12

Date: 2007/02/11

Time: 下午 17:59:48

80.0 dBuV



Site 966半電波暗室

Limit: FCC Class B 3M Radiation

EUT: PDA

M/N: M619

Mode: BT EDR

Note: CH:2480

Polarization: **Horizontal**

Power:

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		406.3999	37.96	-8.25	29.71	46.00	-16.29	peak	
2		519.7998	39.30	-6.57	32.73	46.00	-13.27	peak	
3		680.7998	40.20	-4.10	36.10	46.00	-9.90	peak	
4	*	720.0000	44.21	-3.55	40.66	46.00	-5.34	peak	
5		760.6000	38.11	-2.92	35.19	46.00	-10.81	peak	
6		840.3999	34.63	-1.41	33.22	46.00	-12.78	peak	

*:Maximum data x:Over limit !:over margin

●:Reference Only

File :M619 (1G以下)(02-11-2007>Data :#12

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

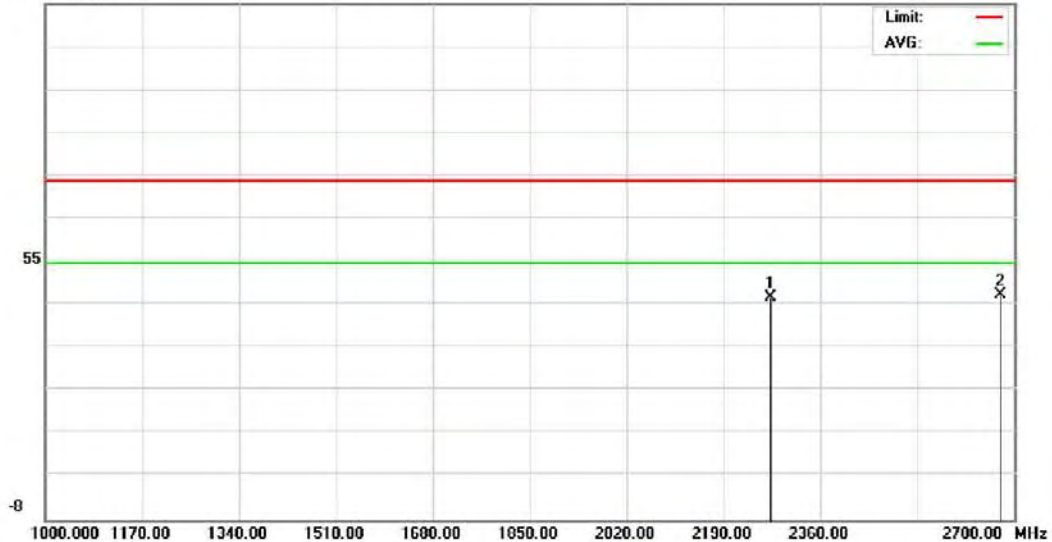
File :M619 (2480)(02-11-2007)E

Data :#1

Date: 2007/02/11

Time: 15:25:23

117.0 dBuV



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2480MHz

Polarization: Vertical

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2271.600	45.55	0.43	45.98	74.00	-28.02	peak	
2	*	2676.200	45.54	1.01	46.55	74.00	-27.45	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2480)(02-11-2007)EData :#1

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

File :M619 (2480)(02-11-2007)E

Data :#5

Date: 2007/02/11

Time: 15:35:52

117.0 dBuV



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2480MHz

Polarization: **Horizontal**

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1		2251.200	46.70	0.49	47.19	74.00	-26.81	peak	
2	*	2689.800	46.88	1.03	47.91	74.00	-26.09	peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2480)(02-11-2007)EData :#5

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

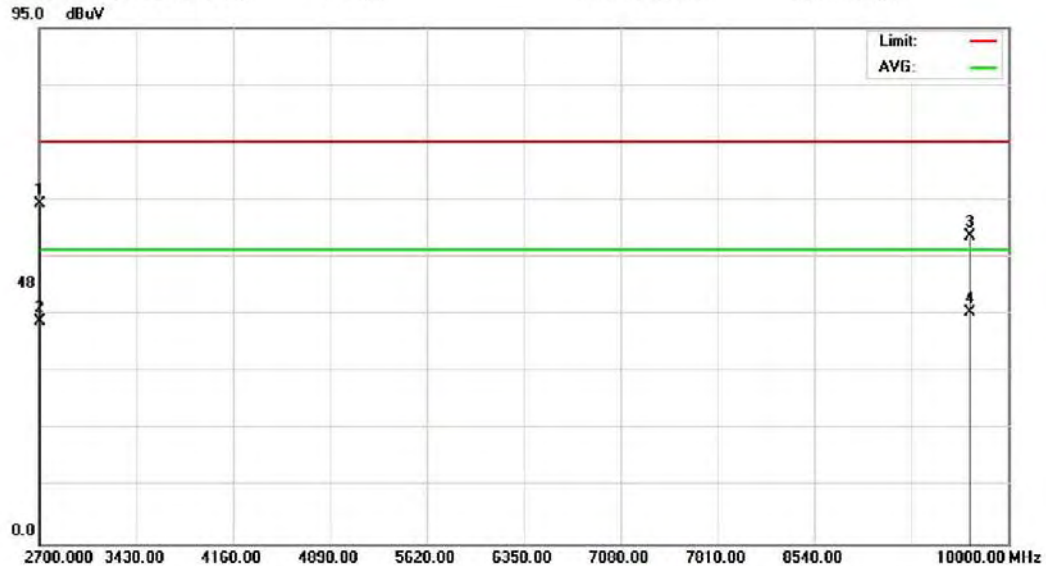
Radiated Emission Measurement

File :M619 (2480)(02-11-2007)E

Data :#7

Date: 2007/02/11

Time: 15:49:45



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2480MHz

Polarization: **Vertical**

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	2700.000	39.98	22.58	62.56	74.00	-11.44	peak	
2		2700.000	18.31	22.58	40.89	54.00	-13.11	AVG	
3		9708.000	39.03	17.50	56.53	74.00	-17.47	peak	
4		9708.000	25.03	17.50	42.53	54.00	-11.47	AVG	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2480)(02-11-2007)EData :#7

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

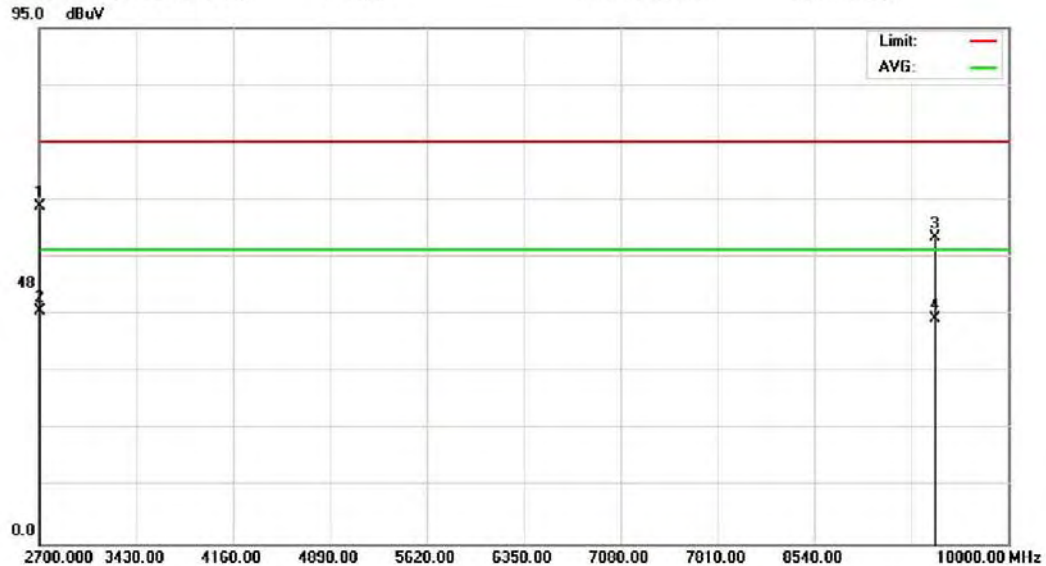
Radiated Emission Measurement

File :M619 (2480)(02-11-2007)E

Data :#9

Date: 2007/02/11

Time: 15:59:18



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2480MHz

Polarization: **Horizontal**

Power: AC 110V/60Hz

Distance: 3m

Temperature: 22 °C

Humidity: 60 %

2.7G-10G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		2700.000	39.62	22.58	62.20	74.00	-11.80	peak	
2	*	2700.000	20.27	22.58	42.85	54.00	-11.15	AVG	
3		9452.500	39.44	17.00	56.44	74.00	-17.56	peak	
4		9452.500	24.51	17.00	41.51	54.00	-12.49	AVG	

*:Maximum data x:Over limit !:over margin

●:Reference Only

File :M619 (2480)(02-11-2007)EData :#9

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

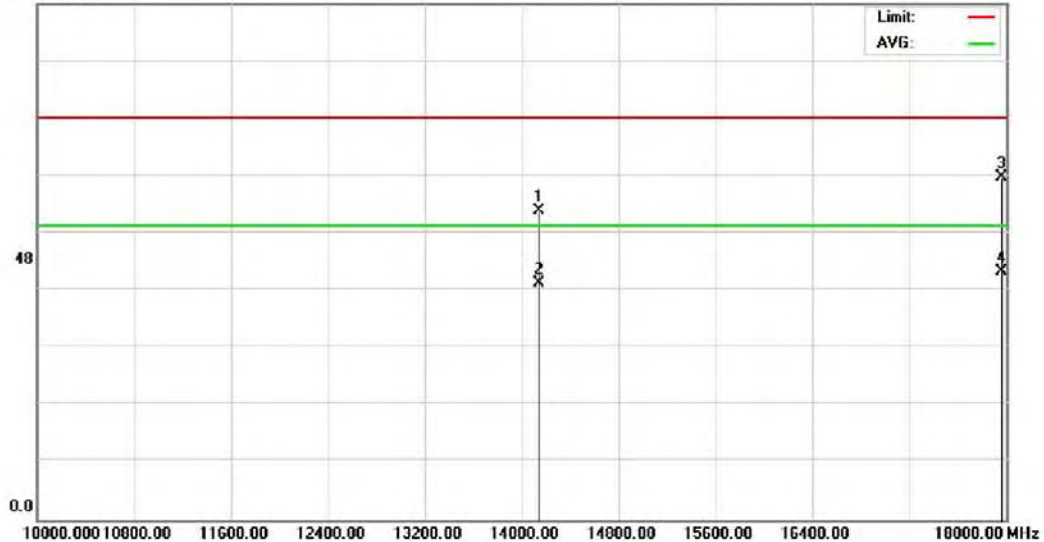
File :M619 (2480)(02-11-2007)E

Data :#11

Date: 2007/02/11

Time: 16:13:04

95.0 dBuV



Site 966半電波暗室

Polarization: **Vertical**

Temperature: 22 °C

Limit: FCC part 15 (PK)

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 1m

M/N: M619

Mode: BT EDR

Note: 2480MHz

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		14140.00	38.13	18.84	56.97	74.00	-17.03	peak	
2		14140.00	24.82	18.84	43.66	54.00	-10.34	AVG	
3		17960.00	38.11	24.83	62.94	74.00	-11.06	peak	
4 *		17960.00	21.00	24.83	45.83	54.00	-8.17	AVG	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2480)(02-11-2007)EData :#11

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

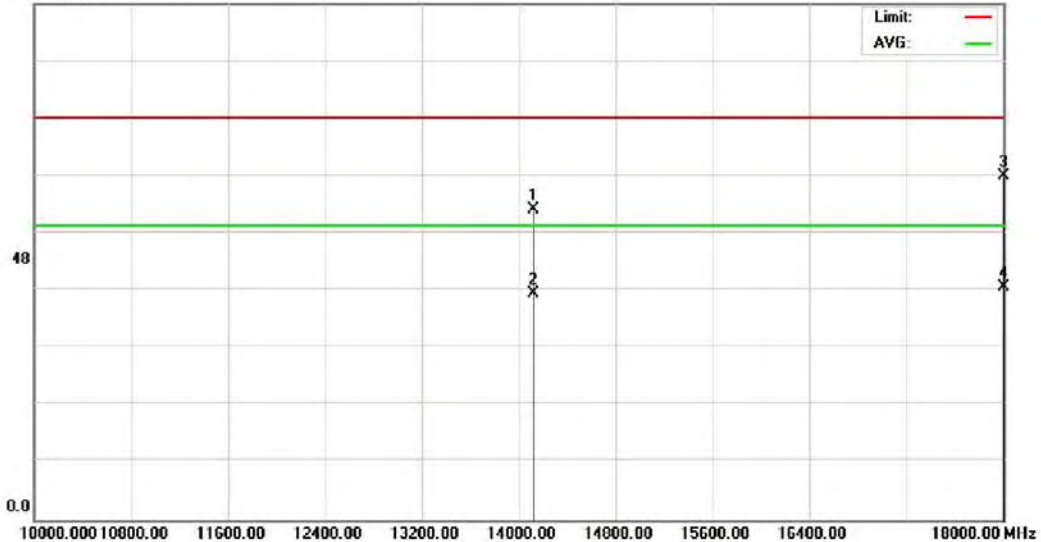
File :M619 (2480)(02-11-2007)E

Data :#13

Date: 2007/02/11

Time: 16:14:53

95.0 dBuV



Site 966半電波暗室

Limit: FCC part 15 (PK)

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2480MHz

Polarization: **Horizontal**

Power: AC 110V/60Hz

Distance: 1m

Temperature: 22 °C

Humidity: 60 %

10G - 18G PK Scan Att:0 ; REF:95 ; Range:95(EUT Power Lever:255)

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		14120.00	38.28	18.87	57.15	74.00	-16.85	peak	
2		14120.00	22.89	18.87	41.76	54.00	-12.24	AVG	
3	*	18000.00	37.65	25.57	63.22	74.00	-10.78	peak	
4		18000.00	17.28	25.57	42.85	54.00	-11.15	AVG	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619 (2480)(02-11-2007)EData :#13

Page: 1

Engineer Signature:

4. Maximum Conducted Output Power Requirements

4.1 Test Condition & Setup:

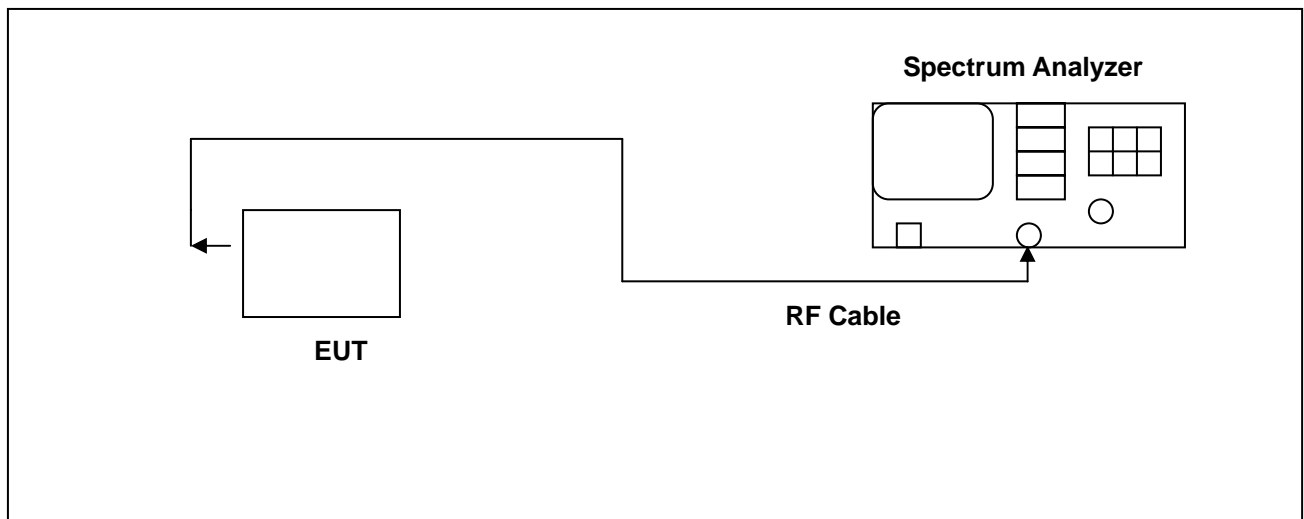
The tests below are run with the EUT's transmitter set at high power in TX mode. The EUT is needed to force selection of output power level and channel number. While testing, EUT was set to transmit continuously. Remove the Subjective device's antenna and connect the RF output port to spectrum analyzer. The maximum peak output power shall not exceed 1 watt.

Use a direct connection between the antenna port of transmitter and the spectrum Analyzer, for prevent the spectrum analyzer input attenuation 40-50 dB. Set the RBW Bandwidth of the emission or use a channel power meter mode.

For antennas with gains of 6 dBi or less, maximum allowed transmitter output is 1 watt (+30 dBm). For antennas with gains greater than 6 dBi, transmitter output level must be decreased by an amount equal to $(\text{GAIN} - 6)/3$ dBm.

The antenna port of the EUT was connected to the input of a power meter. Power was read directly and cable loss correction was added to the reading to obtain power at the EUT antenna terminals.

