



FCC CFR47 PART 90 REQUIREMENT

CERTIFICATION REPORT

FOR

**GSM PCS1900 MHz SELF-CONTAINED GPS DEVICE
WITH BEACON TECHNOLOGY**

MODEL: GT69000F

FCC ID: Q2U-GT69000F

REPORT NUMBER: 03U2055-1

ISSUE DATE: JUNUARY 23, 2004

Prepared for
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1. VERIFICATION OF COMPLIANCE

Inspection Institution: COMPLIANCE CERTIFICATION SERVICES
561F MONTEREY ROAD,
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Applicant: GEOTRAX PROTECTION LLC
Manufacturer: GEOTRAX PROTECTION LLC
Brand Name: Cash Tracker with Beacon Tracking
Model No/Name: GT69000F/ GSM PCS1900 MHz Self-contained GPS Device with Beacon Technology

ITEM	TESTING ITEM	APPLIED SPECIFICATION	TESTING RESULTS	TESTING EQUIPMENT	REMARK
1	Type acceptance required	Section 90.203	Complied	Note 1	
2	Power and Antenna Height Limits	Section 90.205	Complied	Note 1	
3	Types of Emissions	Section 90.207	Complied	Note 1	
4	Emission Bandwidth	Section 90.209	Complied	Note 1	
5	Unwanted Emission	Section 90.210	Complied	Note 1	
6	Frequency Stability	Section 90.213	Complied	Note 1	

Note 1: Please refer to each test section for detailed instrument list.

The above equipment was tested by Compliance Certification Services for compliance with the requirements set forth in the FCC PART 90. The results of testing in this report apply to the product/system, which was tested only. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties. **Warning** : This document reports conditions under which testing was conducted and results of tests performed. This document may not be altered or revised in any way unless done so by Compliance Certification Services and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Compliance Certification will constitute fraud and shall nullify the document.

Tested by:



WILLIAM ZHUANG
EMC ENGINEER
COMPLIANCE CERTIFICATION SERVICES

Approved & Released For CCS By:



THU CHAN
EMC SUPERVISOR
COMPLIANCE CERTIFICATION SERVICES

GENERAL INFORMATION

1.1. PRODUCT DESCRIPTION

- a). Type of EUT: GSM PCS 1900MHz Self-contained GPS Device with Beacon Technology
- b). Brand Name: Cash Tracker with Beacon Tracking
- c). Model No: GT69000F
- d). FCC ID: Q2U-GT69000F
- e). Working Frequency: 217 ~ 220MHz.
- f). Power Supply: 3.2V ~ 4.2V dc
- g). Antenna Gain: 0 dBi (average)

1.2. METHODOLOGY

Both conducted and radiated testing were performed according to the procedures documented in chapter 13 of ANSI C63.4 and FCC CFR 47 2.1046, 2.1047, 2.1049, 2.1051, 2.1053, 2.1055 and 2.1057.

1.3. TEST FACILITY

The open area test sites and conducted measurement facilities used to collect the radiated data are located at 561F Monterey Road, Morgan Hill, California, USA. The sites are constructed in conformance with the requirements of ANSI C63.7, ANSI C63.4 and CISPR Publication 22.

1.4. ACCREDITATION AND LISTING

The test facilities used to perform radiated and conducted emissions tests are accredited by National Voluntary Laboratory Accreditation Program for the specific scope of accreditation under Lab Code:200065-0 to perform Electromagnetic Interference tests according to FCC PART 15 AND CISPR 22 requirements. No part of this report may be used to claim or imply product endorsement by NVLAP or any agency of the US Government. In addition, the test facilities are listed with Federal Communications Commission (reference no: 31040/SIT (1300B3) and 31040/SIT(1300F2))

1.5. MEASURING INSTRUMENT CALIBRATION

The measuring equipment which was utilized in performing the tests documented herein has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment which is traceable to recognized national standards.

2. REQUIREMENTS OF PROVISION

2.1. GENERAL TECHNICAL REQUIREMENTS

- a). Section 90.205 – Maximum ERP <= 2W
- b). Section 90.207 – Emission Type shall be P1D
- c). Section 90.209 – Emission Bandwidth shall less than 6.25 KHz
- d). Section 90.210 – Unwanted Radiation

According to CFR 47 section 90.210(c), the power of each unwanted emission shall be less than Transmitted Power as specified below:

- 1). On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) of more than 5 KHz, but not more than 10KHz: At least $83 \log (f_d/5)$ dB.
- 2). On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) by more than 10 KHz, but not more than 250 percent of the authorized bandwidth: At least $29 \log (f_d^2/11)$ dB or 50dB, which is the lesser attenuation;
- 3). At least $43 + 10 \log_{10}(TP)$ dB on any frequency removed from the center of the authorized bandwidth by more than 250%.
- e). Section 90.213(a) – Frequency Tolerance less than 0.0001%
- f). Section 2.1047 – Modulation Characteristic

2.2. LABELING REQUIREMENT

Each equipment for which a type acceptance application is filed on or after May 1, 1981 shall bear an identification plate or label pursuant to section 2.925 (Identification of equipment) and section 2.926 (FCC Identifier).

2.3. USER INFORMATION

The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for the compliance could void the user's authority to operate the equipment.

3. OUTPUT POWER MEASUREMENT

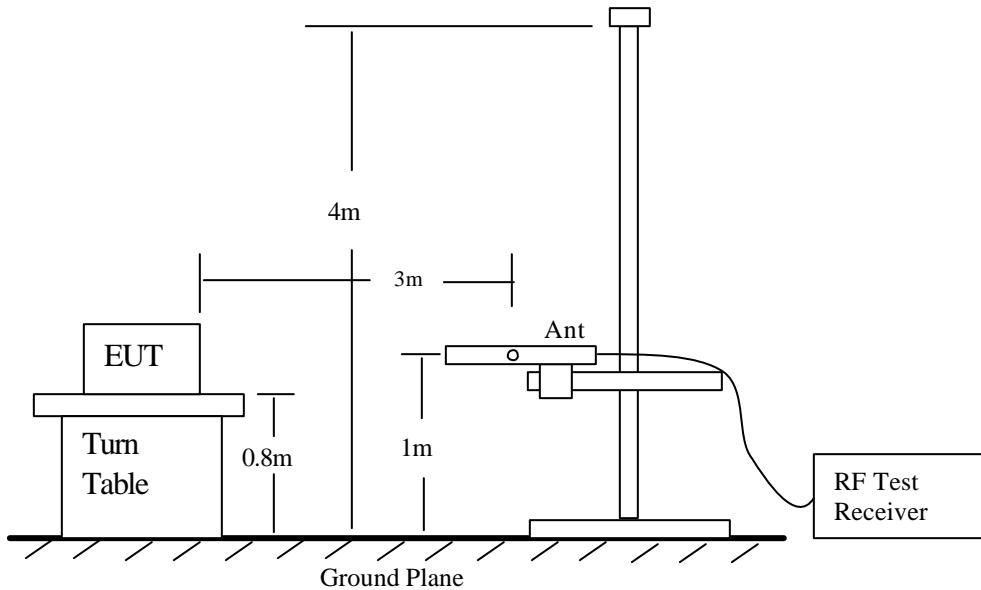
3.1. PROVISION APPLICABLE

According to section 90.205 & 90.259 – the output power shall not exceed 2 W ERP @ 3 km service area radius.