4.2 Test Instruments Configuration:





4.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	May. 09, 2006	May. 09, 2007

4.4 Test Result _ Bluetooth 2.0 Mode:

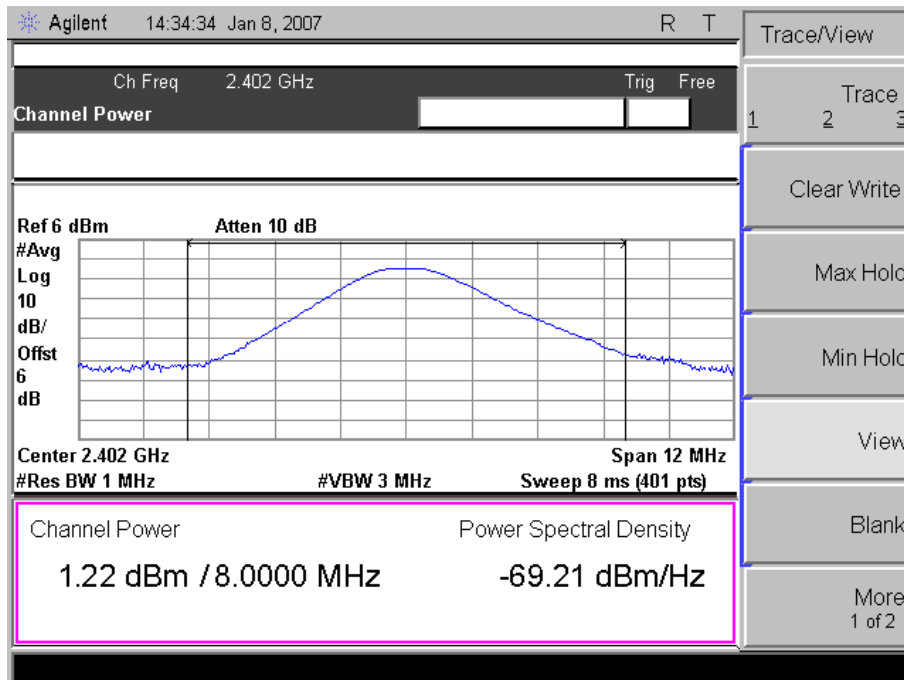
Frequency (MHz)	Output (dBm)	Required Limit
2402	1.22	<30dBm
2441	1.97	<30dBm
2480	1.81	<30dBm

Note: Test Graphs See next page.

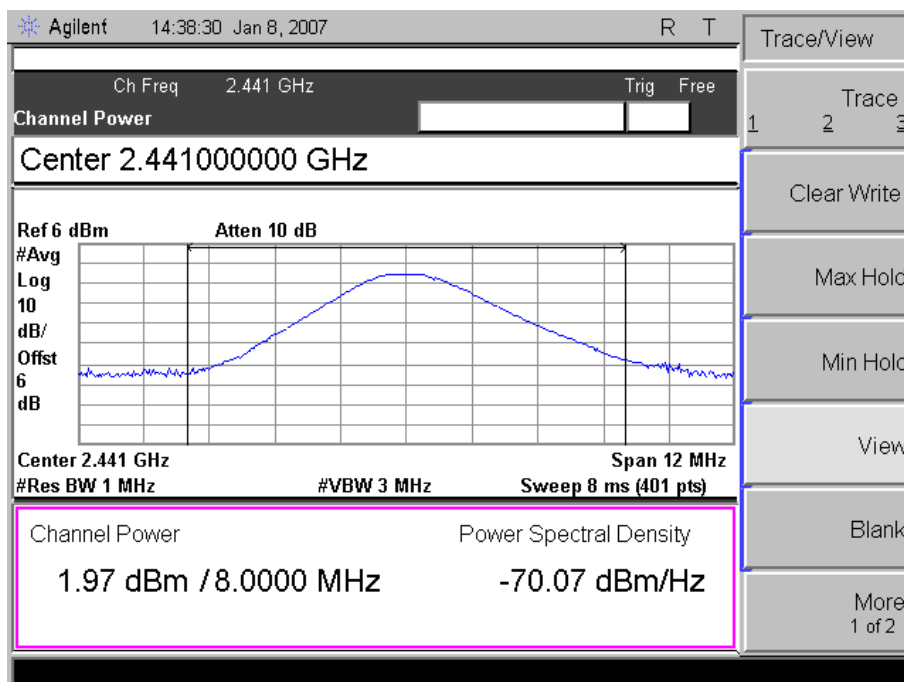


4.5 Test Graphs _ Bluetooth 2.0 Mode:

FHSS CH00 (2402MHz) _ Bluetooth 2.0 Mode

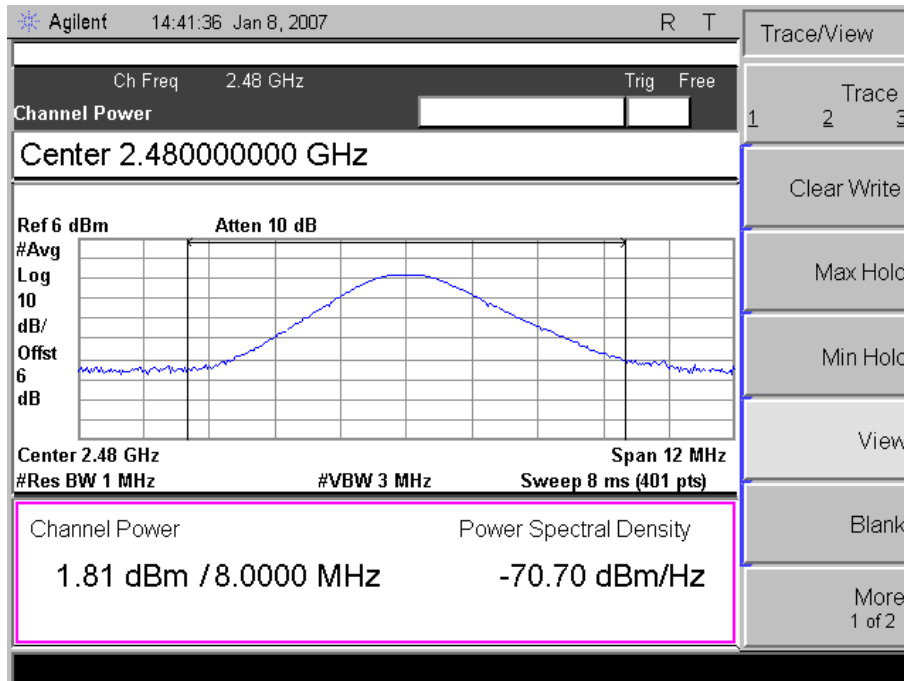


FHSS CH39 (2441MHz) _ Bluetooth 2.0 Mode





FHSS CH78 (2480MHz) _ Bluetooth 2.0 Mode





4.6 Test Result _ Bluetooth EDR Mode:

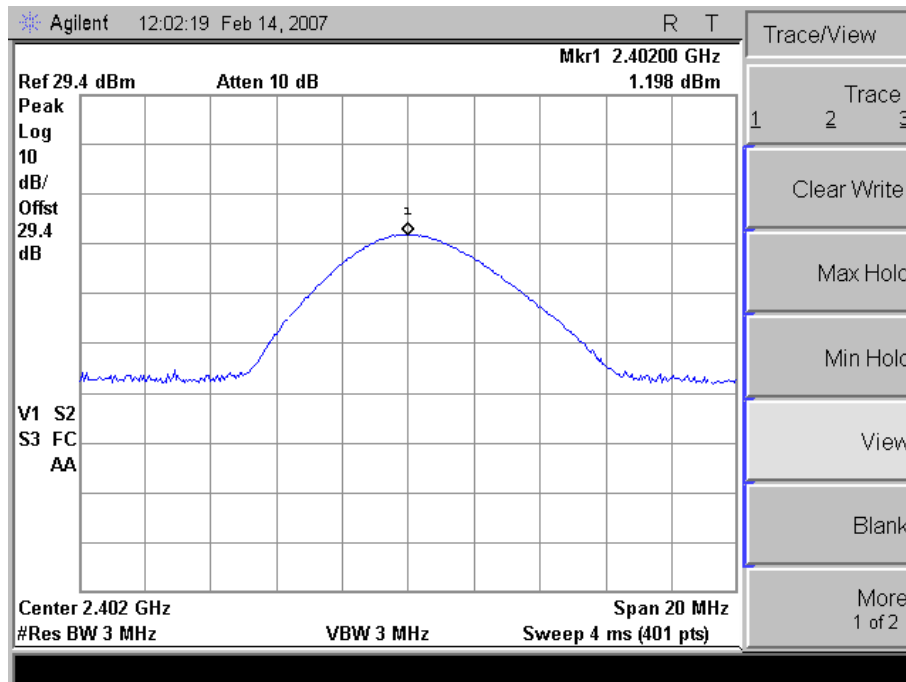
Frequency (MHz)	Output (dBm)	Required Limit
2402	1.198	<30dBm
2441	1.820	<30dBm
2480	1.788	<30dBm

Note: Test Graphs See next page.

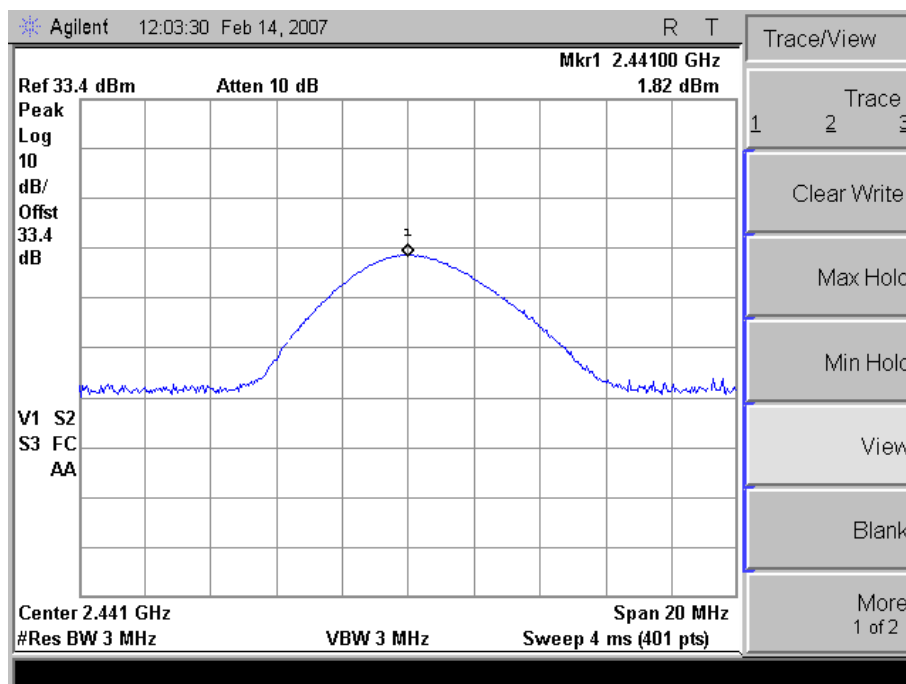


4.7 Test Graphs _ Bluetooth EDR Mode:

FHSS CH00 (2402MHz) _ Bluetooth EDR Mode

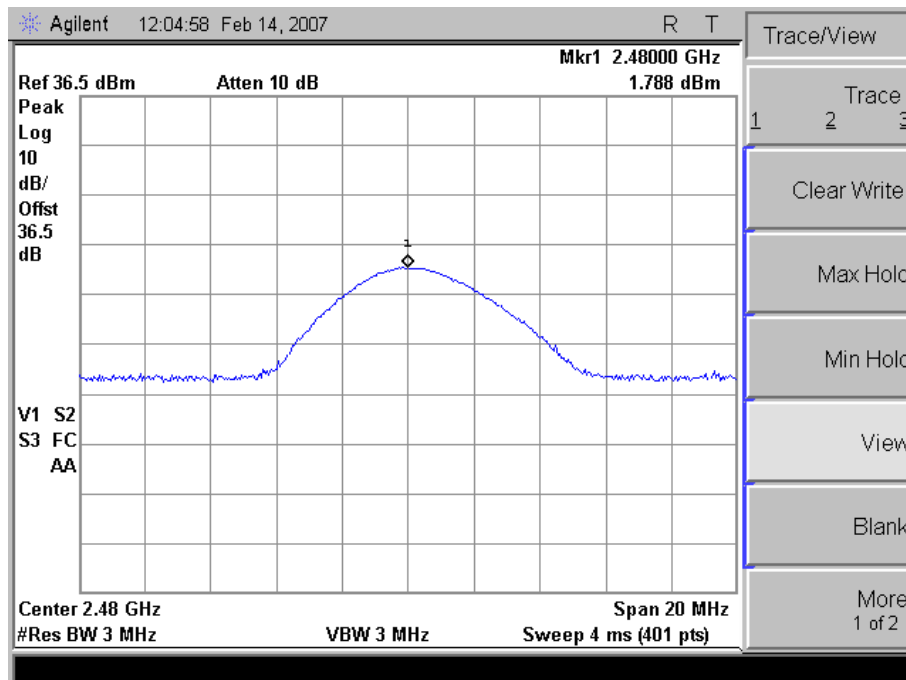


FHSS CH39 (2441MHz) _ Bluetooth EDR Mode





FHSS CH78 (2480MHz) _ Bluetooth EDR Mode



5. Minimum 20dB RF Bandwidth Requirements

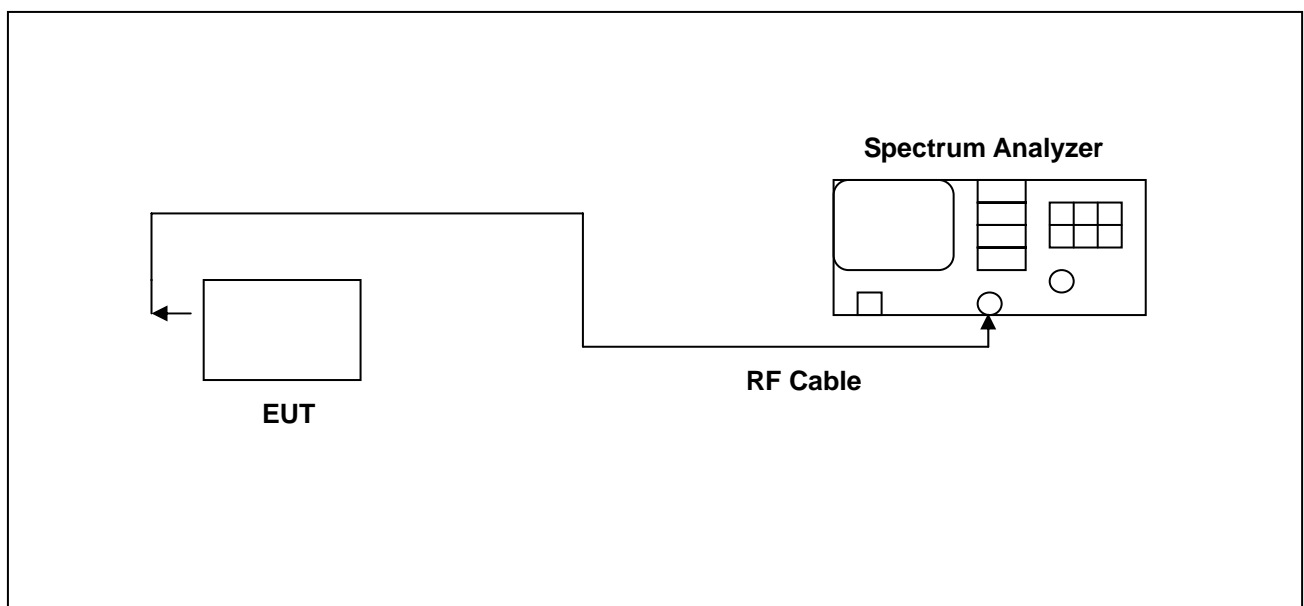
5.1 Test Condition & Setup:

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

1. Span = approx. 2 to 3 times the 20dB bandwidth, centered on a hopping frequency
2. RBW \geq 1% of the 20dB span
3. VBW \geq RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

The trace was allowed to stabilize. The EUT was transmitting at its maximum data rate. The marker-to-peak function was used to set the marker to the peak of the emission. The marker-delta function was used to measure 20dB down one side of the emission. The marker-delta function and marker was moved to the other side of the emission until it was even with the reference marker. The marker-delta reading at this point was the 20dB bandwidth of the emission.

5.2 Test Instruments Configuration:





5.3 Test Equipment List:

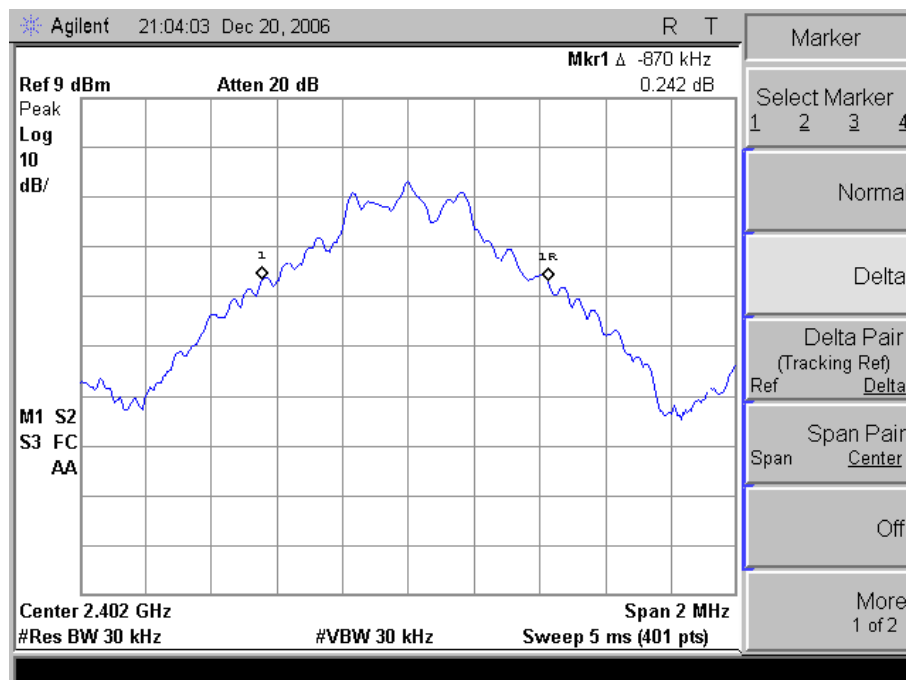
Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	May. 09, 2006	May. 09, 2007

5.4 Test Result _ Bluetooth 2.0 Mode:

Frequency (MHz)	Max 20dB Bandwidth (KHz)	2/3 Max 20dB Bandwidth (KHz)	Required Limit
2402	870	580	<1MHz
2441	795	530	<1MHz
2480	870	580	<1MHz

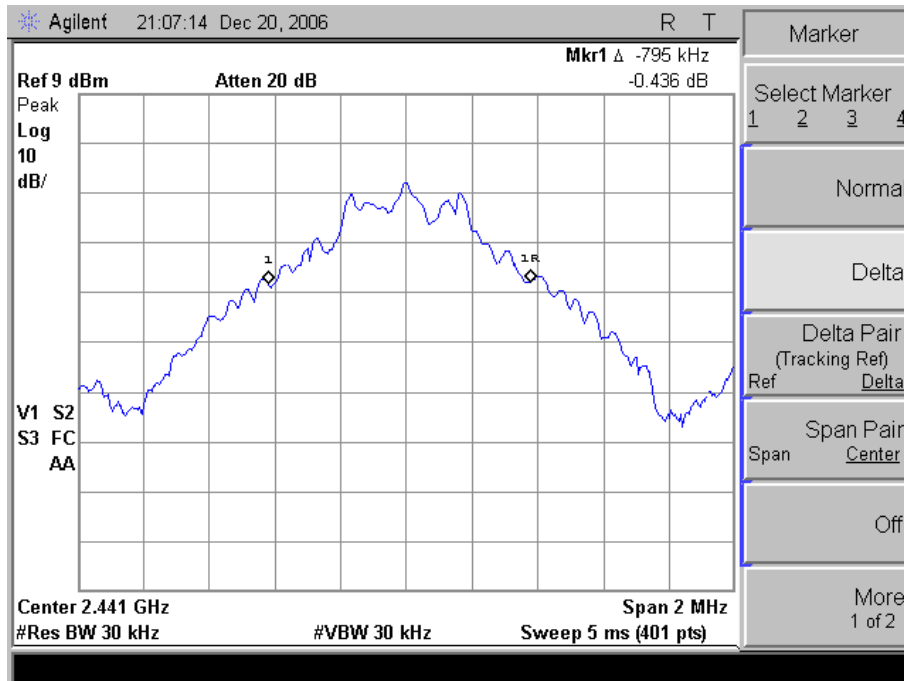
5.5 Test Graphs_ Bluetooth 2.0 Mode:

FHSS CH00 (2412MHz) _ Bluetooth 2.0 Mode

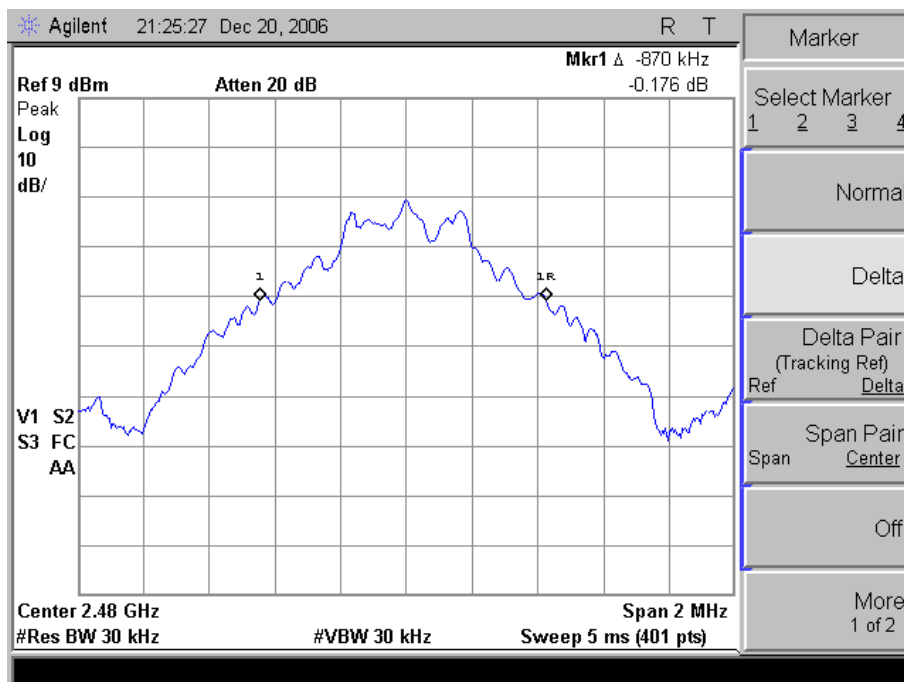




FHSS CH39 (2441MHz) _ Bluetooth 2.0 Mode



FHSS CH78 (2480MHz) _ Bluetooth 2.0 Mode



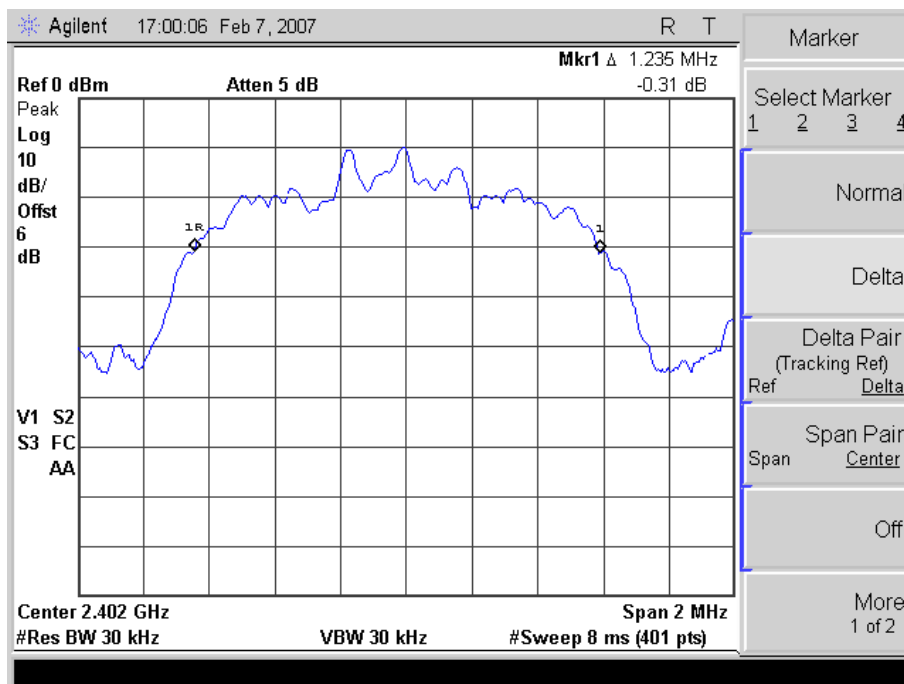


5.6 Test Result_ Bluetooth EDR Mode:

Frequency (MHz)	Max 20dB Bandwidth (KHz)	2/3 Max 20dB Bandwidth (KHz)	Required Limit
2402	1235	823.33	<1MHz
2441	1240	826.67	<1MHz
2480	1245	830	<1MHz

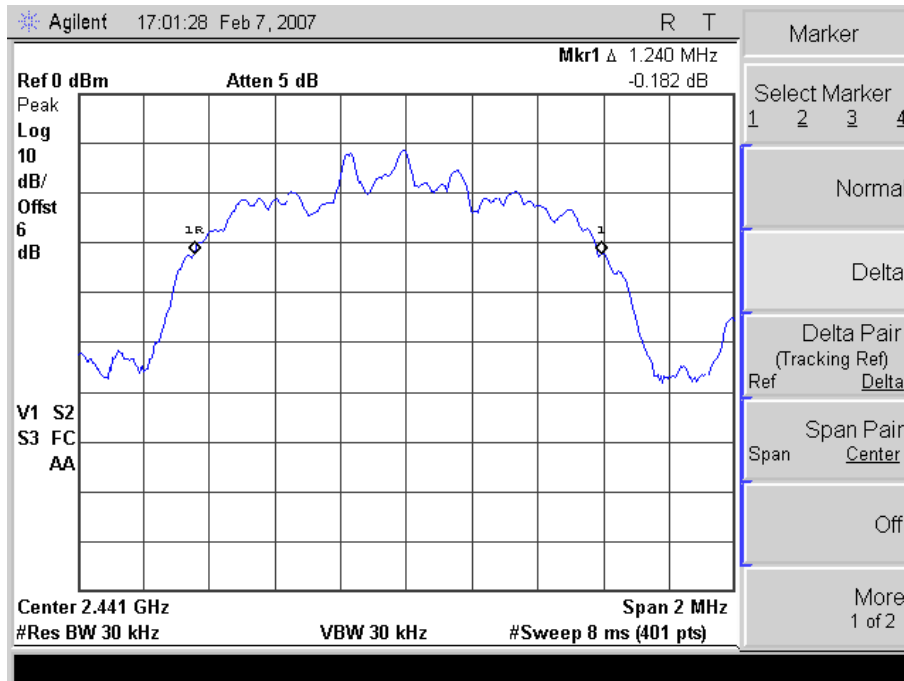
5.7 Test Graphs_ Bluetooth EDR Mode:

FHSS CH00 (2412MHz) _ Bluetooth EDR Mode

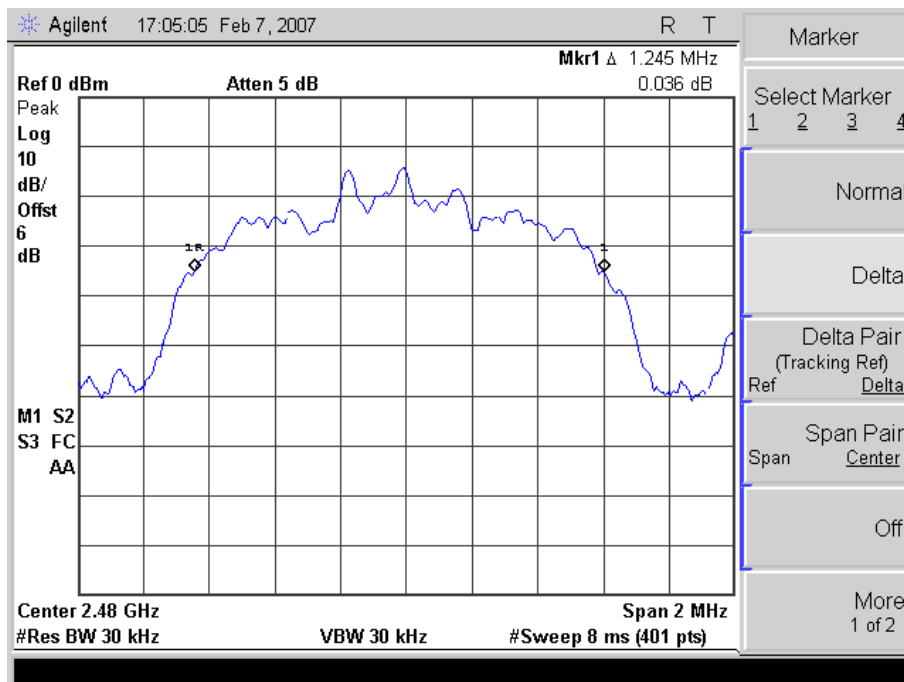




FHSS CH39 (2441MHz) _ Bluetooth EDR Mode



FHSS CH78 (2480MHz) _ Bluetooth EDR Mode



6. Carrier Frequency Separation Requirements

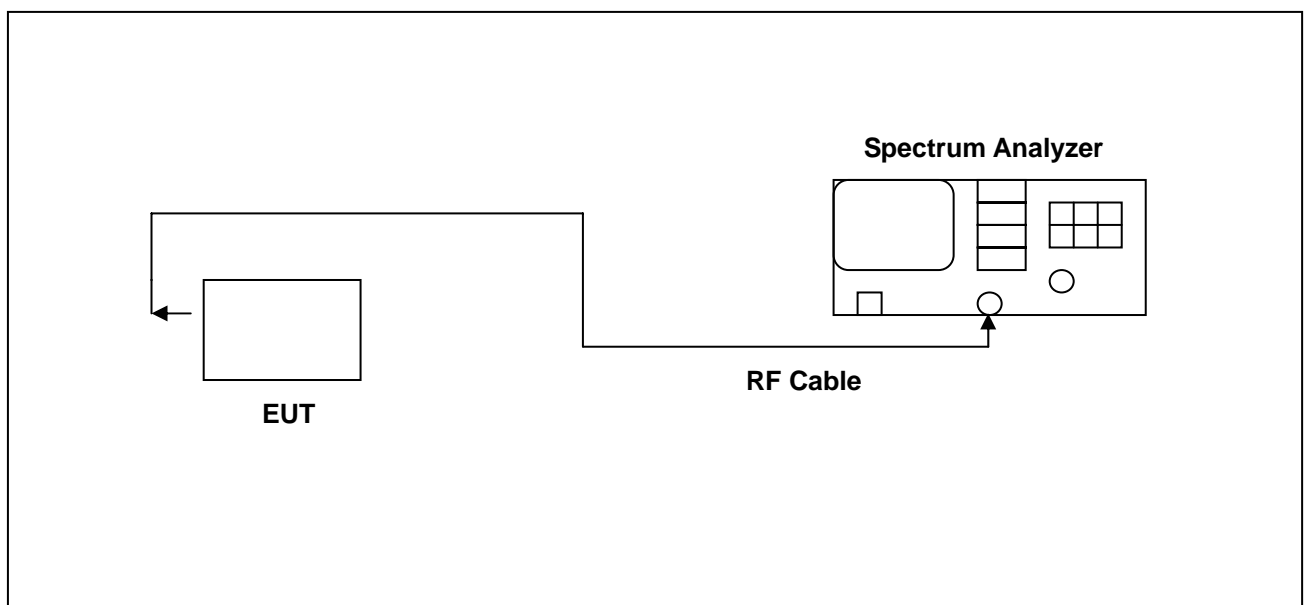
6.1 Test Condition & Setup:

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth transmitter of the V6 had its hopping function enabled. The following spectrum analyzer settings were used:

1. Span = wide enough to capture the peaks of two adjacent channels
2. Resolution (or IF) Bandwidth (RBW) \geq 1% of the span
3. Video (or Average) Bandwidth (VBW) \geq RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

The trace was allowed to stabilize. The marker-delta function was used to determine the separation between the peaks of the adjacent channels.