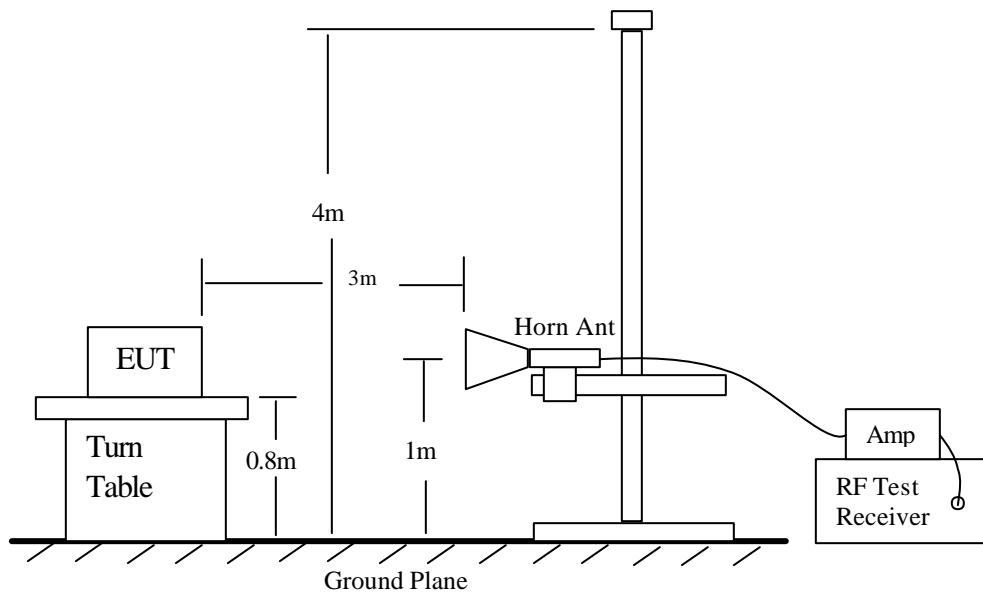
3.2. MEASUREMENT METHOD

- 1). On a test site, the EUT shall be placed on a turntable, and in the position closest to the normal use as declared by the user.
- 2). The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the frequency of the transmitter.
- 3). The output of the test antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- 4). The transmitter shall be placed 0.80 meter above the ground plane, the X, Y, and Z positions shall be tested and the worst case reported. The transmitter shall be switched on with typical modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- 5). The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- 6). The transmitter shall than be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- 7). The test antenna shall be raised and lowered again through the specified range of height until a maximum signal level is detected by the measuring receiver.
- 8). The maximum signal level detected by the measuring receiver shall be noted.
- 9). The transmitter shall be replaced by a tuned dipole / horn (substitution antenna).
- 10). The substitution antenna shall be oriented for vertical polarization and the length of the substitution antenna shall be adjusted to correspond to the frequency of the transmitter.
- 11). The substitution antenna shall be connected to a calibrated signal generator.

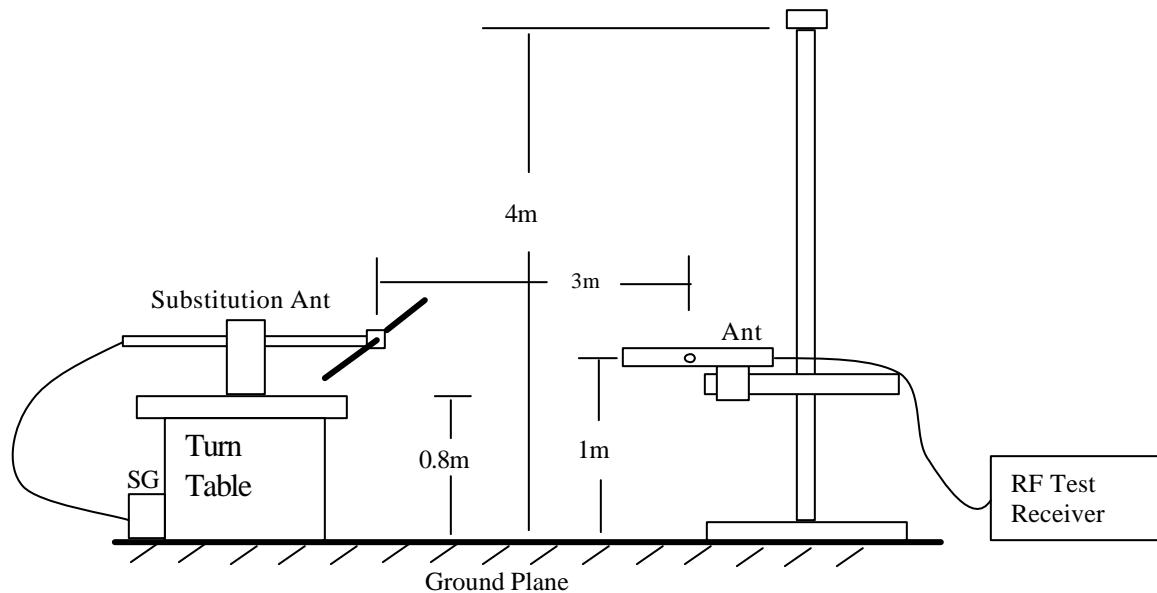
- 12). If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- 13). The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- 14). The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- 15). The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- 16). The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.
- 17). The measure of the effective radiated power is the larger of the two levels recorded, at the input to the substitution antenna, corrected for the gain of the substitution antenna if necessary.



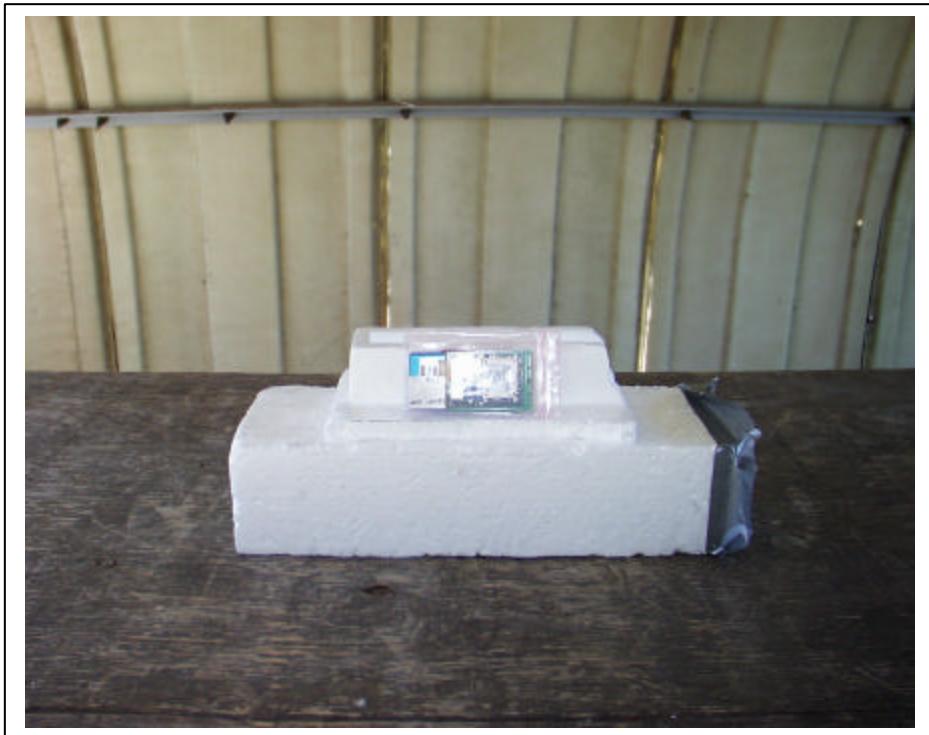
Radiated Emission Measurement 30 to 1000 MHz



Radiated Emission Above 1000 MHz



Radiated Emission – Substitution Method setup



3.3. MEASUREMENT INSTRUMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	CAL. DUE DATE
Spectrum Analyzer	Agilent	E4446A	6/11/04
RF Synthesizer	HP	83732B	4/4/04
Amplifier	MITEQ	NSP2600-44	4/25/04
LP Antenna	EMCO	3146	3/6/04
Adjustable Dipole	EMC Test Systems	3121C	5/26/04

3.4. MEASUREMENT RESULT

COMPLIANCE Certification Services		<p>Project #: <u>03U2055-1</u> Report #: <u>012104A1</u> Date & Time: <u>01/21/04 9:27 AM</u> Test Engr: <u>William Zhuang</u></p>							
FCC, VCCI, CISPR, CE, AUSTEL, NZ UL, CSA, TUV, BSMI, DHHS, NVLAP									
561F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0885 FAX: (408) 463-0888									
<p>Company: <u>GEOTRAX</u> EUT Description: <u>Self-contained radio beacon device</u> Test Configuration : <u>EUT stand alone</u> Type of Test: <u>FCC Part 90</u> Mode of Operation: <u>Transmitting</u></p>									
Freq. (MHz)	SA Reading (dBuV)	SG Setting (dBm)	Ant Gain (dBi)	Dipole Gain (dBd)	Cable Loss (dB)	ERP Result (dBm)	Limit (dBm)	Margin (dBm)	Pol (H/V)
Transmitting Mode @ Y-Worst Position:									
Fundamental measurement:									
Low Channel:									
217.00	72.45	-9.56	0.00	0.00	0.30	-9.86	33.00	-42.86	3mV
217.00	82.82	-7.08	0.00	0.00	0.30	-7.38	33.00	-40.38	3mH
Mid Channel:									
218.50	70.82	-11.19	0.00	0.00	0.30	-11.49	33.00	-44.49	3mV
218.50	83.00	-6.90	0.00	0.00	0.30	-7.20	33.00	-40.20	3mH
Hi Channel:									
220.00	72.30	-9.71	0.00	0.00	0.30	-10.01	33.00	-43.01	3mV
220.00	83.78	-6.12	0.00	0.00	0.30	-6.42	33.00	-39.42	3mH
RBW=VBW=1MHz									
V.2c									

4. MODULATION CHARACTERISTICS

Not applicable, the EUT transmits data only, not an audio signal.