6.2 Test Instruments Configuration:



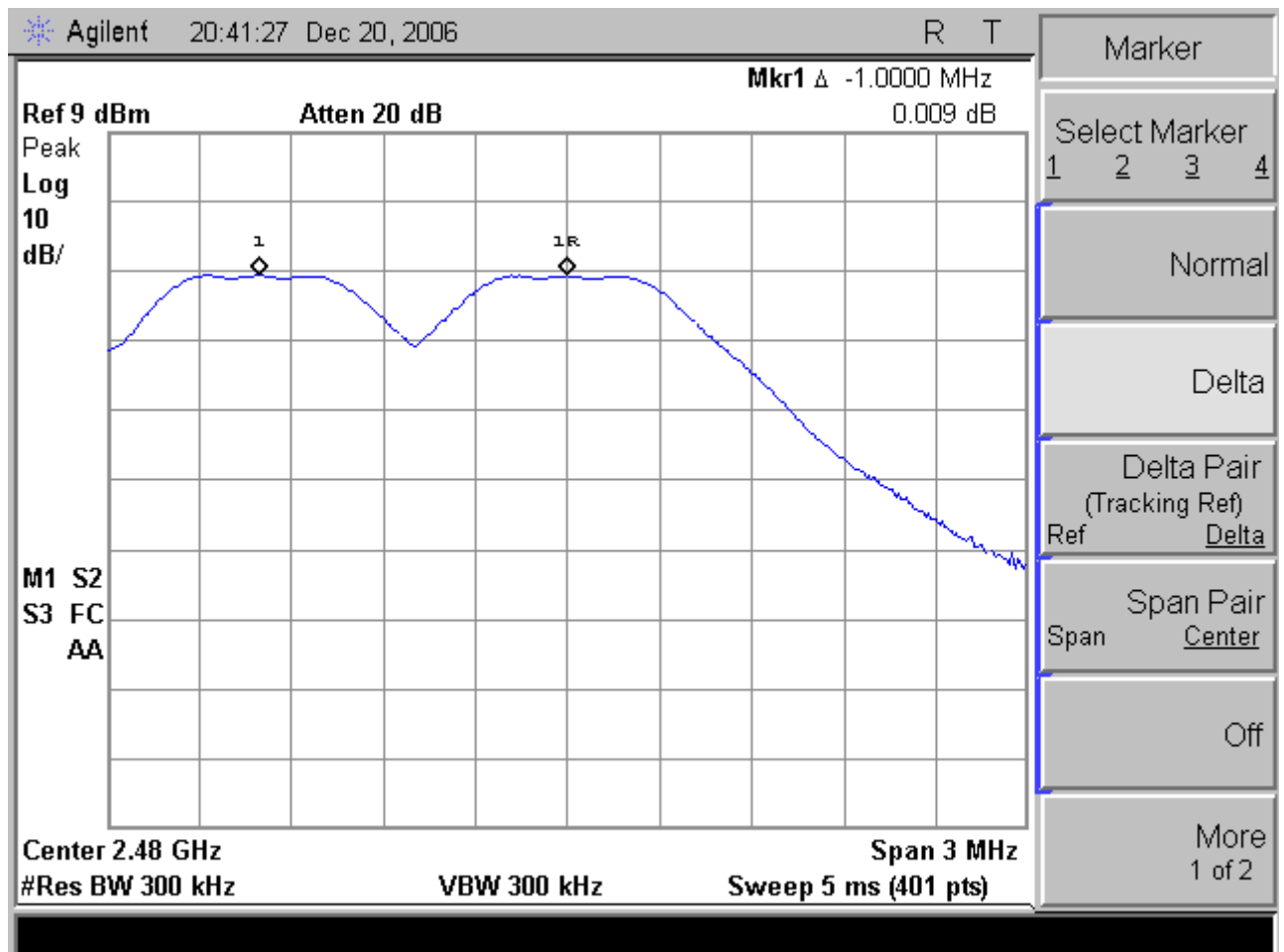


6.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	May. 09, 2006	May. 09, 2007
Attenuator	RADIALL	R41572000	0603033073	NA	NA

6.4 Test Result:

Carrier Frequency Separation Measure:	1MHz
---------------------------------------	------



7. Number of Hopping Requirements

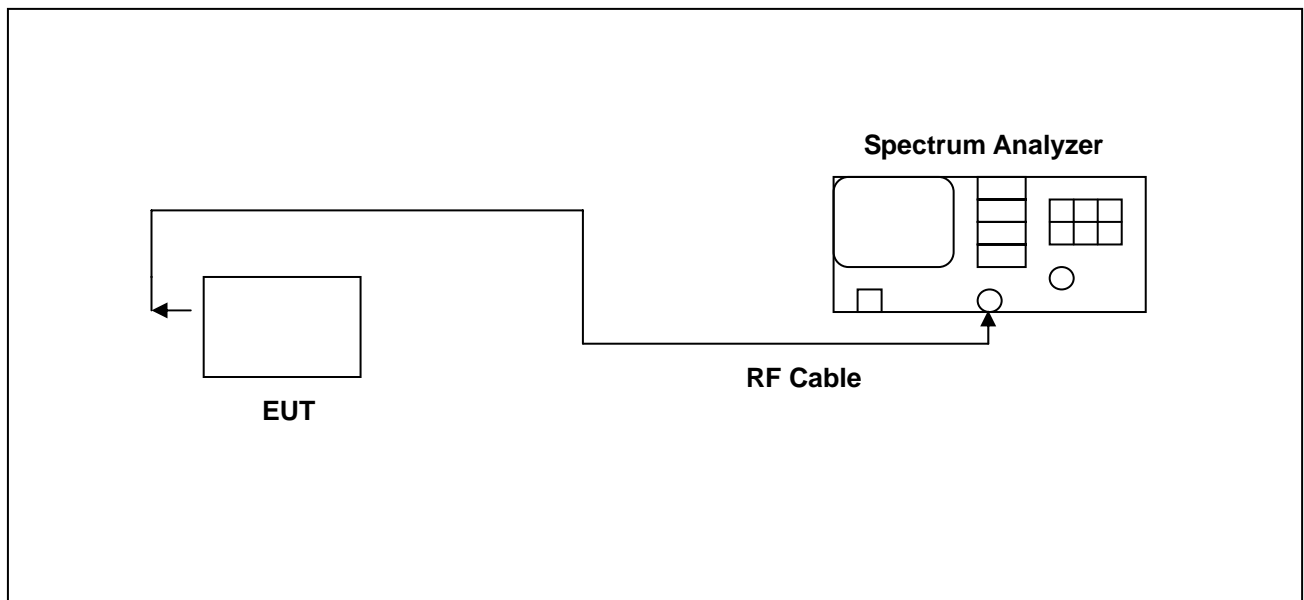
7.1 Test Condition & Setup:

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth frequency hopping function of the EUT was enabled. The spectrum analyzer used the following settings:

1. Span = the frequency band of operation
2. RBW \geq 1% of the span
3. VBW \geq RBW
4. Sweep = auto
5. Detector function = peak
6. Trace = max hold

The trace was allowed to stabilize.

7.2 Test Instruments Configuration:





7.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	May. 09, 2006	May. 09, 2007
Attenuator	RADIALL	R41572000	0603033073	NA	NA

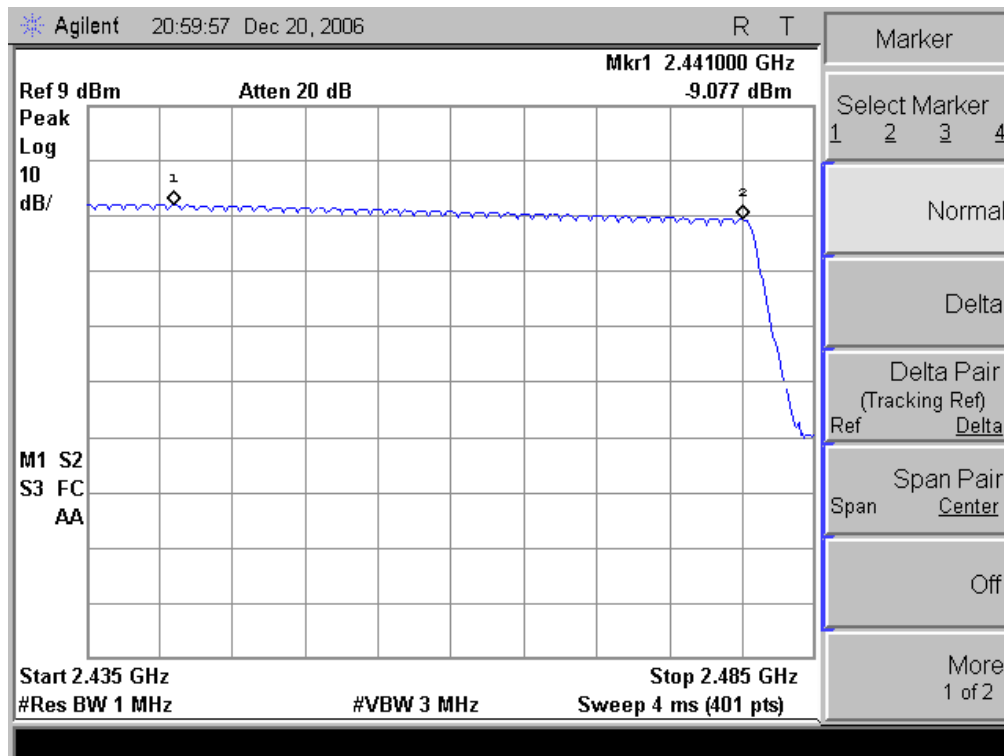
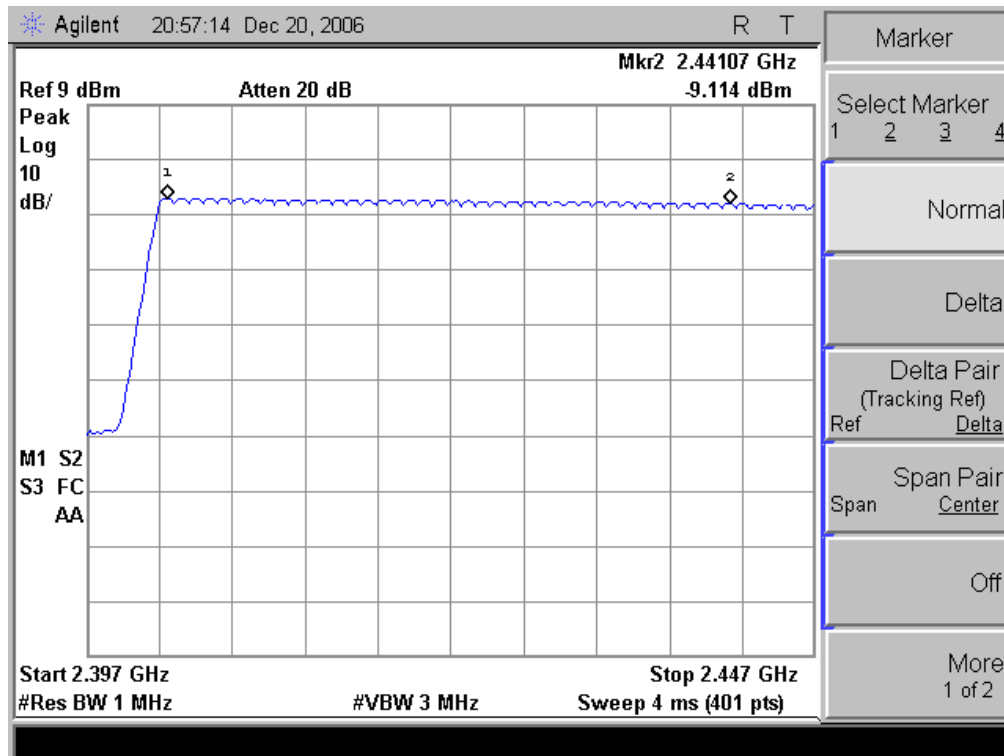
7.4 Test Result:

Number of Hopping Measure:	79CH
----------------------------	------

Note: Test Graphs See next page.



7.5 Test Graphs (CH0~CH39 & CH40~CH78)



8. Time of Occupancy (Dwell Time) Requirements

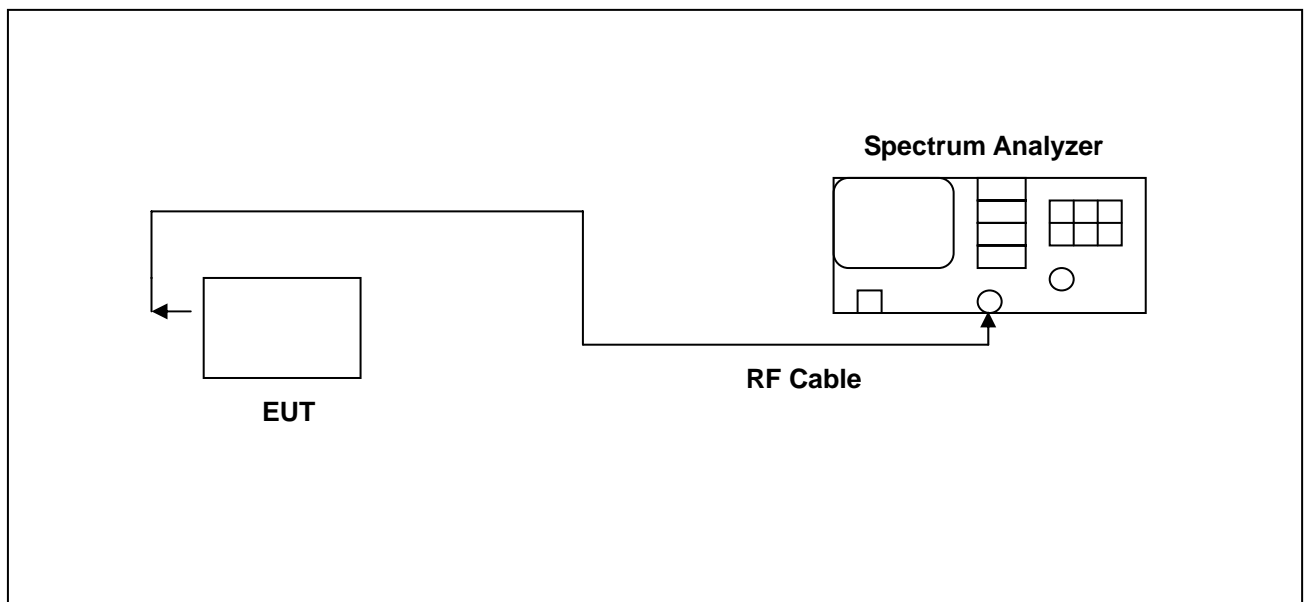
8.1 Test Condition & Setup:

The RF output port of the Equipment-Under-Test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. A fully charged battery was used for the supply voltage. The Bluetooth hopping function of the EUT was enabled. The following spectrum analyzer settings were used:

1. Span = zero span, centered on a hopping channel
2. RBW = 1 MHz
3. VBW \geq RBW
4. Sweep = as necessary to capture the entire dwell time per hopping channel
5. Detector function = peak
6. Trace = max hold

The marker-delta function was used to determine the dwell time.

8.2 Test Instruments Configuration:





8.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	May. 09, 2006	May. 09, 2007
Attenuator	RADIALL	R41572000	0603033073	NA	NA

8.4 Test Result _ Bluetooth 2.0 Mode:

DH1 Mode _ Bluetooth 2.0 Mode

Cycle Calculate	$79\text{CH} * 0.4 = 31.6 \text{ (sec)}$
The EUT Hopping Number per Sec	1600 times/sec
Each Channel Dwell Times per Sec	$800/79\text{CH} = 10.13(\text{times/sec})$
Each Channel Dwell Times (1)	0.4452 ms (sec)
Each Channel Dwell Times on Cycle(2)	$31.6 * 10.13 = 320.108(\text{times})$
Dwell Times on Cycle (1) * (2)	142.5121 ms (sec)
LIMIT(msec)	≤ 400

Note: RB=1MHz; VB=1MHz; SPAN=0MHz; Sweep Time=20msec

DH3 Mode _ Bluetooth 2.0 Mode

Cycle Calculate	$79\text{CH} * 0.4 = 31.6 \text{ (sec)}$
The EUT Hopping Number per Sec	1600 times/sec
Each Channel Dwell Times per Sec	$400/79\text{CH}=5.1(\text{times/sec})$
Each Channel Dwell Times (1)	1.67 ms (sec)
Each Channel Dwell Times on Cycle(2)	$31.6*5.1=161.16(\text{times})$
Dwell Times on Cycle (1) * (2)	269.1372 ms (sec)
LIMIT(msec)	≤ 400

Note: RB=1MHz; VB=1MHz; SPAN=0MHz; Sweep Time=20msec



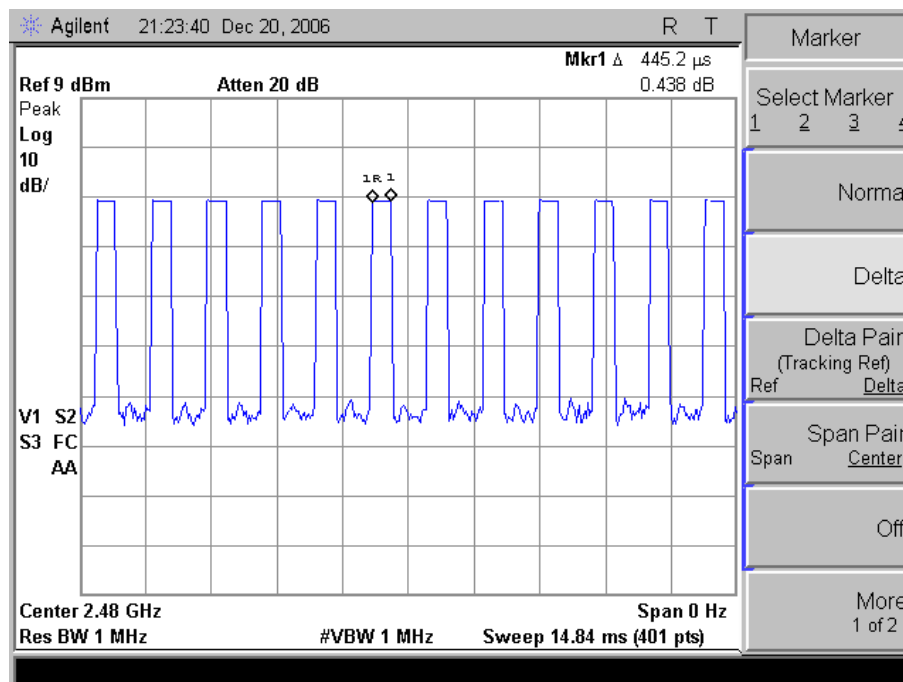
DH5 Mode _ Bluetooth 2.0 Mode

Cycle Calculate	$79\text{CH} * 0.4 = 31.6 \text{ (sec)}$
The EUT Hopping Number per Sec	1600 times/sec
Each Channel Dwell Times per Sec	$266.7/79\text{CH}=3.37 \text{ (times/sec)}$
Each Channel Dwell Times (1)	2.82 ms (sec)
Each Channel Dwell Times on Cycle(2)	$31.6*2.82=106.492 \text{ (times)}$
Dwell Times on Cycle (1) * (2)	300.3074 ms (sec)
LIMIT(msec)	≤ 400