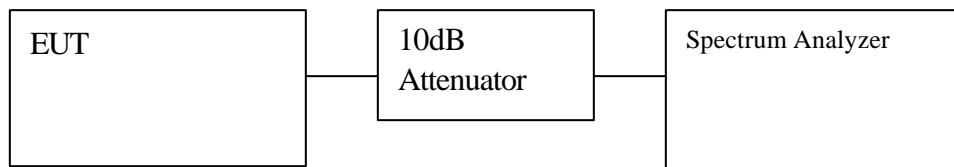
5. EMISSION BANDWIDTH

5.1. PROVISIONS APPLICABLE

According to CFR 47 section 90.209, the authorized bandwidth for emission type of AP0 unit is 6.25 KHz.

5.2. MEASUREMENT METHOD

The transmitter output is connected to the spectrum analyzer. The RBW is set to 1% of the Emission bandwidth. The VBW is set to 3 times the RBW. The sweep time is coupled.





5.3. MEASUREMENT INSTRUMENT

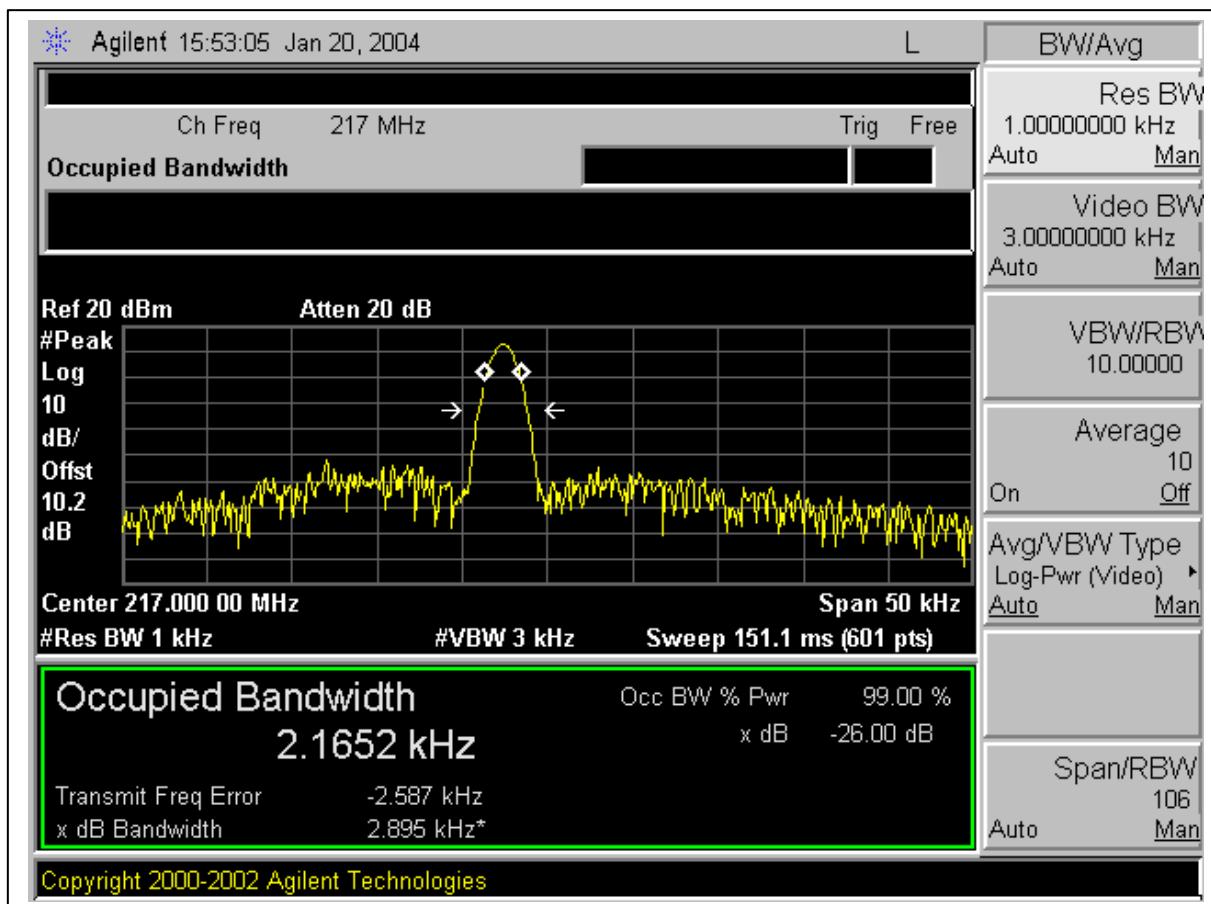
EQUIPMENT	MANUFACTURE	MODEL NO.	CAL. DUE DATE
Spectrum Analyzer 20 Hz ~ 44 GHz	Agilent	E4446A	6/11/04
10dB Attenuator	Agilent	8493C	N/A

5.4. MEASUREMENT RESULT

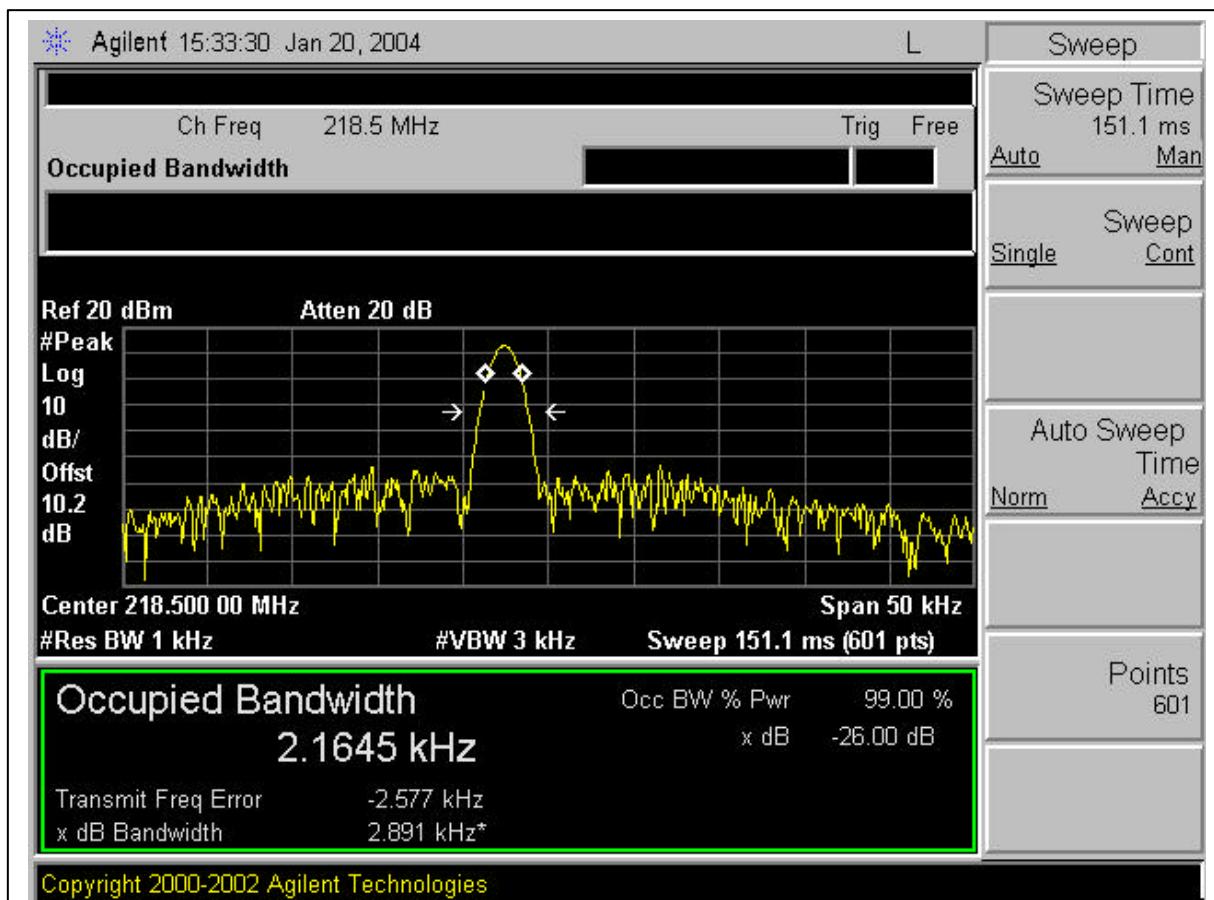
No non-compliance noted:

Channel	Frequency (MHz)	26dB BW (KHz)
Low	217.0	2.895
Middle	218.5	2.891
High	220.0	2.890

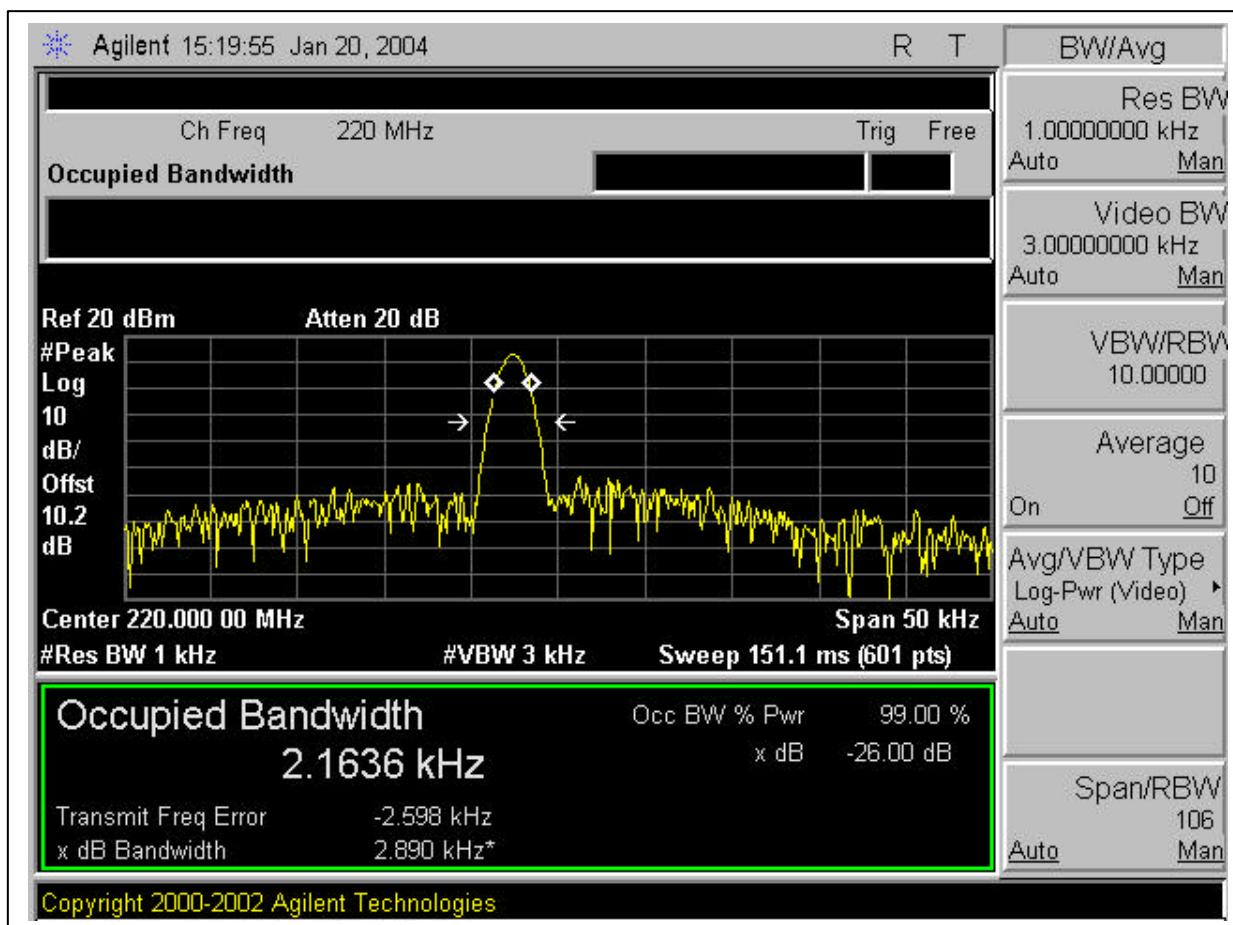
26dB BANDWIDTH (Low Channel)



26dB BANDWIDTH (Mid Channel)



26dB BANDWIDTH (High Channel)



6. FIELD STRENGTH OF SPURIOUS EMISSION

6.1. PROVISIONS APPLICABLE

According to CFR47 section 2.1053(a), Measurement shall be made to detect spurious emission that may be radiated directly from the cabinet, control circuits, power leads or intermediate circuit element under normal condition of installation and operation. Information submitted shall include the relative radiated power of spurious emission with reference to the rated power output of the transmitter,

According to CFR 47 section 90.210(c), the power of each unwanted emission shall be less than Transmitted Power as specified below:

- 1). On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) of more than 5 KHz, but not more than 10KHz: At least $83 \log (f_d/5)$ dB.
- 2). On any frequency removed from the center of the authorized bandwidth by a displacement frequency (f_d in KHz) by more than 10 KHz, but not more than 250 percent of the authorized bandwidth: At least $29 \log (f_d^2/11)$ dB or 50dB, which is the lesser attenuation;
- 3). At least $43+10 \log_{10}(TP)$ dB on any frequency removed from the center of the authorized bandwidth by more than 250%.

6.2. MEASUREMENT METHOD

--- For Frequency Range From 30 to 1000 MHz ---

- 1). On a test site, the EUT shall be placed on a turntable, and in the position closest to the normal use as declared by the user.
- 2). The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the frequency of the transmitter.
- 3). The output of the test antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- 4). The transmitter shall be switched on, if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- 5). The test antenna shall be raised and lowered through the specified range of height until a maximum signal level is detected by the measuring receiver.
- 6). The transmitter shall than be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.

- 7). The test antenna shall be raised and lowered again through the specified range of height until a maximum signal level is detected by the measuring receiver.
- 8). The maximum signal level detected by the measuring receiver shall be noted.
- 9). The measurement shall be repeated with the test antenna set to horizontal polarization.

--- For Frequency Above 1000 MHz ---

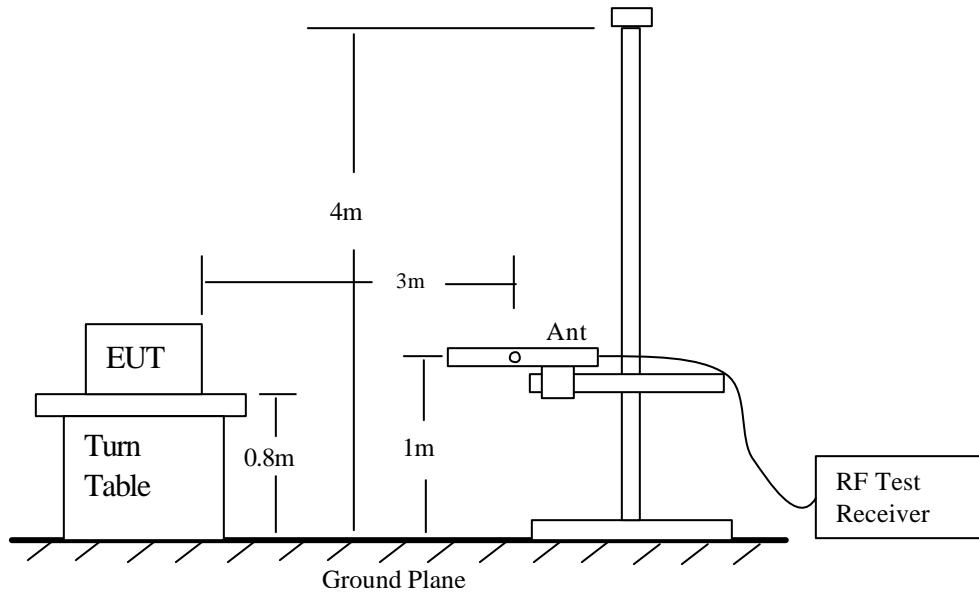
- 10). Repeat procedures 1 to 9 with a proper Antenna (i.e. Horn antenna for 1 to 26 GHz)
- 11). After down with step 10. Replace the transmitter with a proper Antenna (substitution antenna).
- 12). The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of the transmitter.
- 13). The substitution antenna shall be connected to a calibrated signal generator.
- 14). If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- 15). The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- 16). The input signal to the substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured in step 10, corrected for the change of input attenuation setting of the measuring receiver.
- 17). The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- 18). The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.