Note: RB=1MHz; VB=1MHz; SPAN=0MHz; Sweep Time=20msec

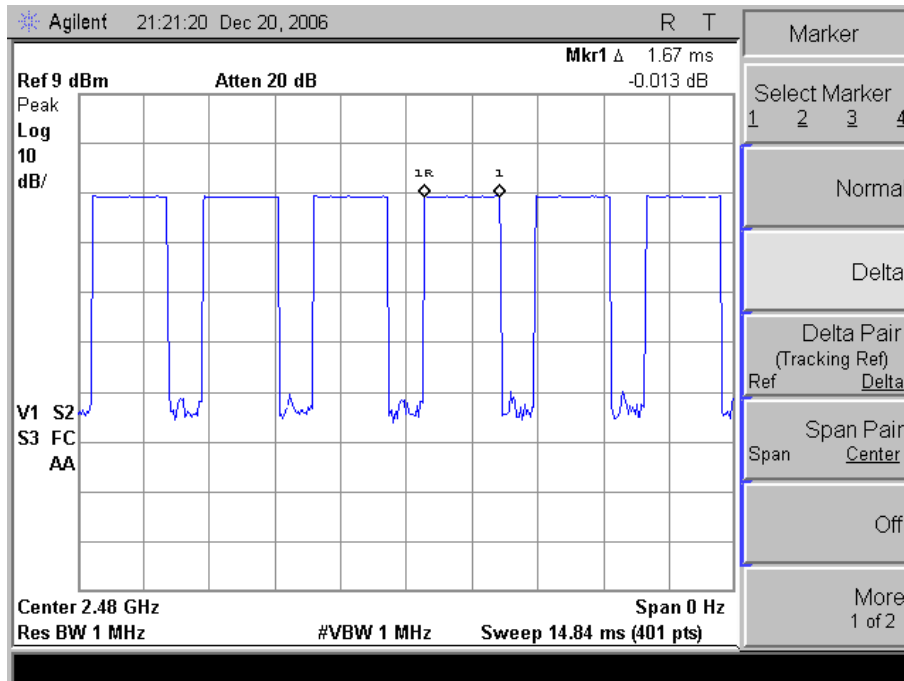
8.5 Test Graphs _ Bluetooth 2.0 Mode:

FHSS DH1 _ Bluetooth 2.0 Mode

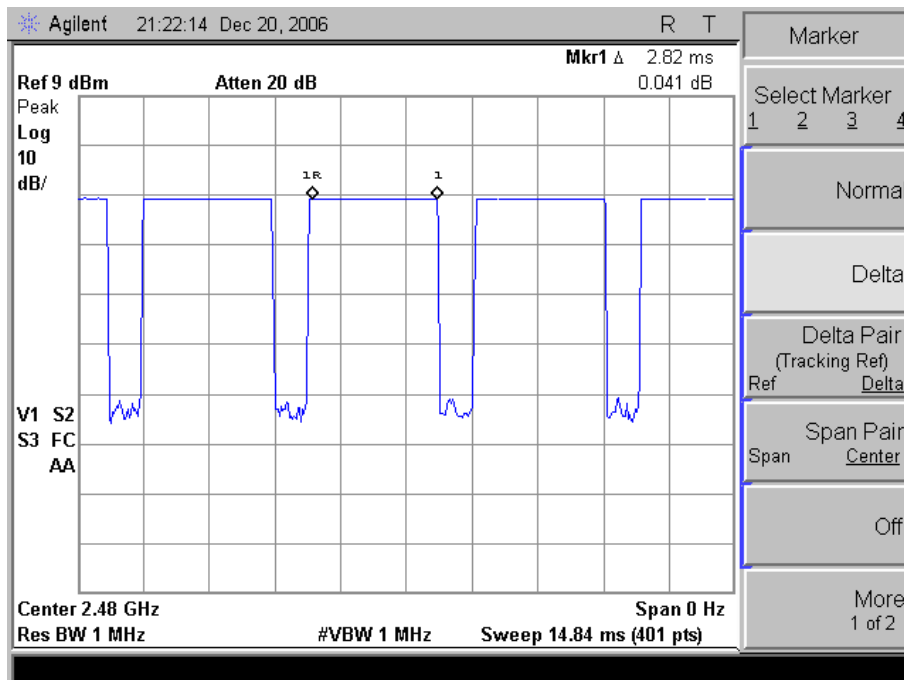




FHSS DH3 _ Bluetooth 2.0 Mode



FHSS DH5 _ Bluetooth 2.0 Mode





8.6 Test Result _ Bluetooth EDR Mode:

DH1 Mode _ Bluetooth EDR Mode

Cycle Calculate	$79\text{CH} * 0.4 = 31.6 \text{ (sec)}$
The EUT Hopping Number per Sec	1600 times/sec
Each Channel Dwell Times per Sec	$800/79\text{CH} = 10.13(\text{times/sec})$
Each Channel Dwell Times (1)	0.42 ms (sec)
Each Channel Dwell Times on Cycle(2)	$31.6 * 10.13 = 320.108(\text{times})$
Dwell Times on Cycle (1) * (2)	134.44536 ms (sec)
LIMIT(msec)	≤ 400

Note: RB=1MHz; VB=1MHz; SPAN=0MHz; Sweep Time=20msec

DH3 Mode _ Bluetooth EDR Mode

Cycle Calculate	$79\text{CH} * 0.4 = 31.6 \text{ (sec)}$
The EUT Hopping Number per Sec	1600 times/sec
Each Channel Dwell Times per Sec	$400/79\text{CH}=5.1(\text{times/sec})$
Each Channel Dwell Times (1)	1.68 ms (sec)
Each Channel Dwell Times on Cycle(2)	$31.6*5.1=161.16(\text{times})$
Dwell Times on Cycle (1) * (2)	270.7488 ms (sec)
LIMIT(msec)	≤ 400

Note: RB=1MHz; VB=1MHz; SPAN=0MHz; Sweep Time=20msec



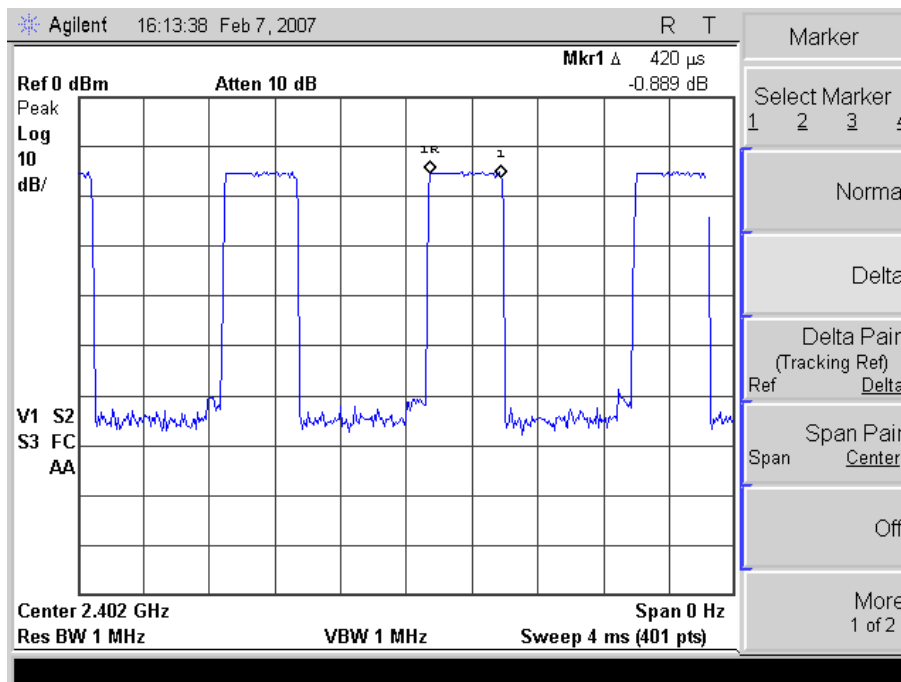
DH5 Mode _ Bluetooth EDR Mode

Cycle Calculate	$79\text{CH} * 0.4 = 31.6 \text{ (sec)}$
The EUT Hopping Number per Sec	1600 times/sec
Each Channel Dwell Times per Sec	$266.7/79\text{CH}=3.37 \text{ (times/sec)}$
Each Channel Dwell Times (1)	2.92 ms (sec)
Each Channel Dwell Times on Cycle(2)	$31.6*2.82=106.492 \text{ (times)}$
Dwell Times on Cycle (1) * (2)	310.95664ms (sec)
LIMIT(msec)	≤ 400

Note: RB=1MHz; VB=1MHz; SPAN=0MHz; Sweep Time=20msec

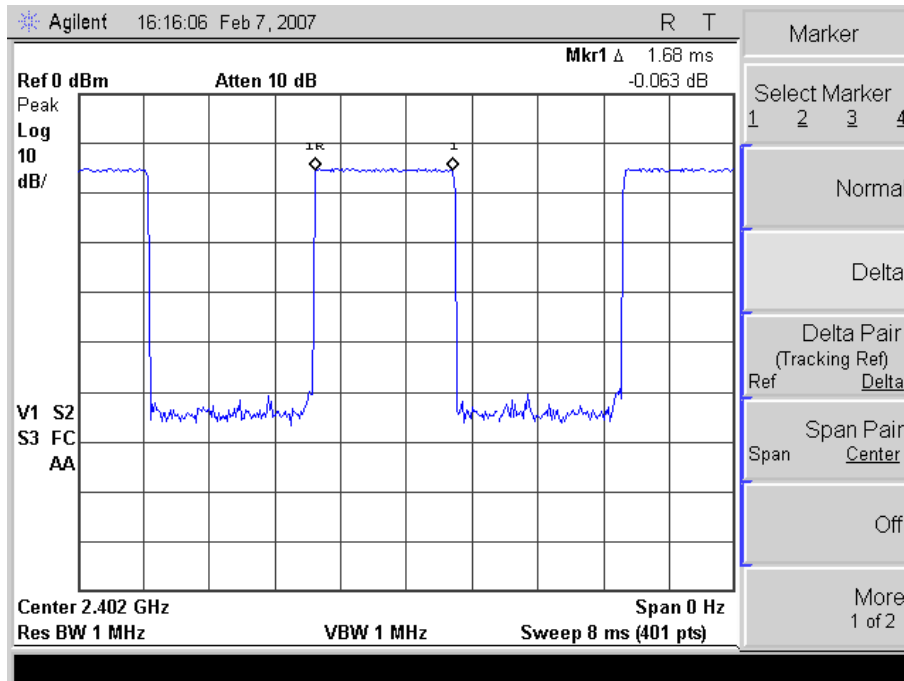
8.7 Test Graphs _ Bluetooth EDR Mode:

FHSS DH1 _ Bluetooth EDR Mode

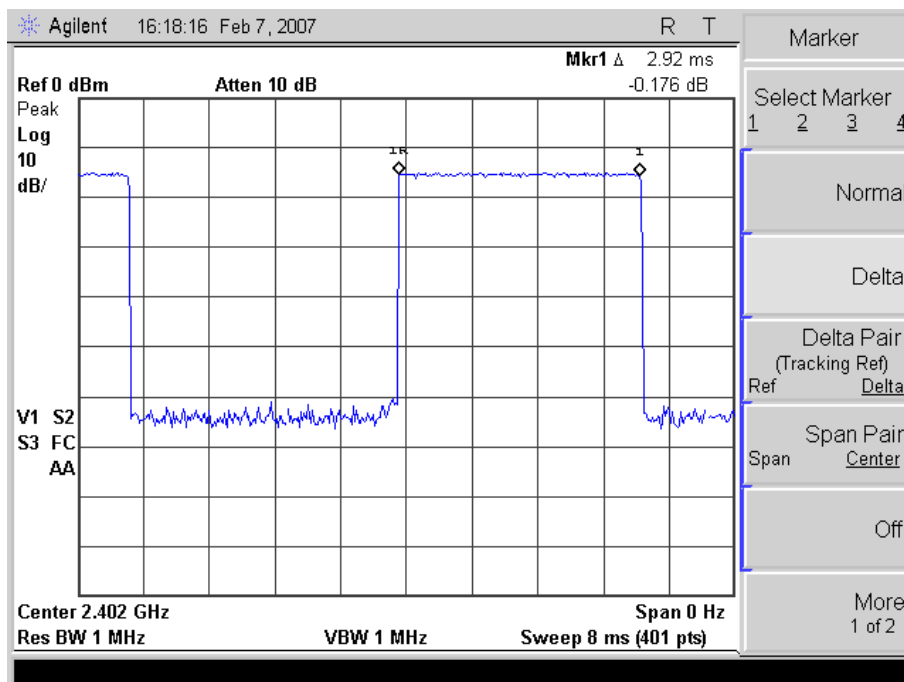




FHSS DH3 _ Bluetooth EDR Mode



FHSS DH5 _ Bluetooth EDR Mode



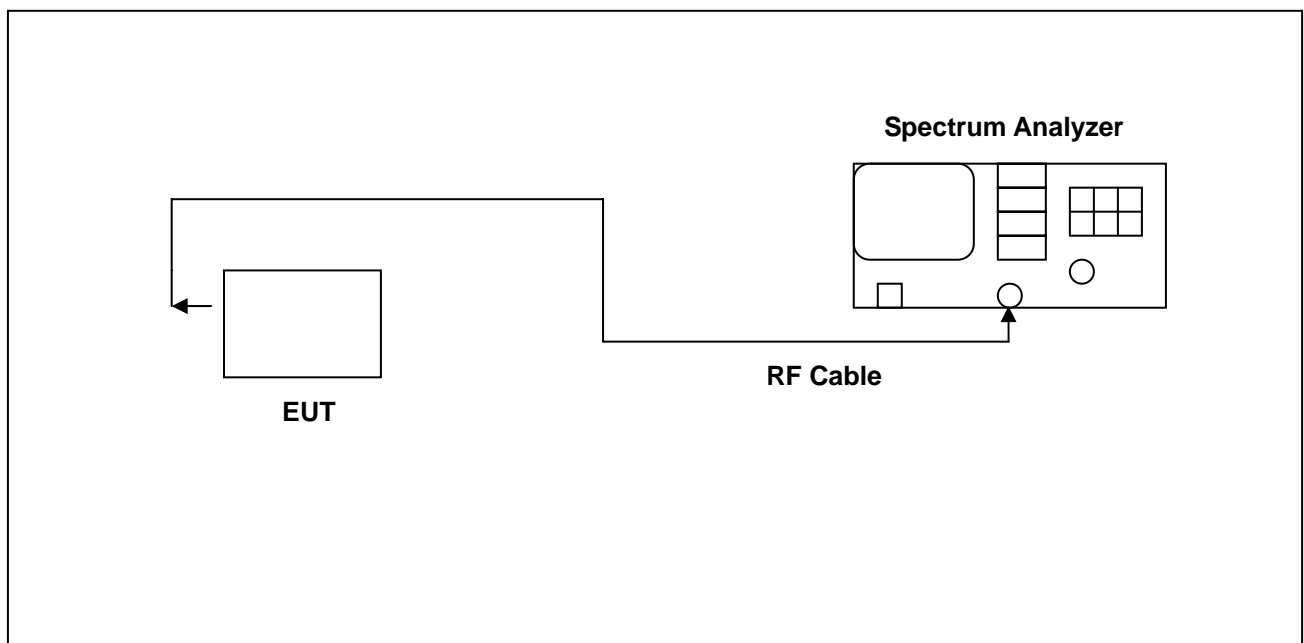
9. Out of Band Conducted Emissions Requirements

9.1 Test Condition & Setup:

In any 100 kHz bandwidth outside the EUT pass band, the RF power produced by the modulation products of the spreading sequence, the information sequence, and the carrier frequency shall be at least 20 dB below that of the maximum in-band 100 kHz emission, antenna output of the EUT was coupled directly to spectrum analyzer; if an external attenuator and/or cable was used, these losses are compensated for with the analyzer OFFSET function.