6.3. MEASUREMENT INSTRUMENT

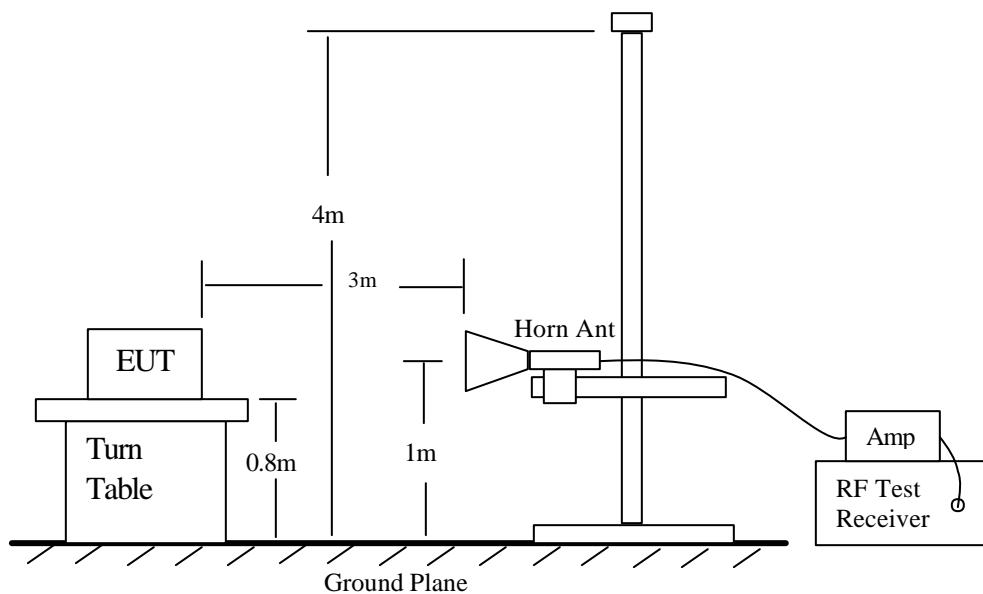
EQUIPMENT	MANUFACTURE	MODEL NO.	CAL. DUE DATE
Spectrum Analyzer	HP	8593EM	6/11/04
Amplifier	MITEQ	NSP2600-44	4/25/04
Signal Generator, 10 MHz ~ 20 GHz	HP	83732B	4/4/04
Bicon Antenna	Eaton	94455-1	3/6/04
LP Antenna	EMCO	3146	3/6/04
Adjustable Dipole	EMC Test Systems	3121C	5/26/04
Tx Horn Antenna	EMCO	3115	2/4/04
Rx Horn Antenna	EMCO	3115	2/4/04

Detector Function Setting of Test Receiver

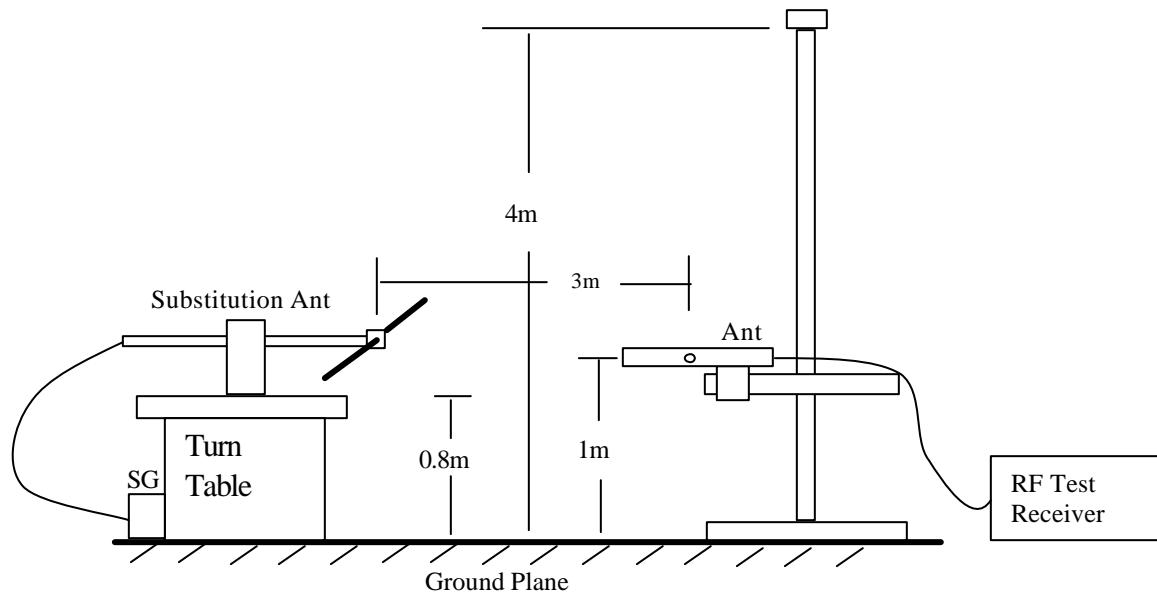
Frequency Range (MHz)	Detector Function	Resolution Bandwidth	Video Bandwidth
30 to 1000	Quasi Peak/Peak	120 KHz/100 KHz	120 KHz/100 KHz
Above 1000	Average/ Peak	1 MHz	1 MHz



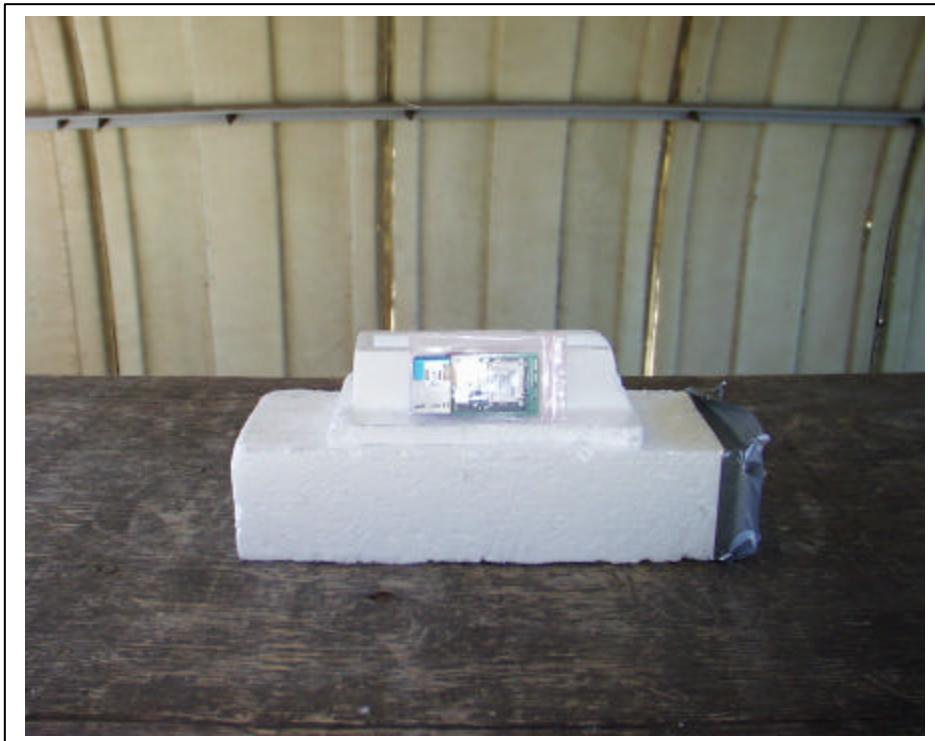
Radiated Emission Measurement 30 to 1000 MHz



Radiated Emission Above 1000 MHz

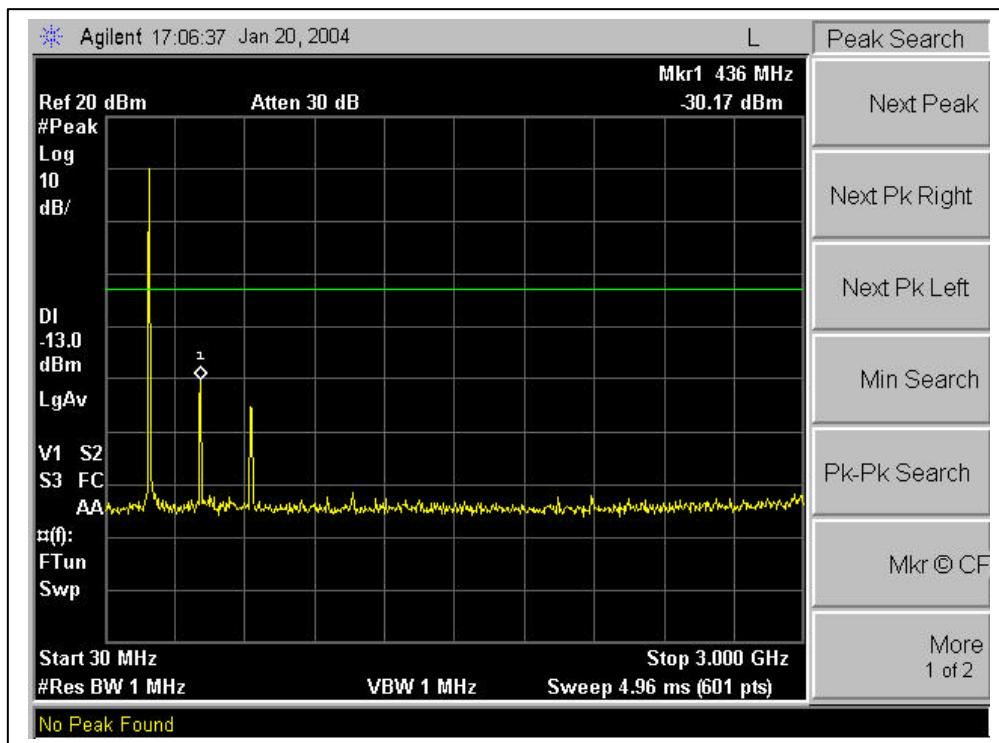


Radiated Emission – Substitution Method setup

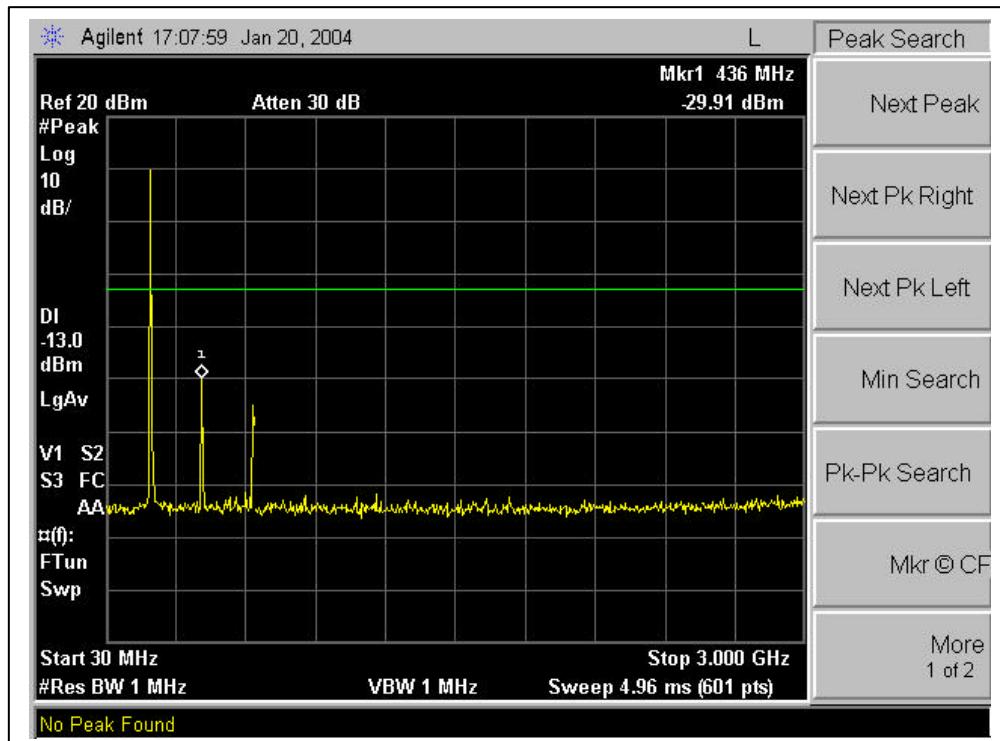
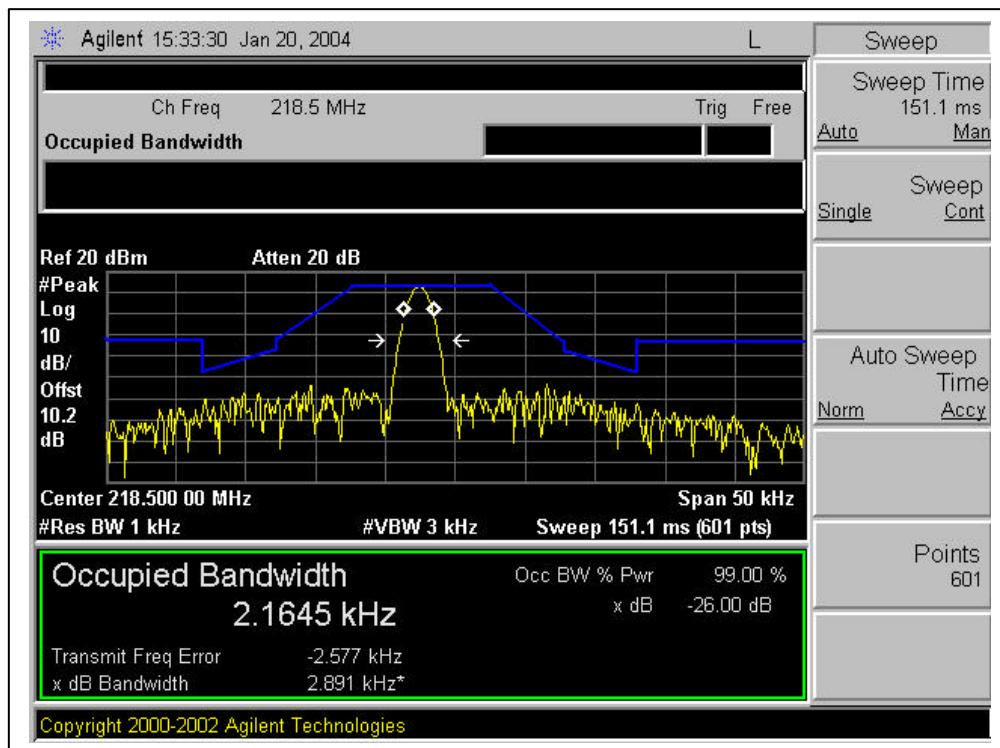