All other types of emissions from the EUT shall meet the general limits for radiated frequencies outside the pass band. The test was performed at 3 channels (Channel 1, 6, 11)

9.2 Test Instruments Configuration:





9.3 Test Equipment List:

Describe	Manufacturer	Model	Serial Number	Calibration	
				Cal. Date	Due Date
Spectrum Analyzer	Agilent	E4445A	MY45300744	May. 09, 2006	May. 09, 2007

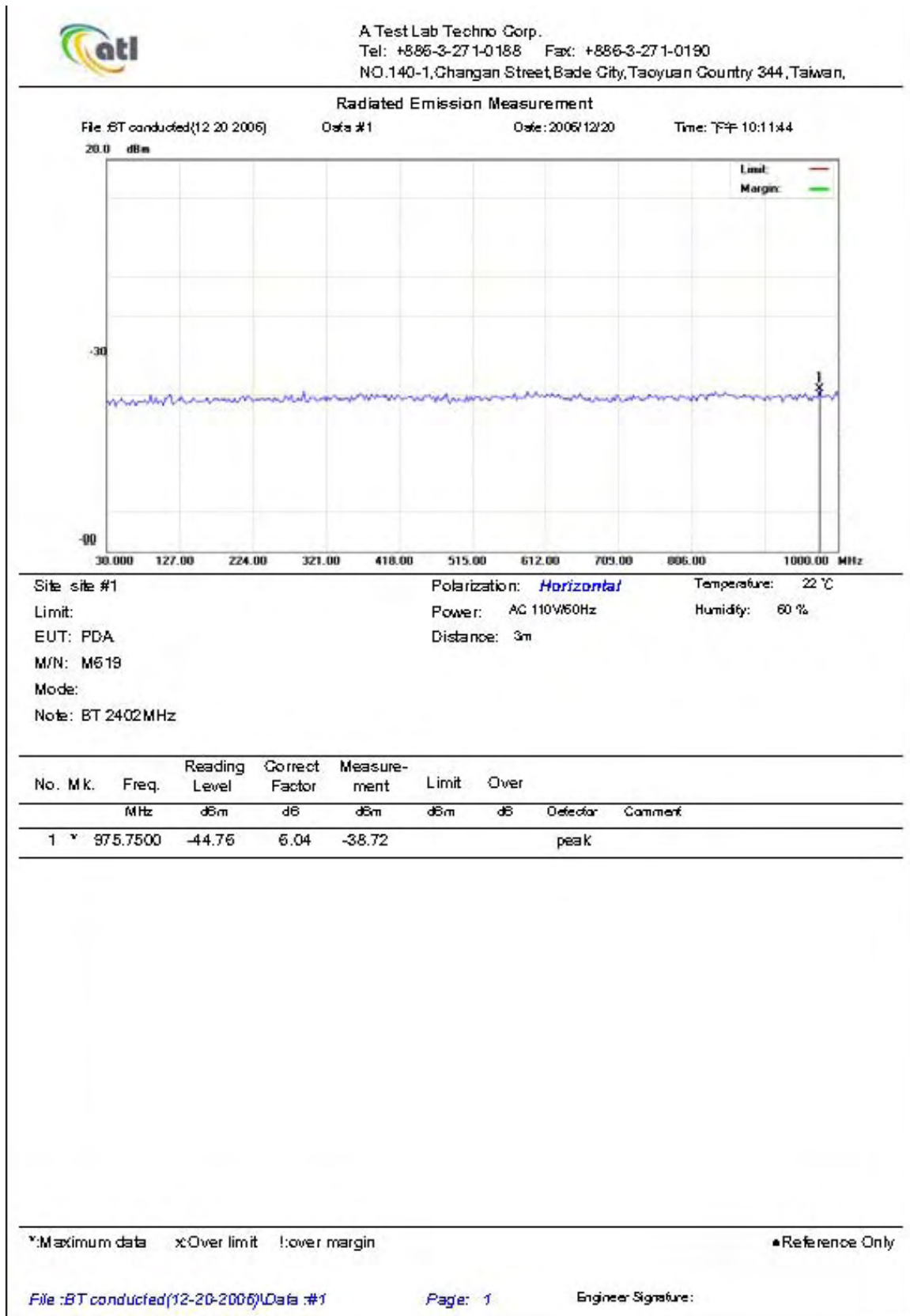
9.4 Test Result:

Refer to attached data sheets. Data shows out of band emissions are suppressed well below the -20 dBc minimum required by the Rules.

Note: Test Graphs See next page.



9.5 Test Graphs _ Bluetooth 2.0 Mode:





A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO. 140-1, Changan Street, Bade City, Taoyuan County 344, Taiwan.

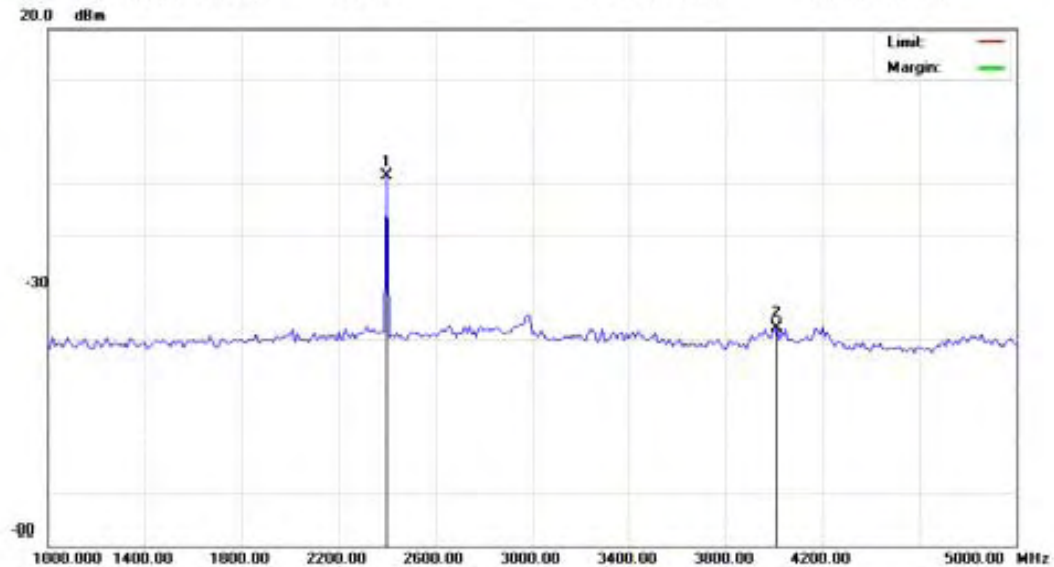
Radiated Emission Measurement

File: BT conducted(12-20-2006)

Data: #2

Date: 2006/12/20

Time: 下午 10:11:57



Site: site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M519

Mode:

Note: BT 2402MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2400.000	-14.74	6.09	-8.65			peak	
2		4010.000	-44.10	6.15	-37.95			peak	

*: Maximum data x: Over limit !: over margin

• Reference Only

File: BT conducted(12-20-2006)\Data: #2

Page: 1

Engineer Signature:

Radiated Emission Measurement

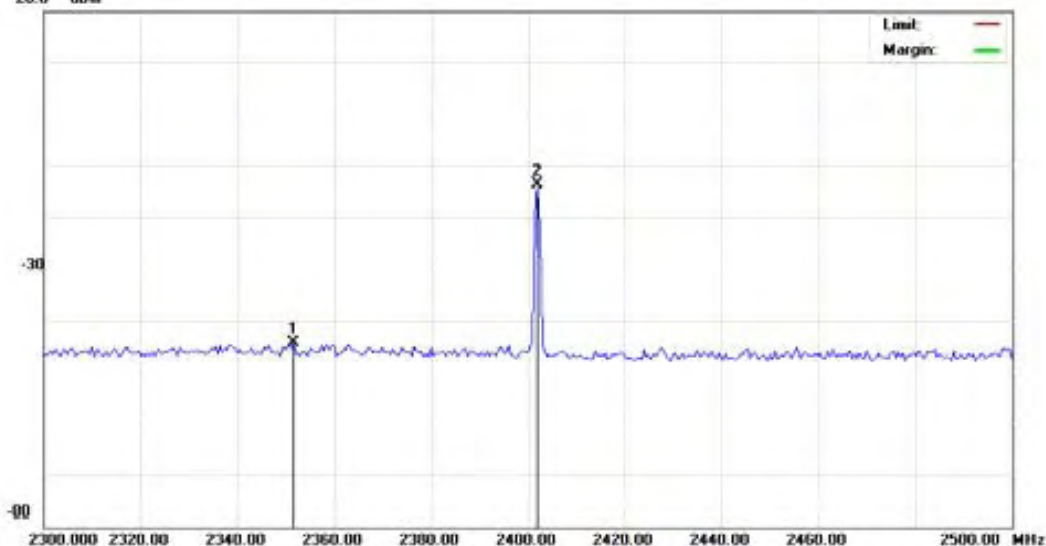
File :BT conducted(12-20-2006)

Data #3

Date: 2006/12/20

Time: 下午 10:12:10

20.0 dBm



Site site #1

Polarization: *Horizontal*

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2402MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Defector	Comment
1		2351.500	-44.30	0.00	-44.30			peak	
2	*	2402.000	-13.88	0.00	-13.88			peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File :BT conducted(12-20-2006)\Data :#3

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO. 140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

Radiated Emission Measurement

File: BT conducted(12-20-2006)

Data: #4

Date: 2006/12/20

Time: 下午 10:12:22

20.0 dBm



Site: site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M519

Mode:

Note: BT 2402MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14550.00	-42.64	6.55	-36.09			peak	

*: Maximum data x: Over limit !: over margin

• Reference Only

File: BT conducted(12-20-2006) Data: #4

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

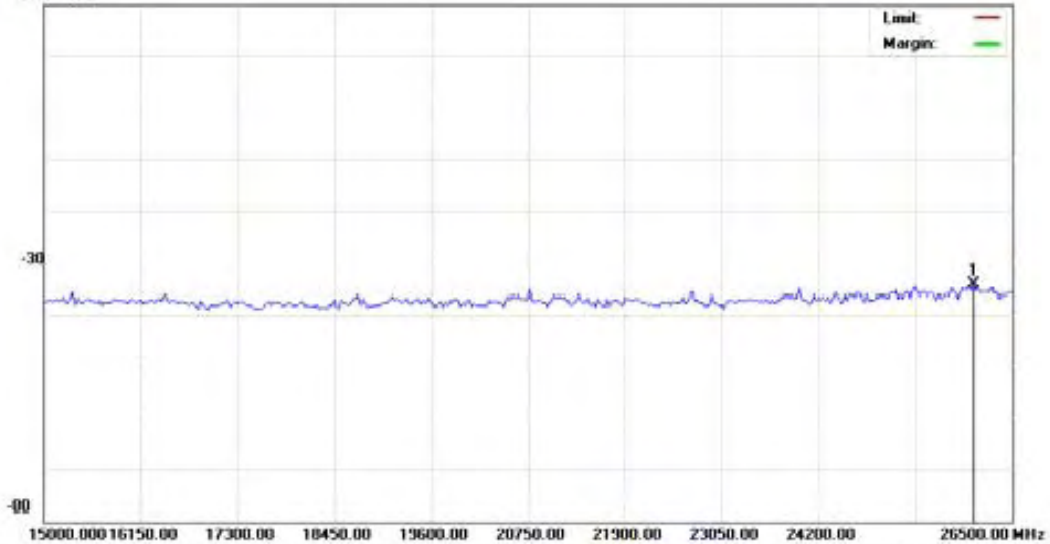
File :BT conducted(12-20-2006)

Data #5

Date : 2006/12/20

Time: 下午 10:12:35

20.0 dBm



Site site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2402MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Defector	Comment
1	*	26040.00	-41.26	6.98	-34.28			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :BT conducted(12-20-2006)\Data :#5

Page: 1

Engineer Signature:

Radiated Emission Measurement

File: BT conducted(12-20-2006)

Data: #6

Date: 2006/12/20

Time: 下午 10:17:17



Site: site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2441MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	837.5250	-44.78	6.03	-38.75				peak

*: Maximum data x: Over limit !: over margin

• Reference Only

File: BT conducted(12-20-2006) Data: #6

Page: 1

Engineer Signature:

Radiated Emission Measurement

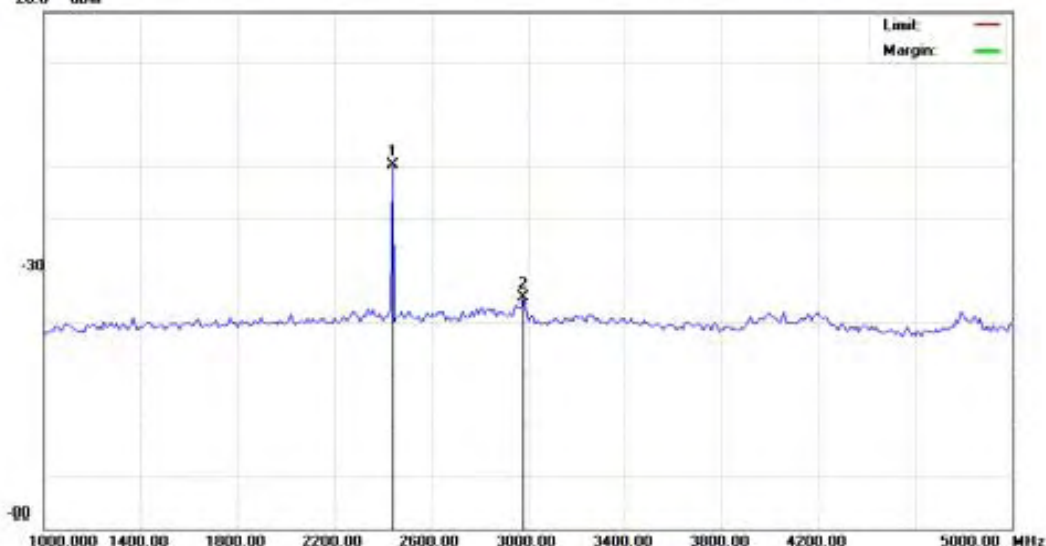
File :BT conducted(12-20-2006)

Data #7

Date: 2006/12/20

Time: 下午 10:17:31

20.0 dBm



Site site #1

Polarization: *Horizontal*

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2441MHz

No.	M.k.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Defector	Comment
1	*	2440.000	-15.85	6.09	-9.76			peak	
2		2980.000	-41.65	6.11	-35.54			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :BT conducted(12-20-2006)\Data :#7

Page: 1

Engineer Signature:

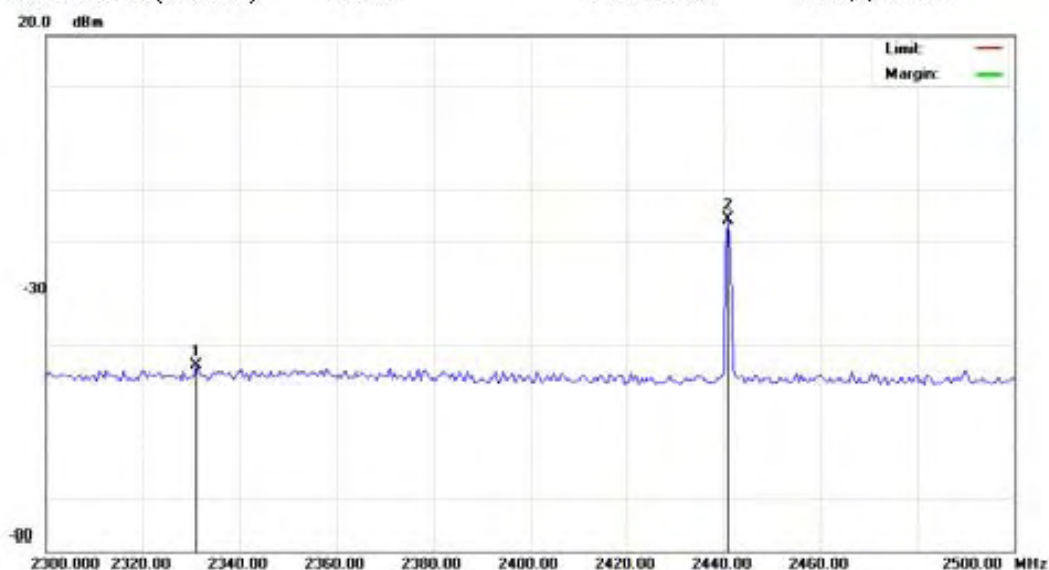
Radiated Emission Measurement

File: BT conducted(12-20-2006)

Data: #8

Date: 2006/12/20

Time: 下午 10:17:44



Site: site #1

Polarization: *Horizontal*

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2441MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2331.000	-44.12	0.00	-44.12			peak	
2	*	2441.000	-15.79	0.00	-15.79			peak	

*: Maximum data x: Over limit !: over margin

• Reference Only

File: BT conducted(12-20-2006) Data: #8

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Gountry 344,Taiwan,

Radiated Emission Measurement

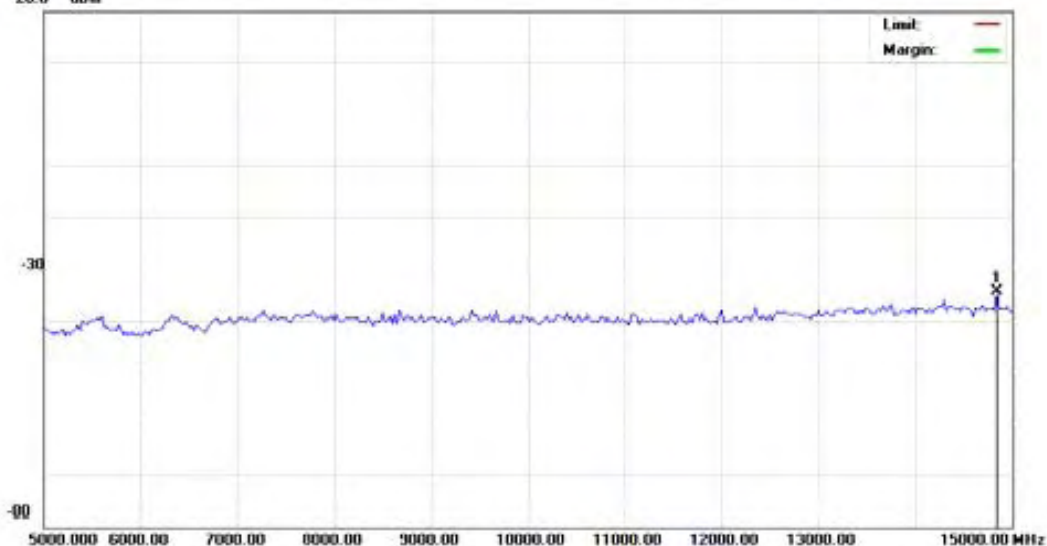
File :BT conducted(12-20-2006)

Data #9

Date : 2006/12/20

Time: 下午 10:17:57

20.0 dBm



Site site #1

Polarization: *Horizontal*

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2441MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Defector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	14850.00	-41.29	6.56	-34.73			peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File :BT conducted(12-20-2006)\Data :#9

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO. 140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan.