6.4. MEASUREMENT RESULT

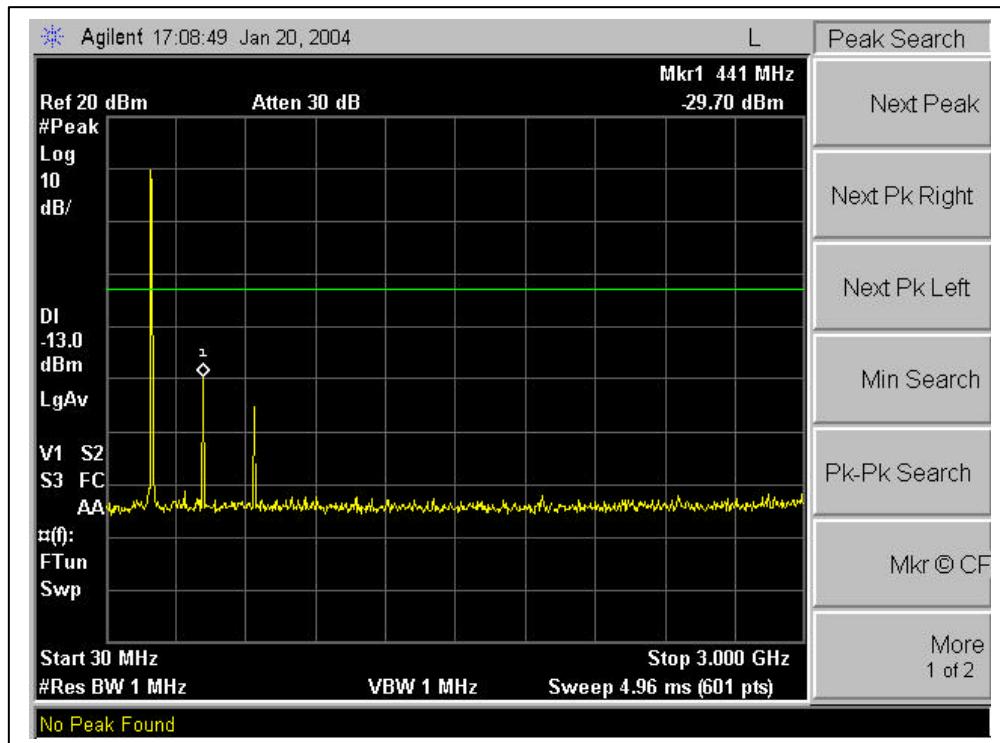
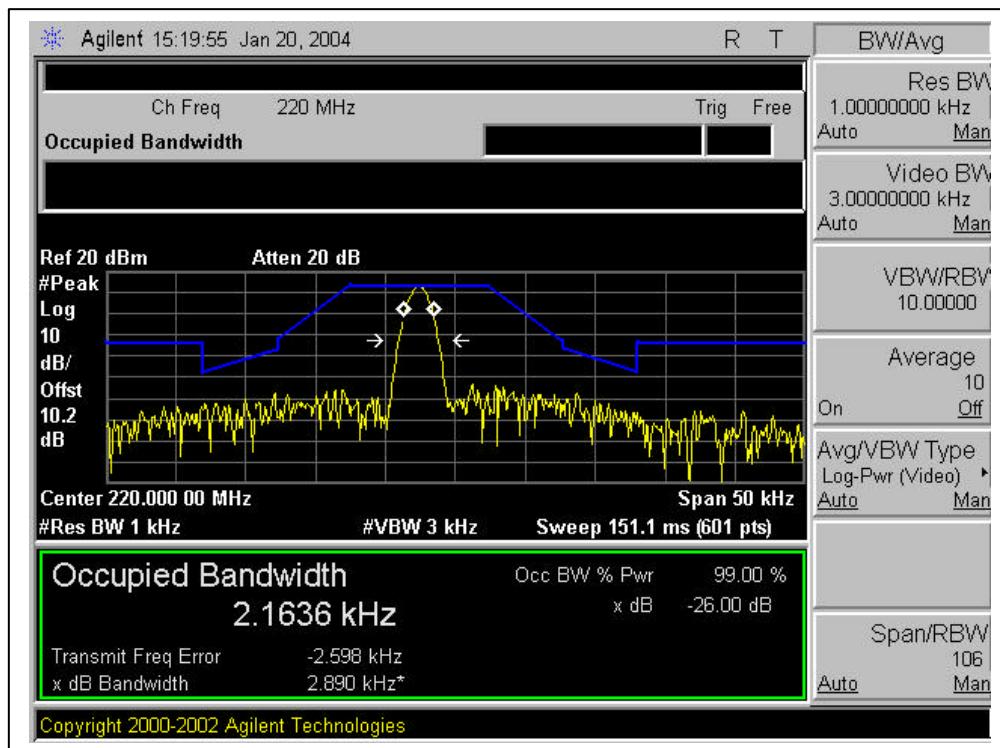
Low Channel, Emission Masks & Out-Of-Band:



Mid Channel, Emission Masks & Out-Of-Band:



High Channel, Emission Masks & Out-Of-Band:





FCC, VCCI, CISPR, CE, AUSTEL, NZ
UL, CSA, TUV, BSMI, DHHS, NVLAP

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Project #: 03U2055-1

Report #: 012104A1

Date & Time: 01/21/04 9:27 AM

Test Engr: William Zhuang

Company: GEOTRAX

EUT Description: Self-contained radio beacon device

Test Configuration: EUT stand alone

Type of Test: FCC Part 90

Mode of Operation: Transmitting

Freq. (MHz)	SA Reading (dBuV)	SG Setting (dBm)	Ant Gain (dBi)	Dipole Gain (dBd)	Cable Loss (dB)	ERP Result (dBm)	Limit (dBm)	Margin (dBm)	Pol (H/V)
Transmitting Mode @ Worst Position:									
Spurious & Harmonics up to 1 GHz:									
Low Channel:									
434.00	55.57	-15.71	0.00	0.00	0.50	-16.21	-13.00	-3.21	3mV
651.00	40.74	-27.77	0.00	0.00	0.80	-28.57	-13.00	-15.57	3mV
868.00	40.92	-27.14	0.00	0.00	1.00	-28.14	-13.00	-15.14	3mV
434.00	67.06	-14.76	0.00	0.00	0.50	-15.26	-13.00	-2.26	3mH
651.00	51.84	-19.17	0.00	0.00	0.80	-19.97	-13.00	-6.97	3mH
868.00	40.87	-27.35	0.00	0.00	1.00	-28.35	-13.00	-15.35	3mH
Mid Channel:									
437.00	57.62	-13.66	0.00	0.00	0.50	-14.16	-13.00	-1.16	3mV
655.50	36.12	-32.39	0.00	0.00	0.80	-33.19	-13.00	-20.19	3mV
874.00	51.07	-16.99	0.00	0.00	1.00	-17.99	-13.00	-4.99	3mV
437.00	68.19	-13.63	0.00	0.00	0.50	-14.13	-13.00	-1.13	3mH
655.50	46.96	-24.05	0.00	0.00	0.80	-24.85	-13.00	-11.85	3mH
874.00	36.78	-31.44	0.00	0.00	1.00	-32.44	-13.00	-19.44	3mH
High Channel:									
440.00	57.59	-13.69	0.00	0.00	0.50	-14.19	-13.00	-1.19	3mV
660.00	37.64	-30.87	0.00	0.00	0.80	-31.67	-13.00	-18.67	3mV
880.00	77.26	-18.26	0.00	0.00	1.00	-19.26	-13.00	-6.26	3mV
440.00	67.74	-14.08	0.00	0.00	0.50	-14.58	-13.00	-1.58	3mH
660.00	43.53	-27.48	0.00	0.00	0.80	-28.28	-13.00	-15.28	3mH
880.00	70.68	-17.24	0.00	0.00	1.00	-18.24	-13.00	-5.24	3mH
V.2c									

01/21/04 High Frequency Substitution Measurement Compliance Certification Services, Morgan Hill Open Field Site									
Test Engr: William Zhuang Project #:03U2055 Company:GEOTRAX EUT Descrip.:Self-contained radio beacon device EUT M/N:Cash Tracker Test Target:FCC Part 90 Mode Oper:Transmitting, Mid Ch.									
Test Equipment:									
EMCO Horn 1-18GHz T73: S/N: 6717 @ 1m	Pre-amplifier 1-26GHz	Spectrum Analyzer Agilent E4446A Analyzer	Horn > 18GHz	Limit ERP					
Hi Frequency Cables <input type="checkbox"/> (2 ft) <input type="checkbox"/> (2 ~ 3 ft) <input type="checkbox"/> (4 ~ 6 ft) <input checked="" type="checkbox"/> (12 ft)		Peak Measurements: Fundamental: RBW>99% or 26dB Emissions BW VBW=RBW Bandedge: RBW=>1% Emissions BW VBW=>3*RBW Spurious: RBW=1MHz VBW=1MHz							
f GHz	SA reading (dBuV)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)	Notes
1.092	52.4	-25.6	1.9	6.3	4.2	-23.3	-13.0	-10.3	V
1.092	52.1	-23.5	1.9	6.3	4.2	-21.2	-13.0	-8.2	H
1.311	43.8	-34.7	2.0	6.6	4.5	-32.1	-13.0	-19.1	V
1.311	47.1	-31.1	2.0	6.6	4.5	-28.5	-13.0	-15.5	H
1.530	51.6	-24.3	2.1	7.0	4.8	-21.6	-13.0	-8.6	V
1.530	49.7	-28.9	2.1	7.0	4.8	-26.1	-13.0	-13.1	H
No more signal found above 1 GHz									

7. FREQUENCY STABILITY MEASUREMENT

7.1. PROVISIONS APPLICABLE

- a). According to CFR 47 section 1055(a)(1), the frequency stability shall be measured with variation of ambient temperature from -30°C to +50°C centigrade.
- b). According to CFR 47 section 1055(d)(2), for hand carried battery powered equipment, the frequency stability shall be measured with reducing primary supply voltage to the battery operating end point, which is specified by the manufacturer.
- c). According to CFR 47 section 90.213, the unit must be maintained within a frequency tolerance of 0.0001%.

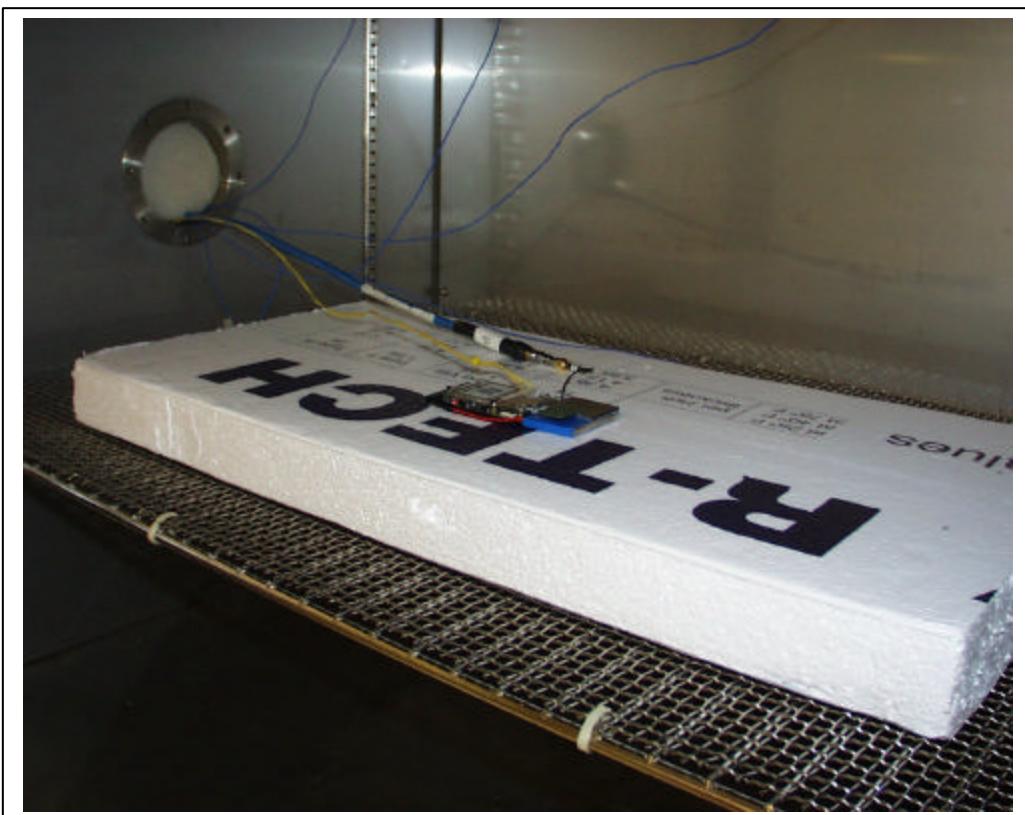
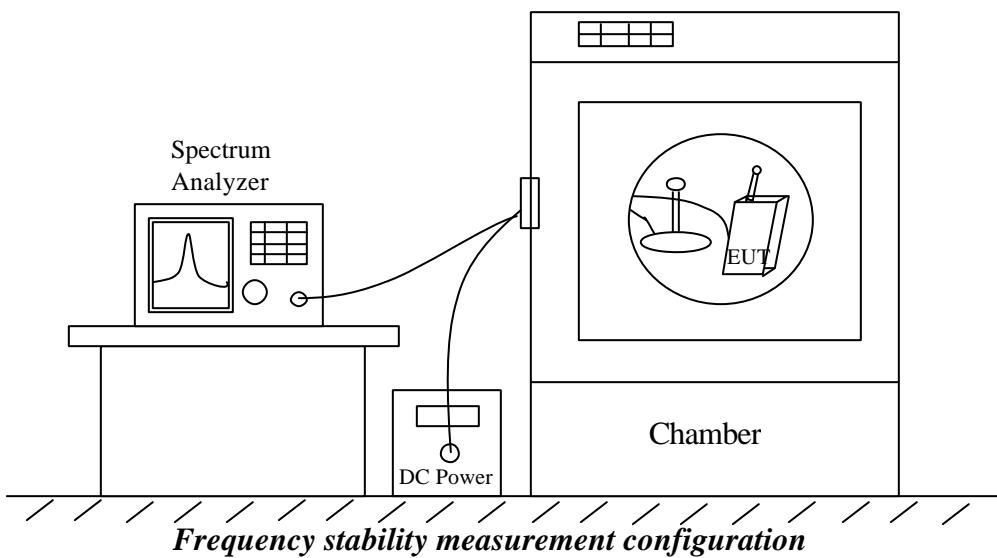
7.2. MEASUREMENT METHOD

7.2.1. Frequency stability versus environmental temperature

- 1). Setup the configuration as shown below for frequencies measurement inside an environmental chamber. Install new battery in the EUT.
- 2). Turn on EUT and set SA center frequency to the EUT radiated frequency. Set SA Resolution Bandwidth to 10 KHz and Video Resolution Bandwidth to 100 KHz and Frequency Span to 100 KHz. Record this frequency as reference frequency.
- 3). Set the temperature of chamber to 50°C. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize. While maintaining a constant temperature inside the chamber, turn the EUT on and measure the EUT operating frequency.
- 4). Repeat step 2 with a 10°C decreased per stage until the lowest temperature -30°C is measured, record all measured frequencies on each temperature step.

7.2.2. Frequency stability versus input voltage

- 1). Setup the configuration as shown below for frequencies measured at temperature if it is within 15°C to 25°C. Otherwise, an environmental chamber set for a temperature of 20°C shall be used. Install new battery in the EUT.
- 2). Set SA center frequency to the EUT radiated frequency. Set SA Resolution Bandwidth to 10 KHz and Video Resolution Bandwidth to 100 KHz and Frequency Span to 100 KHz. Record this frequency as reference frequency.
- 3). For battery operated only device, supply the EUT primary voltage at the operating end point which is specified by manufacturer and record the frequency.



7.3. MEASUREMENT INSTRUMENT

EQUIPMENT	MANUFACTURE	MODEL NO.	CAL. DUE DATE
Spectrum Analyzer	Agilent	E4446A	6/11/04
Environmental Chamber	Thermotron	SE 600-10-10	4/26/04
10dB Attenuator	Agilent	8493C	N/A

7.4. MEASUREMENT RESULT

Reference Frequency: CW Mid Channel 218.50MHz @ 25°C Limit: to stay ± 1 ppm = 218.497 Hz				
Power Supply (Vdc)	Environment Temperature (°C)	Frequency Deviation Measured with Time Elapse		
		(MHz)	Delta (ppm)	Limit (ppm)
3.70	50	218.497413	0.17	± 1
3.70	40	218.497413	0.17	± 1
3.70	30	218.497400	0.23	± 1
3.70	25	218.497450	0.00	± 1
3.70	20	218.497462	-0.05	± 1
3.70	10	218.497425	0.11	± 1
3.70	0	218.497475	-0.11	± 1
3.70	-10	218.497450	0.00	± 1
3.70	-20	218.497437	0.06	± 1
3.70	-30	218.497365	0.39	± 1
3.00 (end point)	25	218.497345	0.48	± 1
3.15	25	218.497350	0.46	± 1
4.25	25	218.497413	0.17	± 1

8. TRANSIENT FREQUENCY BEHAVIOR

Not applicable, an operating frequency of EUT is not fall in the range of requirement.

9. APPENDIX

EXHIBIT 1: **User Manual**

EXHIBIT 2: **EUT External Photos**

EXHIBIT 3: **EUT Internal Photos**

EXHIBIT 4: **Schematic**

EXHIBIT 5: **Block Diagram**

EXHIBIT 6: **Operational Description**

EXHIBIT 7: **Report of Measurements**

EXHIBIT 8: **Setup photo**

EXHIBIT 9: **Labeling**