Radiated Emission Measurement

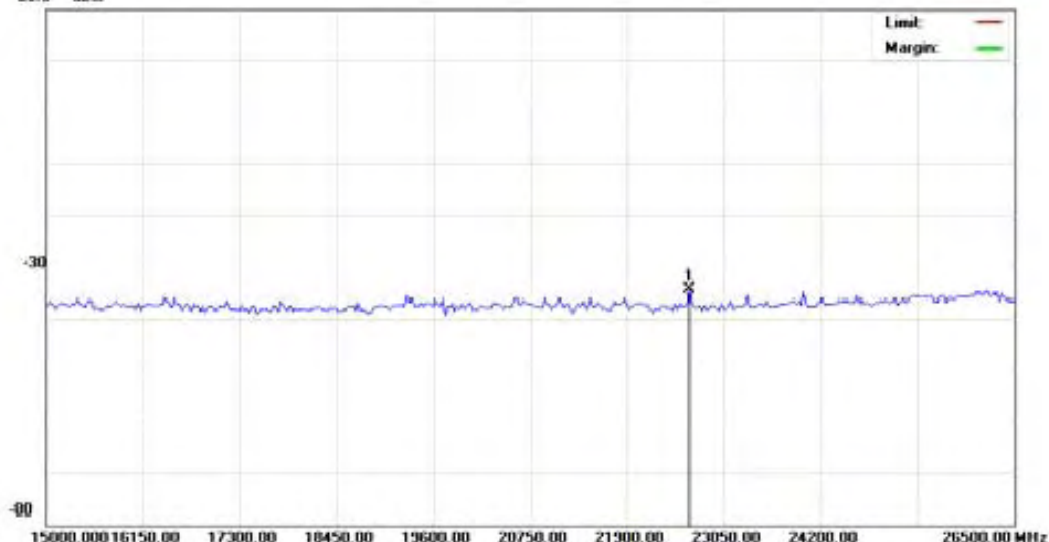
File: BT conducted(12-20-2006)

Data #10

Date: 2006/12/20

Time: 下午 10:18:10

20.0 dBm



Site: site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2441MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	22647.50	-41.40	6.85	-34.55			peak	

*: Maximum data x: Over limit !: over margin

•Reference Only

File: BT conducted(12-20-2006) Data #10

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

Radiated Emission Measurement

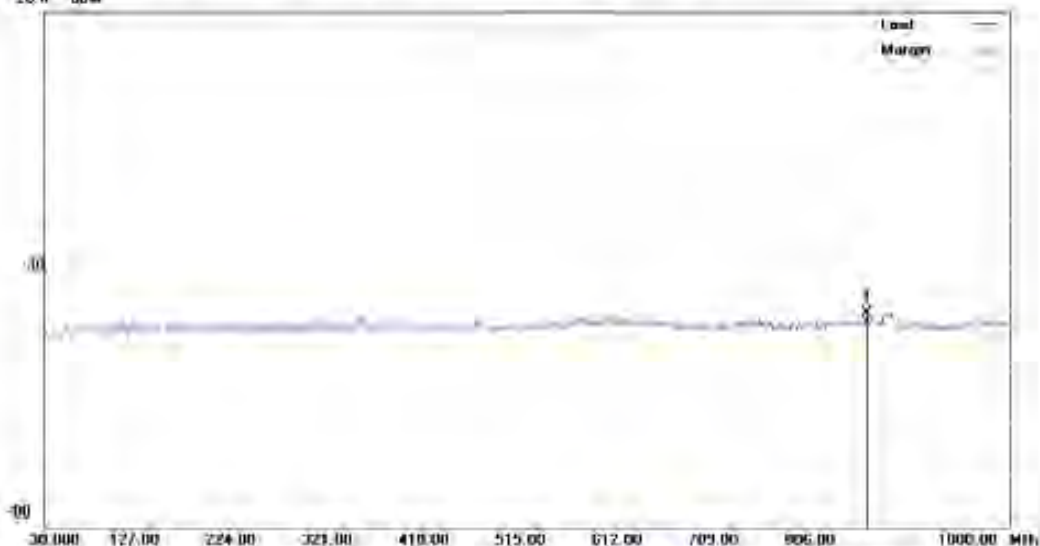
File:BT conducted(12-20-2006)

Data #11

Date: 2006/12/20

Time: 下午 10:19:11

20.00 dBm



Site: site #1

Polarization: *Horizontal*

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2480MHz

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBm	dB	dBm	dBm	dB		
1	*	856.9250	-44.46	-6.03	-38.43			peak	

*Maximum data xOver limit -Lower margin

•Reference Only

File:BT conducted(12-20-2006)Data #11

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan.

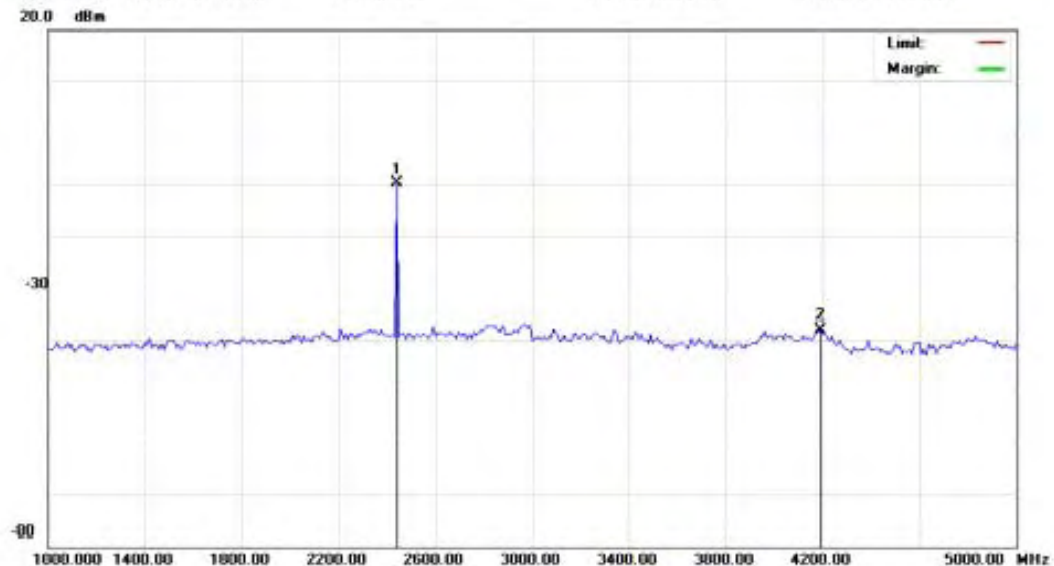
Radiated Emission Measurement

File:BT conducted(12-20-2006)

Data #12

Date: 2006/12/20

Time: 下午 10:19:24



Site: site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2480MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2440.000	-15.84	6.09	-9.75			peak	
2		4190.000	-44.36	6.16	-38.20			peak	

*: Maximum data x: Over limit !: over margin

●: Reference Only

File: BT conducted(12-20-2006)\Data #12

Page: 1

Engineer Signature:

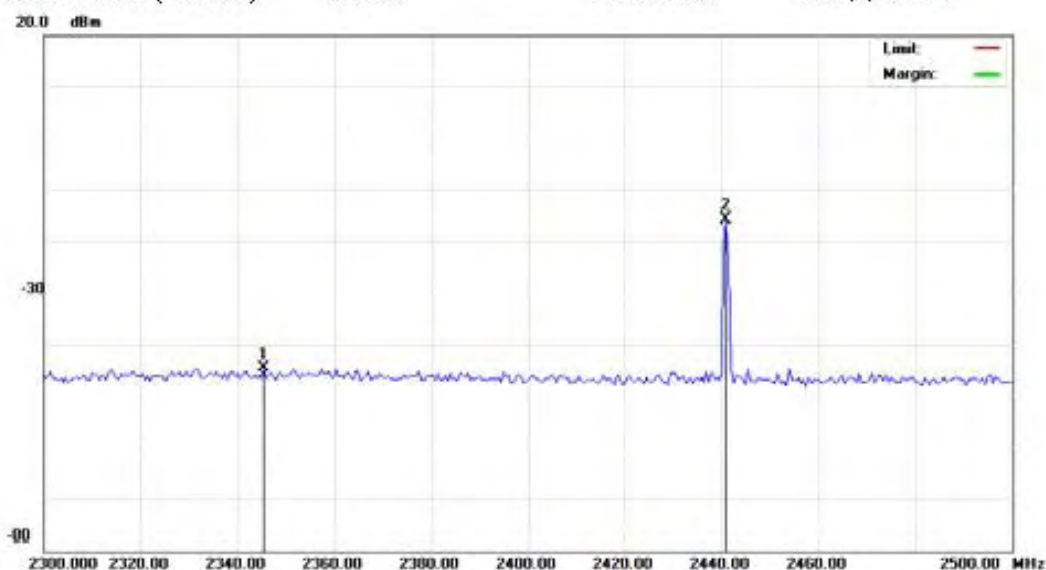
Radiated Emission Measurement

File :BT conducted(12-20-2006)

Data #13

Date: 2006/12/20

Time: 下午 10:19:38



Site site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2480MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Defector	Comment
1		2345.500	-44.51	0.00	-44.51			peak	
2	*	2441.000	-15.76	0.00	-15.76			peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

File :BT conducted(12-20-2006)\Data :#13

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan.

Radiated Emission Measurement

File:BT conducted(12-20-2006)

Data #14

Date: 2006/12/20

Time: 下午 10:19:51

20.0 dBm



Site: site #1

Polarization: *Horizontal*

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M519

Mode:

Note: BT 2480MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	14400.00	-42.57	6.54	-36.03				peak

*: Maximum data x: Over limit !: over margin

■ Reference Only

File:BT conducted(12-20-2006)\Data #14

Page: 1

Engineer Signature:

Radiated Emission Measurement

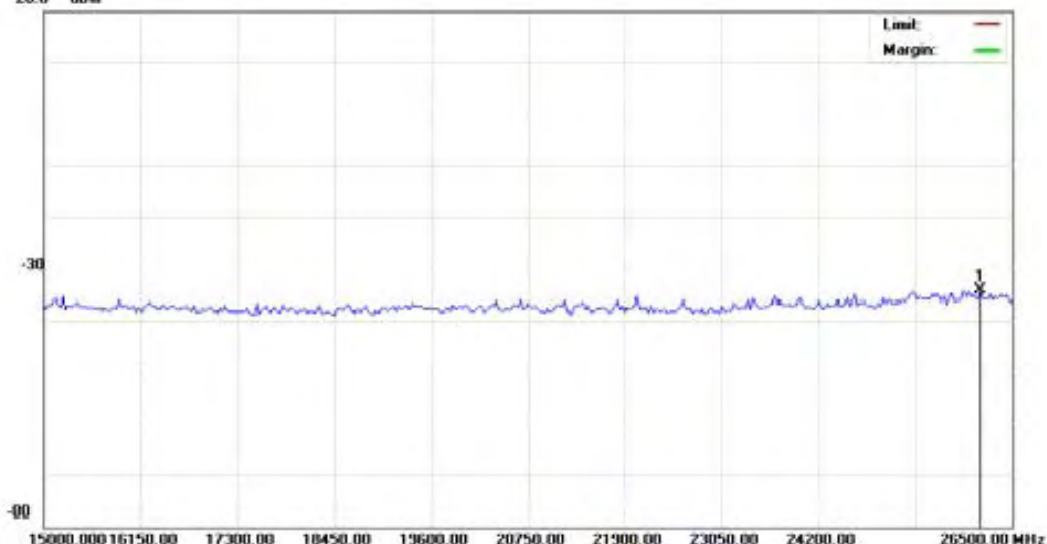
File :BT conducted(12-20-2006)

Data #15

Date : 2006/12/20

Time: 下午 10:20:04

20.0 dBm



Site site #1

Polarization: Horizontal

Temperature: 22 °C

Limit:

Power: AC 110V/60Hz

Humidity: 60 %

EUT: PDA

Distance: 3m

M/N: M619

Mode:

Note: BT 2480MHz

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Defector	Comment
1	*	26126.25	-41.34	6.99	-34.35			peak	

*:Maximum data x:Over limit !:over margin

•Reference Only

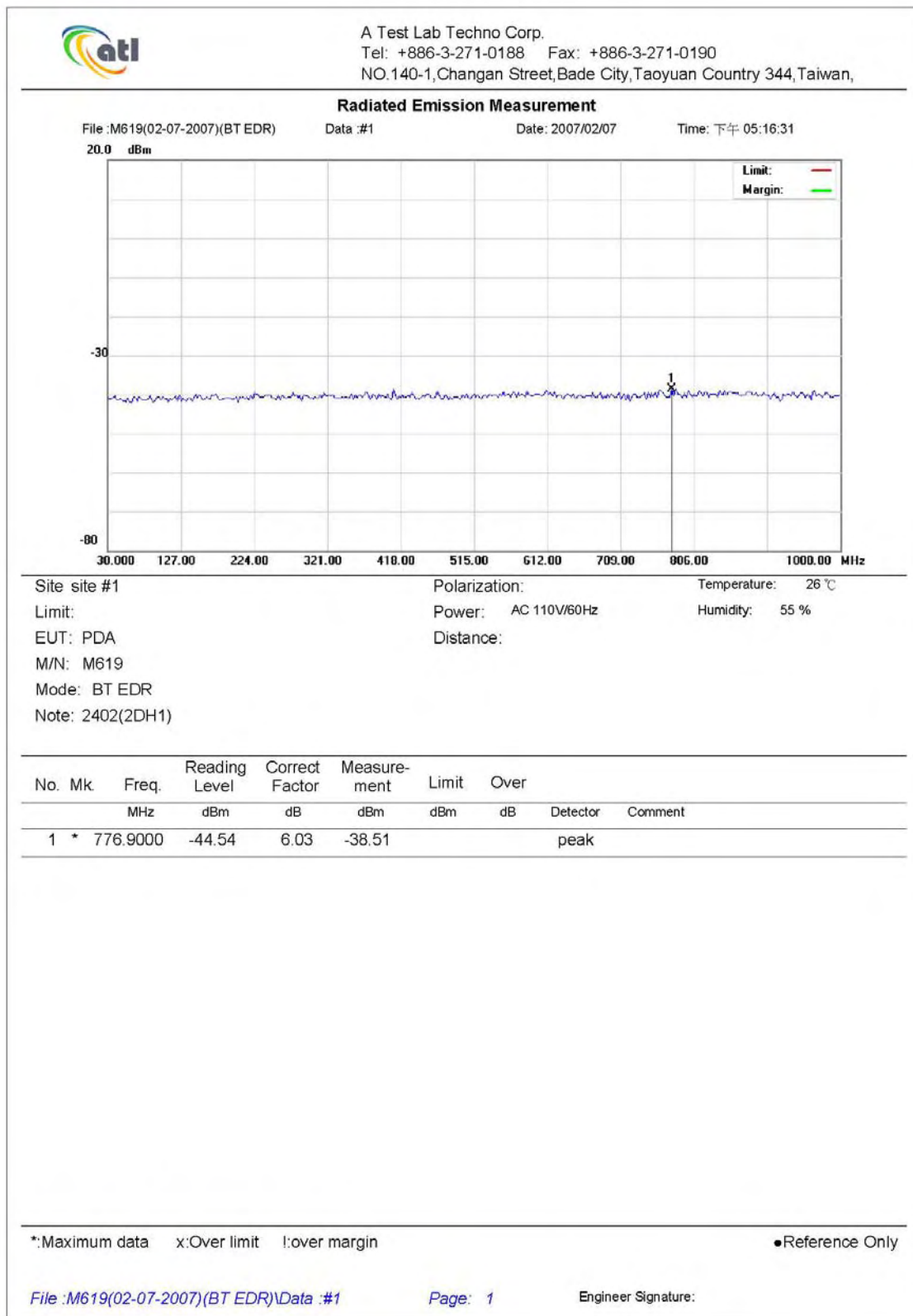
File :BT conducted(12-20-2006)\Data :#15

Page: 1

Engineer Signature:



9.6 Test Graphs _ Bluetooth EDR Mode:





A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

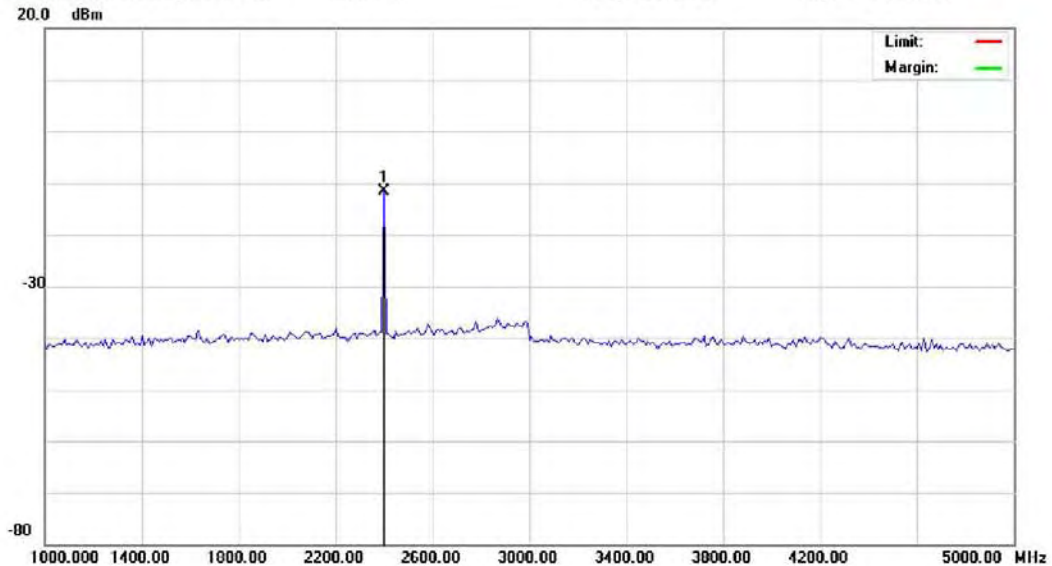
Radiated Emission Measurement

File : M619(02-07-2007)(BT EDR)

Data : #2

Date: 2007/02/07

Time: 下午 05:16:44



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2402(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2400.000	-17.75	6.09	-11.66			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File : M619(02-07-2007)(BT EDR)\Data :#2

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

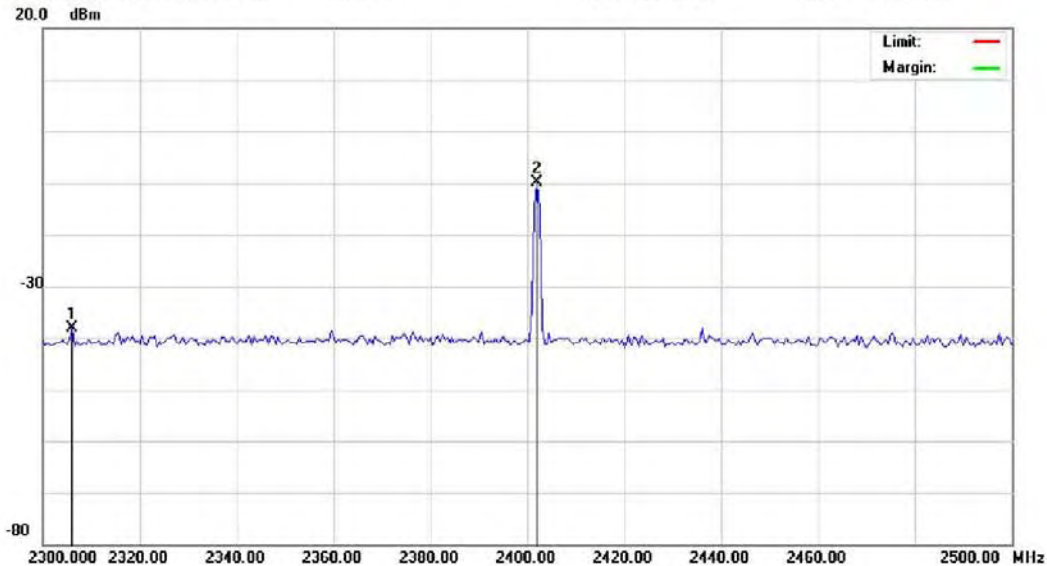
Radiated Emission Measurement

File :M619(02-07-2007)(BT EDR)

Data :#3

Date: 2007/02/07

Time: 下午 05:16:57



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2402(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2306.000	-44.28	6.09	-38.19			peak	
2	*	2402.000	-15.89	6.09	-9.80			peak	

*:Maximum data x:Over limit l:over margin

●Reference Only

File :M619(02-07-2007)(BT EDR)\Data :#3

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

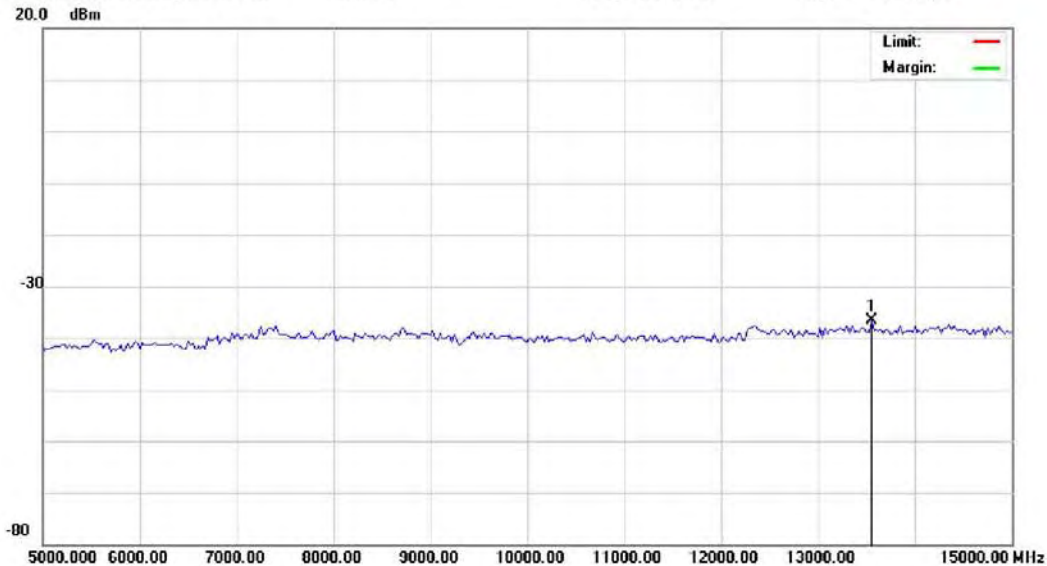
Radiated Emission Measurement

File :M619(02-07-2007)(BT EDR)

Data :#4

Date: 2007/02/07

Time: 下午 05:17:10



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2402(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	13550.00	-43.10	6.51	-36.59			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619(02-07-2007)(BT EDR)\Data :#4

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

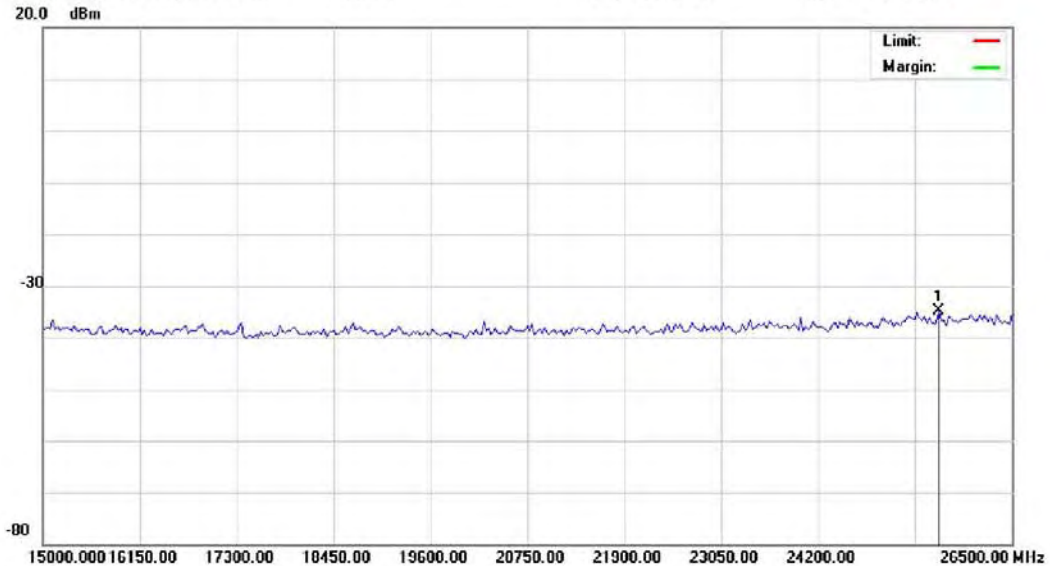
Radiated Emission Measurement

File :M619(02-07-2007)(BT EDR)

Data :#5

Date: 2007/02/07

Time: 下午 05:17:22



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2402(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	25637.50	-41.74	6.97	-34.77			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619(02-07-2007)(BT EDR)\Data :#5

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

Radiated Emission Measurement

File : M619(02-07-2007)(BT EDR)

Data : #6

Date: 2007/02/07

Time: 下午 05:18:40



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2441(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	789.0250	-44.68	6.03	-38.65			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File : M619(02-07-2007)(BT EDR)\Data :#6

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

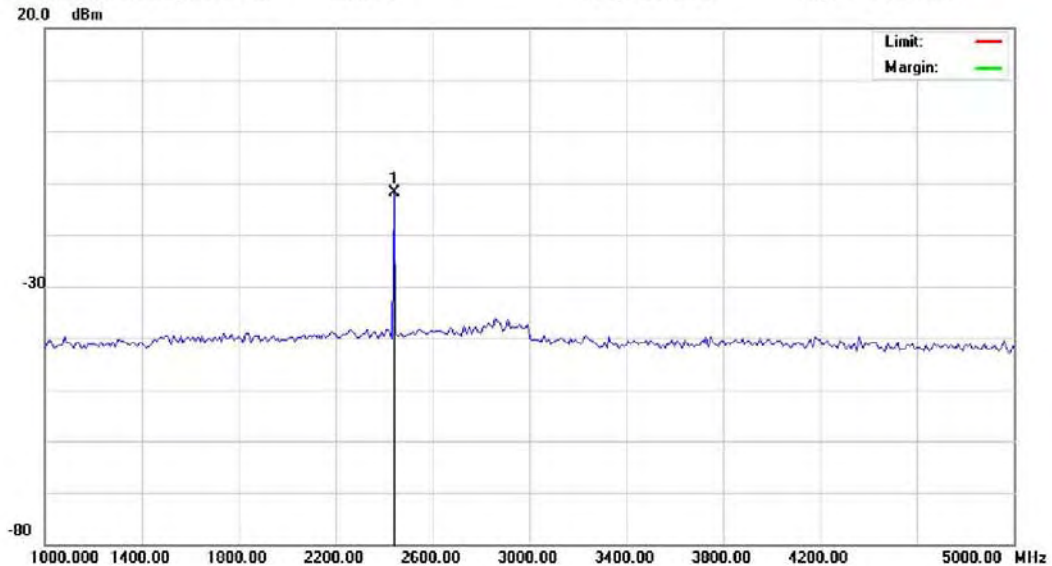
Radiated Emission Measurement

File : M619(02-07-2007)(BT EDR)

Data : #7

Date: 2007/02/07

Time: 下午 05:18:53



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2441(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	2440.000	-18.00	6.09	-11.91			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File : M619(02-07-2007)(BT EDR)\Data : #7

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

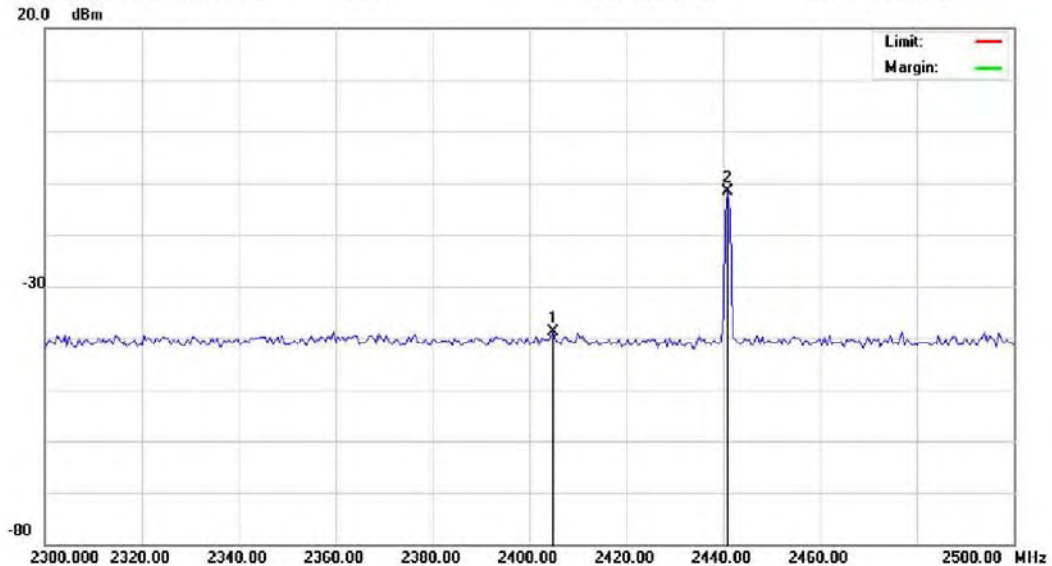
Radiated Emission Measurement

File :M619(02-07-2007)(BT EDR)

Data :#8

Date: 2007/02/07

Time: 下午 05:19:05



Site site #1

Limit:

EUT: PDA

M/N: M619

Mode: BT EDR

Note: 2441(2DH1)

Polarization:

Power: AC 110V/60Hz

Distance:

Temperature: 26 °C

Humidity: 55 %

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1		2405.000	-45.00	6.09	-38.91			peak	
2	*	2441.000	-17.70	6.09	-11.61			peak	

*:Maximum data x:Over limit l:over margin

●Reference Only

File :M619(02-07-2007)(BT EDR)\Data :#8

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1, Changan Street, Bade City, Taoyuan Country 344, Taiwan,

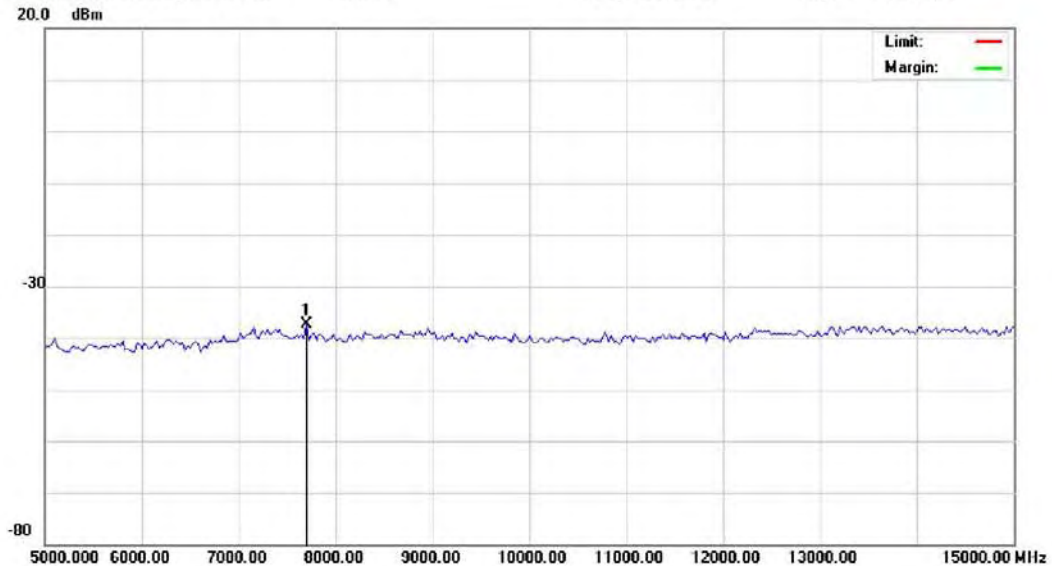
Radiated Emission Measurement

File :M619(02-07-2007)(BT EDR)

Data :#9

Date: 2007/02/07

Time: 下午 05:19:18



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2441(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	7700.000	-43.77	6.29	-37.48			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619(02-07-2007)(BT EDR)\Data :#9

Page: 1

Engineer Signature:



A Test Lab Techno Corp.
Tel: +886-3-271-0188 Fax: +886-3-271-0190
NO.140-1,Changan Street,Bade City,Taoyuan Country 344,Taiwan,

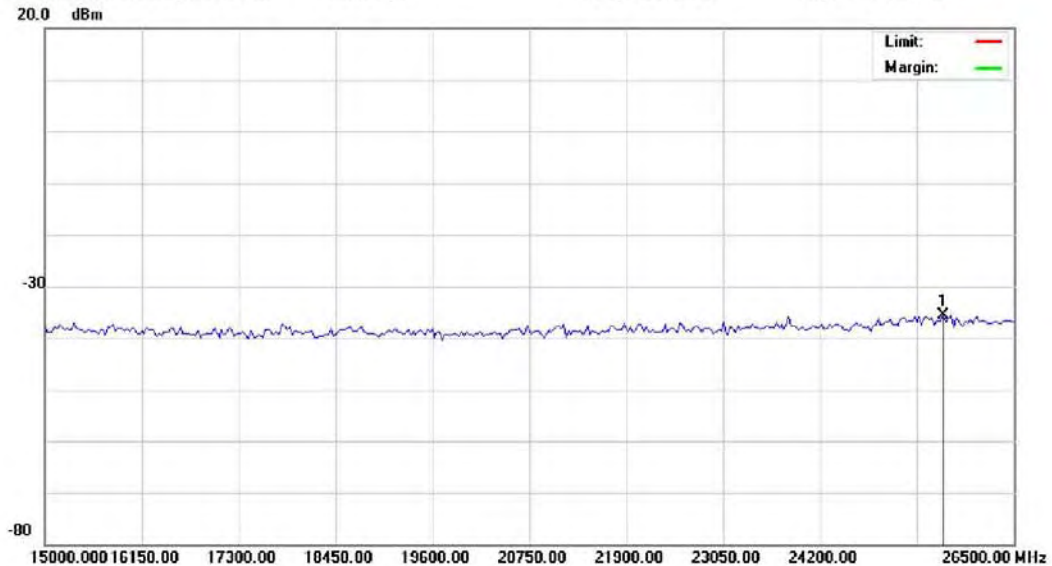
Radiated Emission Measurement

File :M619(02-07-2007)(BT EDR)

Data :#10

Date: 2007/02/07

Time: 下午 05:19:31



Site site #1

Polarization:

Temperature: 26 °C

Limit:

Power: AC 110V/60Hz

Humidity: 55 %

EUT: PDA

Distance:

M/N: M619

Mode: BT EDR

Note: 2441(2DH1)

No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Over dB	Detector	Comment
1	*	25666.25	-42.49	6.97	-35.52			peak	

*:Maximum data x:Over limit !:over margin

●Reference Only

File :M619(02-07-2007)(BT EDR)\Data :#10

Page: 1

Engineer Signature: