



**ANSI C63.19-2007
HAC RF EMISSIONS TEST REPORT
FOR
CDMA/1x EVDO Rel 0 / EVDO Rev. A with 802.11b/g and Bluetooth Phone**

MODEL: P100EWW

FCC ID: O8F-CASC

IC: 3905A-CASC

ISSUE DATE: March 16, 2009

Prepared for

**PALM
950 MAUDE AVENUE
SUNNYVALE, CA. 94085
UNITED STATES**

Prepared by

**COMPLIANCE CERTIFICATION SERVICES
47173 BENICIA STREET
FREMONT, CA 94538, U.S.A.
TEL: (510) 771-1000
FAX: (510) 661-0888**



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Revision History

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: PALM
950 MAUDE AVENUE
SUNNYVALE, CA. 94085, UNITED STATES

EUT DESCRIPTION: CDMA/1x EVDO Rel 0 / EVDO Rev. A with 802.11 b/g and Bluetooth Phone

MODEL NUMBER: P100EWW

DEVICE CATEGORY: Portable

EXPOSURE CATEGORY: General Population/Uncontrolled Exposure

DATE TESTED: March 3 - 5, 2009

MAX E-FIELD EMISSION: Cellular band: 73.5 V/m @ Ch No. 777/848.31 MHz
PCS band: 45.7 V/m @ Ch No. 600/1880 MHz

MAX H-FIELD EMISSION: Cellular band: 0.108 A/m @ Ch No. 384/836.52 MHz
PCS band: 0.118 A/m @ Ch No. 25/1851.25 MHz

Hearing Aid Near-Field Categories: Category M4

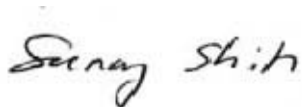
APPLICABLE STANDARDS:

STANDARD	TEST RESULTS
ANSI C63.19-2007	Pass

Compliance Certification Services, Inc. (CCS) tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by CCS based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by CCS and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by CCS will constitute fraud and shall nullify the document. No part of this report may be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any government agency.

Approved & Released For CCS By:



SUNNY SHIH
ENGINEERING SUPERVISOR
COMPLIANCE CERTIFICATION SERVICES

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with ANSI C63.19 Methods of Measurement of Compatibility between Wireless Communications Devices and Hearing Aids and FCC KDB 285076 D01 HAC Guidance v01.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 47173 Benicia Street, Fremont, California, USA.

CCS is accredited by NVLAP, Laboratory Code 200065-0. The full scope of accreditation can be viewed at <http://ts.nist.gov/Standards/scopes/2000650.htm>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

<u>Name of Equipment</u>	<u>Manufacturer</u>	<u>Type/Model</u>	<u>Serial Number</u>	<u>Cal. Due date</u>
Robot - Six Axes	Stäubli	RX90BL	N/A	N/A
Robot Remote Control	Stäubli	CS7MB	3403-91535	N/A
DASY4 Measurement Server	SPEAG	SEUMS001BA	1041	N/A
Probe Alignment Unit	SPEAG	LB (V2)	261	N/A
Data Acquisition Electronics	SPEAG	DAE3	427	10/20/09
E-Field Probe	SPEAG	ER3DV6	2339	2/9/09
H-Field Probe	SPEAG	H3DV6	6157	2/10/09
Calibration Dipole	SPEAG	CD1880V3	1010	2/11/09
Calibration Dipole	SPEAG	CD835V3	1014	2/11/09
Power Meter	Giga-Tronics	8651A	8651404	1/11/10
Power Sensor	Giga-Tronics	80701A	1834588	4/11/10
Amplifier	Mini-Circuits	ZHL-42W	D072701-5	N/A
Radio Communication Tester	R & S	CMU 200	106291	5/16/09

4.2. MEASUREMENT UNCERTAINTY

HAC Uncertainty Budget According to ANSI PC63.19							
Error Description	Uncertainty value (±%)	Probe Dist.	Div.	(Ci) E	(Ci) H	Std. Unc.(±%)	
						E	H
Measurement System							
Probe Calibration	5.10	N	1	1	1	5.1	5.1
Axial Isotropy	4.70	R	1.732	1	1	2.7	2.7
Sensor Displacement	16.50	R	1.732	1	0.145	9.5	1.4
Boundary Effects	2.40	R	1.732	1	1	1.4	1.4
Linearity	4.70	R	1.732	1	1	2.7	2.7
Scaling to Peak Envelope Power	2.00	R	1.732	1	1	1.2	1.2
System Detection Limit	1.00	R	1.732	1	1	0.6	0.6
Readout Electronics	0.30	N	1	1	1	0.3	0.3
Response Time	0.80	R	1.732	1	1	0.5	0.5
Integration Time	2.60	R	1.732	1	1	1.5	1.5
RF Ambient Conditions	3.00	R	1.732	1	1	1.7	1.7
RF Reflections	12.00	R	1.732	1	1	6.9	6.9
Probe Positioner	1.20	R	1.732	1	0.67	0.7	0.5
Probe Positioning	4.70	R	1.732	1	0.67	2.7	1.8
Extrapolation and Interpolation	1.00	R	1.732	1	1	0.6	0.6
Test sample Related							
Test Positioning Vertical	4.70	R	1.732	1	0.67	2.7	1.8
Test Positioning Lateral	1.00	R	1.732	1	1	0.6	0.6
Device Holder and Phantom	2.40	R	1.732	1	1	1.4	1.4
Power Drift	5.00	R	1.732	1	1	2.9	2.9
Phantom and Setup Related							
Phantom Thickness	2.40	R	1.732	1	0.67	1.4	0.9
Combined Std. Uncertainty						14.7	10.9
Expanded Std. Uncertainty on Power						29.4	21.8
Expanded Std. Uncertainty on Field						14.7	10.9
Notes for table							
1. N - Nomal							
2. R - Rectangular							
3. Div. - Divisor used to obtain standard uncertainty							
4. Ci - is te sensitivity coefficient							

5. EQUIPMENT UNDER TEST

CDMA/1x EVDO Rel 0 / EVDO Rev. A with 802.11b/g and Bluetooth Phone	
Normal Operation:	<ul style="list-style-type: none">• Held to head (open and closed - by sliding)• Worn on body
Body Worn Accessory:	Headset
Antenna(s):	Internal

6. SYSTEM SPECIFICATIONS

E-field and H-field measurements are performed using the DASY4 automated dosimetric assessment system. The DASY4 is made by Schmid & Partner Engineering AG (SPEAG) in Zurich, Switzerland.

The DASY4 HAC Extension consists of the following parts:

Test Arch Phantom

The specially designed Test Arch allows high precision positioning of both the device and any of the validation dipoles.

ER3DV6 Isotropic E-Field Probe

Construction:	One dipole parallel, two dipoles normal to probe axis Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Calibration:	In air from 100 MHz to 3.0 GHz (absolute accuracy $\pm 6.0\%$, $k=2$)
Frequency:	100 MHz to > 6 GHz; Linearity: ± 0.2 dB (100 MHz to 3 GHz)
Directivity:	± 0.2 dB in air (rotation around probe axis) ± 0.4 dB in air (rotation normal to probe axis)
Dynamic Range:	2 V/m to > 1000 V/m; Linearity: ± 0.2 dB
Dimensions:	Overall length: 330 mm (Tip: 16 mm) Tip diameter: 8 mm (Body: 12 mm) Distance from probe tip to dipole centers: 2.5 mm The closest part of the sensor element is 1.1 mm closer to the tip
Application:	General near-field measurements up to 6 GHz Field component measurements

H3DV6 3-Dimensional H-Field Probe

Construction:	Three concentric loop sensors with 3.8 mm loop diameters resistively loaded detector diodes for linear response Built-in shielding against static charges PEEK enclosure material (resistant to organic solvents, e.g., glycolether)
Frequency:	200 MHz to 3 GHz (absolute accuracy $\pm 6.0\%$, $k=2$); Output linearized
Directivity:	± 0.25 dB (spherical isotropy error)
Dynamic Range:	10 mA/m to 2 A/m at 1 GHz
E-Field Interference:	< 10% at 3 GHz (for plane wave)
Dimensions:	Overall length: 330 mm (Tip: 40 mm) Tip diameter: 6 mm (Body: 12 mm) Distance from probe tip to dipole centers: 3 mm The closest part of the sensor element is 1.9 mm closer to the tip
Application:	General magnetic near-field measurements up to 3 GHz Field component measurements Surface current measurements Measurements in air or liquids Low interaction with the measured field

7. SYSTEM VALIDATION

The test setup was validated when first configured and verified periodically thereafter to ensure proper function. The procedure provided in this section is a validation procedure using dipole antennas for which the field levels were computed by numeric modeling.

Procedure

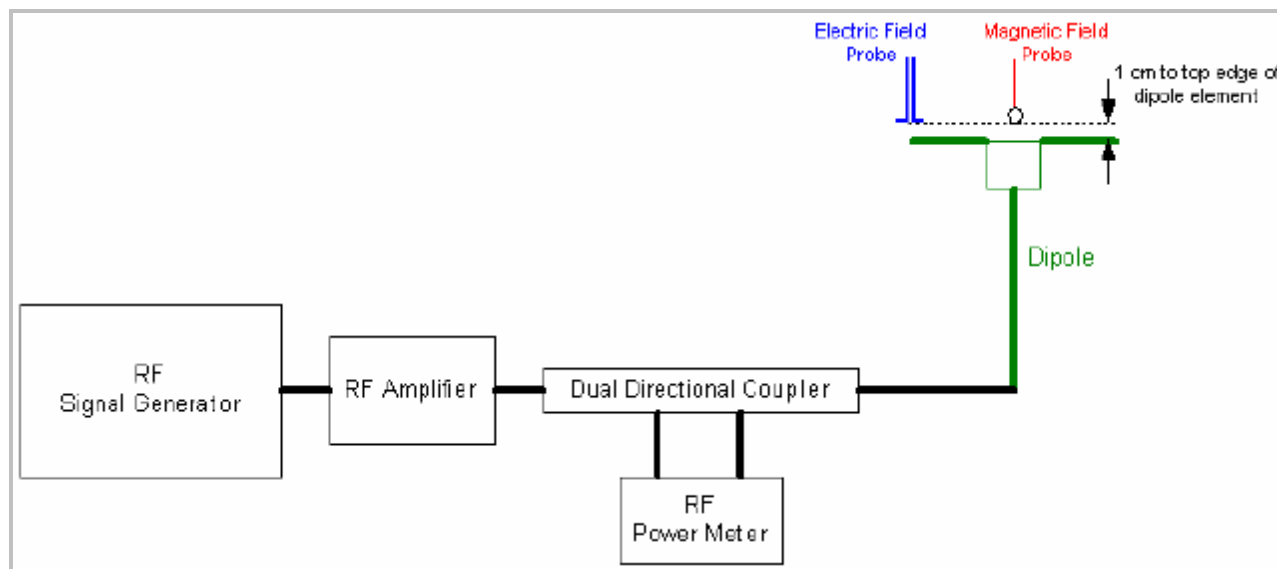
Place a dipole antenna meeting the requirements given in ANSI-PC63.19 2007 in the normally occupied by the WD.

The dipole antenna serves as a known source for an electrical and magnetic output. Position the E-field and H-field probes so that:

- The probes and their cables are parallel to the coaxial feed of the dipole antenna
- The probe cables and the coaxial feed of the dipole antenna approach the measurement area from opposite directions; and
- The center point of the probe element(s) are 10 mm from the closest surface of the dipole elements.

Scan the length of the dipole with both E-field and H-field probes and record the maximum values for each. Compare the readings to expected values.

Setup diagram



7.1. SYSTEM VALIDATION RESULT FOR E-DIPOLE

E-Filed Probe: ER3DV6 - SN 2339							
Calibration Dipole: CD1800V3 - SN 1010							
Signal Type	f (MHz)	Input Power (mW)	Max. measured from		Average max. above arm (V/m)	E-field Target Values (V/m) (From SPEAG)	Deviation ¹⁾ (%)
			above high end (V/m)	above low end (V/m)			
CW	1880	100	127.6	128.30	127.95	137.2	-6.74
Calibration Dipole: CD835V3 - SN 1014							
Signal Type	f (MHz)	Input Power (mW)	Max. measured from		Average max. above arm (V/m)	E-field Target Values (V/m) (From SPEAG)	Deviation ¹⁾ (%)
			above high end (V/m)	above low end (V/m)			
CW	835	100	170.0	165.00	167.50	162.5	3.08

7.2. SYSTEM VALIDATION RESULT FOR H-DIPOLE

H-field Probe: H3DV6 - SN 6157					
Calibration Dipole: CD1800V3 - SN 1010					
Signal Type	f (MHz)	Input Power (mW)	Measured H-field (A/m)	H-field Target Values (A/m) (From SPEAG)	Deviation ¹⁾ (%)
CW	1880	100	0.464	0.467	-0.64
Calibration Dipole: CD835V3 - SN 1014					
Signal Type	f (MHz)	Input Power (mW)	Measured H-field (A/m)	H-field Target Values (A/m) (From SPEAG)	Deviation ¹⁾ (%)
CW	835	100	0.476	0.450	5.78

8. OUTPUT POWER VERIFICATION

Maximum output power is verified on the Low, Middle and High channels according to procedures in section 4.4.5.2 of 3GPP2 C.S0011/TIA-98-E for 1xRTT, section 3.1.2.3.4 of 3GPP2 C.S0033-0/TIA-866 for Rel. 0 and section 4.3.4 of 3GPP2 C.S0033-A for Rev. A

8.1. RF POWER OUTPUT FOR 1xRTT VOICE + DATA

Results for Cellular Band

Radio Configuration (RC)	Service Option (SO)	Conducted Output Power (dBm)					
		Ch. 1013/824.7MHz		Ch. 384/836.52MHz		Ch. 777/848.31MHz	
		Average	Peak	Average	Peak	Average	Peak
RC1 (Fwd1, Rvs1)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.35	28.16	24.30	28.25	24.22	28.47
	3 (Voice)	24.30	28.33	24.34	28.38	24.32	28.48
	55 (Loopback)	24.40	28.28	24.44	28.51	24.27	28.32
	68 (Voice)	24.32	28.36	24.35	28.35	24.36	28.41
RC2 (Fwd2, Rvs2)	9 (Loopback)	24.37	28.46	24.35	28.36	24.3	28.35
	17 (Voice)	24.36	28.31	24.37	28.33	24.37	28.42
	55 (Loopback)	24.32	28.29	23.34	28.36	24.27	28.35
	32768 (Voice)	24.38	28.36	24.35	28.47	24.38	28.28
RC3 (Fwd3, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.37	27.96	24.35	28.17	24.20	28.2
	3 (Voice)	24.30	27.90	24.30	28.17	24.20	28.27
	55 (Loopback)	24.42	28.00	24.45	28.01	24.27	28.10
	32 (+ F-SCH)	24.33	27.94	24.35	28.10	24.25	28.20
	32 (+ SCH)	24.20	27.81	24.10	28.19	24.20	28.10
	68 (Voice)	23.87	27.55	24.05	27.80	24.05	28.15
RC4 (Fwd4, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.20	27.82	24.32	28.03	24.20	28.07
	3 (Voice)	24.22	27.95	24.28	28.10	24.10	24.14
	55 (Loopback)	24.37	28.00	24.30	28.17	24.10	27.93
	32 (+ F-SCH)	24.10	27.87	24.37	28.11	24.12	28.02
	32 (+ SCH)	24.10	27.89	24.12	28.09	24.12	28.17
	68 (Voice)	24.20	28.01	24.35	28.18	24.10	28.04
RC5 (Fwd5, Rvs4)	9 (Loopback)	24.22	27.82	24.35	28.03	24.20	28.44
	17 (Voice)	24.20	28.05	24.36	28.09	24.33	28.16
	55 (Loopback)	24.25	28.01	24.18	28.02	24.25	28.01
	32768 (Voice)	24.26	27.74	24.31	27.91	24.16	28.17

Results for PCS Band

Radio Configuration (RC)	Service Option (SO)	Conducted Output Power (dBm)					
		Ch. 25/1851.25MHz		Ch. 600/1880MHz		Ch. 1175/1908.75 MHz	
		Average	Peak	Average	Peak	Average	Peak
RC1 (Fwd1, Rvs1)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.10	28.71	24.10	28.44	24.03	28.30
	3 (Voice)	24.13	28.24	24.13	28.34	24.00	28.60
	55 (Loopback)	24.00	28.75	24.12	28.75	24.05	28.33
	68 (Voice)	24.15	28.35	24.25	28.69	24.04	28.55
RC2 (Fwd2, Rvs2)	9 (Loopback)	24.10	28.44	24.14	28.61	23.90	28.63
	17 (Voice)	24.19	28.68	24.17	28.43	24.07	28.42
	55 (Loopback)	24.13	28.61	24.12	28.48	24.10	28.51
	32768 (Voice)	24.10	28.73	24.18	28.60	24.15	28.49
RC3 (Fwd3, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	24.07	28.36	24.10	28.39	23.80	28.29
	3 (Voice)	23.95	28.52	24.00	28.56	23.91	28.13
	55 (Loopback)	23.94	28.64	24.15	28.28	23.92	28.12
	32 (+ F-SCH)	24.03	28.33	24.14	28.34	24.01	28.39
	32 (+ SCH)	24.03	28.25	24.05	28.45	23.85	28.06
	68 (Voice)	23.90	28.47	24.01	28.26	24.00	28.28
RC4 (Fwd4, Rvs3)	1 (Voice)	n/a	n/a	n/a	n/a	n/a	n/a
	2 (Loopback)	23.96	28.58	23.92	28.41	23.80	28.52
	3 (Voice)	23.92	28.65	23.91	28.32	23.82	28.40
	55 (Loopback)	23.96	28.56	23.90	28.43	23.77	28.32
	32 (+ F-SCH)	23.92	28.69	23.93	28.34	23.81	28.09
	32 (+ SCH)	23.92	28.18	23.84	28.12	23.75	28.51
	68 (Voice)	23.71	28.29	23.92	28.25	23.80	28.20
RC5 (Fwd5, Rvs4)	9 (Loopback)	23.90	28.34	23.95	28.28	23.80	28.46
	17 (Voice)	23.70	28.61	23.88	28.27	23.80	28.18
	55 (Loopback)	23.90	28.13	23.91	28.22	23.79	28.07
	32768 (Voice)	23.71	28.46	23.88	28.32	23.72	28.20

9. PROBE MODULATION FACTOR (PMF)

Purpose

The HAC Standard requires measurement of the peak envelope E- and H-fields of the wireless device (WD). Para. 4.1.2.1, and C.3.1 of the standard describes the Probe Modulation Response Factor that shall be applied to convert the probe reading to Peak Envelope Field.

Definitions

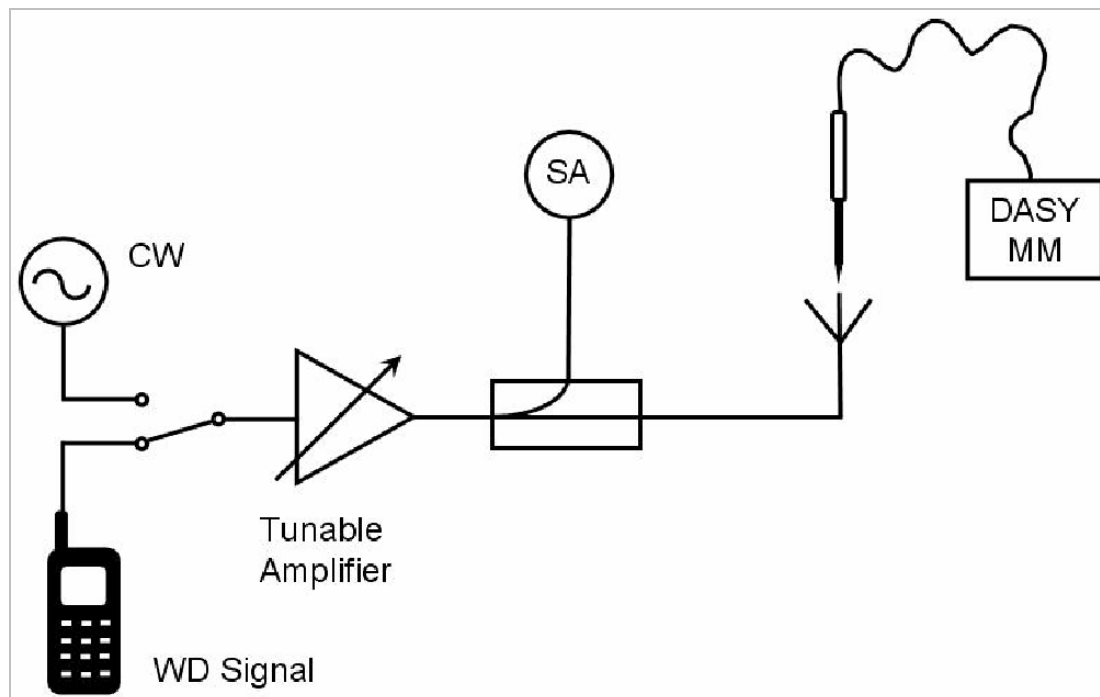
The Probe Modulation Factor (PMF) is defined as the ratio of the field readings for a CW and a modulated signal with the equivalent Field Envelope Peak as defined in the Standard (Chapter C.3.1).

Evaluation Procedure for Unknown PMF (DASY4 Application note, Section 28.8)

The proposed measurement setup corresponds to the procedure as required in the Standard, Chapter C.3.1.

1. Install a calibration dipole for the appropriate frequency band under the Test Arch Phantom and select the proper phantom section according to the probe type installed (E- or H-field). Move the probe to the field reference point. (Do not move the probe between the subsequent CW and modulated measurements.)
2. Install the field probe in the setup.
3. The modulated signal to the dipole must be monitored to record peak amplitude and compared to a CW signal with the same peak envelope level (e.g., with a directional coupler and a spectrum analyzer in zero span mode set to the operating frequency). To determine the peak envelope level of the modulated signal properly, the settings of a spectrum analyzer shall be as follows:
 - Resolution bandwidth \geq emission bandwidth
 - Video bandwidth \geq 20kHz
 - Span: zero
 - Center Frequency: nominal center frequency of channel
 - Detection: RMS detection with averaging turned on
 - Trigger: Video or IF trigger, adjusted to give a stable display of the transmission
 - Sweep rate: Sufficiently rapid to permit the transmit pulse to be resolved accurately. The sweep shall be long enough to show a complete transmission. The sweep time may be set to allow a full transmission cycle, displaying the on and off time.
4. Define a DASY4 document and set the procedure properties (frequency, modulation frequency and crest factor) according to the measured signal. Define a multimeter job for the field reading.
5. Define a second procedure for the evaluation of the CW signal (frequency set as above, modulation frequency = 0, crest factor = 1) and a multimeter job.

PMF Measurement Setup Diagram



The HAC measurement procedure is as follows:

- a) Modulated signals (WD and 80% AM) measurement:
 - 1) Connect the modulated signal using the appropriate frequency via the cable to the dipole.
 - 2) The signal to the dipole must be monitored to record peak amplitude with a directional coupler and a spectrum analyzer.
 - 3) Run the multimeter job in the procedure with the corresponding modulation setting in continuous mode.
 - 4) Read the envelope peak on the monitor in order to adjust the CW signal later to the same level.
- b) CW signal measurement:
 - 1) Change the signal to CW at the same center frequency, without touching or moving the dipole and probe in the setup.
 - 2) Adjust the CW signal amplitude to the same peak level on the spectrum analyzer (keep the same bandwidth and attenuation for CW and modulated signals).
 - 3) Run the multimeter job in the CW procedure in continuous mode.
 - 4) Read the multimeter total field display and note it together with modulation type and frequency.
 - 5) Calculate the Probe Modulation Factor as the ratio between the CW multimeter field reading and the reading for the applicable modulation. I.e., $PMF = \frac{E_{cw}}{E_{mod}}$ and similar for H.

9.1. PROBE MODULATION FACTOR (PMF) RESULTS

E-Field

f(MHz)	Type of signal	Frame Rate	Input power (dBm)	V/m ¹⁾	PMF ²⁾
1880	WD (RC3, SO55) CW	Full	16.5	92.0	0.95
			16.5	87.5	1.00
835	WD (RC3, SO55) CW	Full	17	137.0	0.85
			17	117.0	1.00

H-Field

f (MHz)	Type of signal	Frame Rate	Input power (dBm)	A/m ¹⁾	PMF ²⁾
1880	WD CW	Full	15	0.330	0.85
			15	0.280	1.00
835	WD CW	Full	17	0.430	0.85
			17	0.364	1.00

Notes:

1) Total field reading from DASY4 Multimeter job.

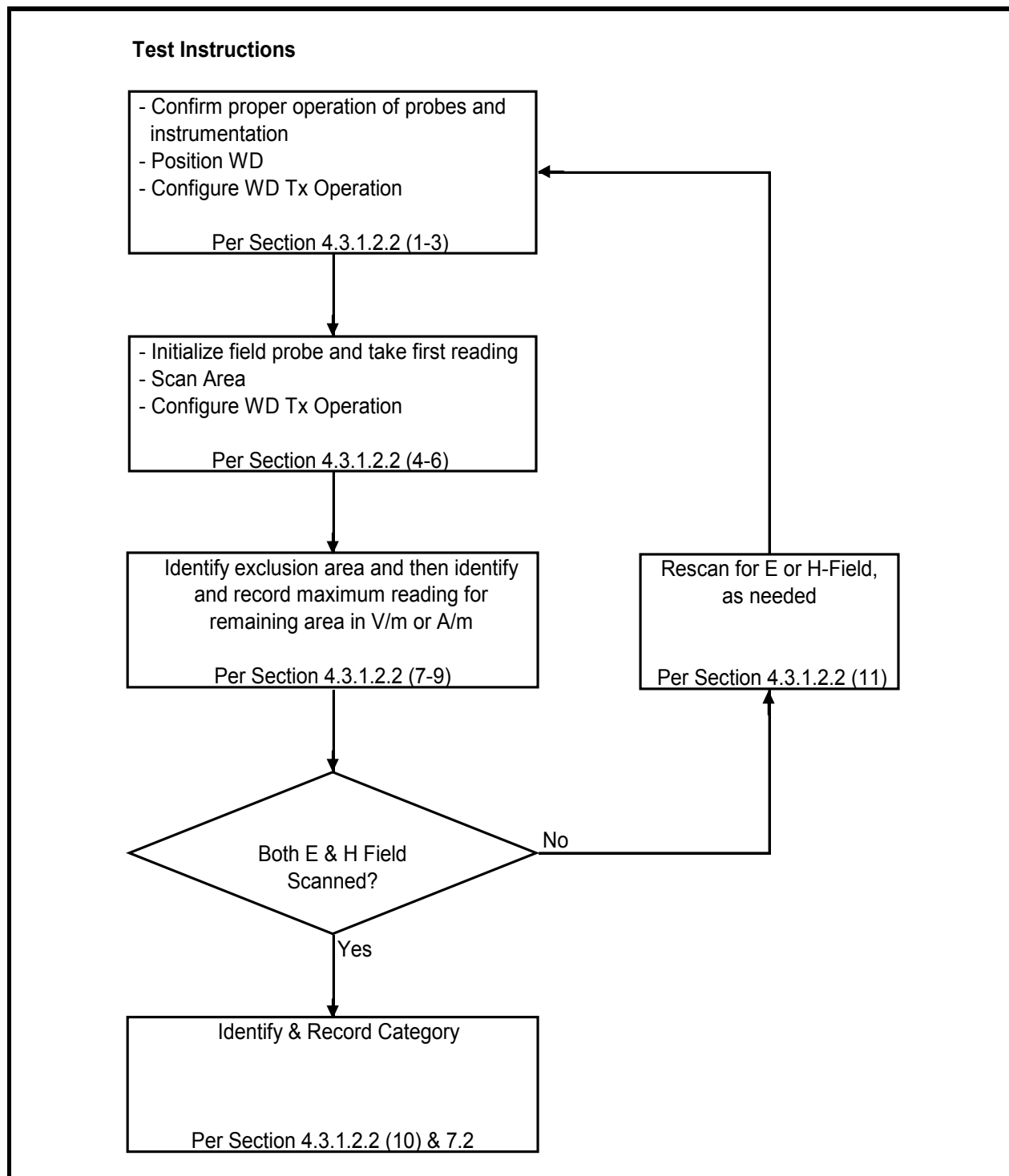
2) PMF: Probe Modulation Factor

10. HAC RF EMISSIONS TEST PROCEDURE

The following are step-by-step test procedures.

1. Confirm proper operation of the field probe, probe measurement system and other instrumentation and the positioning system.
2. Position the WD in its intended test position.
3. Configure the WD normal operation for maximum rated RF output power, at the desired channel and other operating parameters, (e.g. test mode) as intended for the test.
4. The center sub-grid shall be centered on the center of the WD output (acoustic or T-coil output), as appropriate. Locate the field probe at the initial test position in the 5 x 5 cm grid, which is contained in the measurement plane, see illustrated in Figure 5.
5. Record the reading.
6. Scan the entire 5 x 5 cm region in equally spaced increments and record the reading at each measurement point. The distance between measurement points shall be sufficient to assure the identification of the peak reading.
7. Identify the five contiguous sub-grids around the center sub-grid with the lowest maximum strength readings. Thus the 6 areas to be used to determine the WD's peak emissions are identified and outlined for the final manual scan. Please note that a maximum of five blocks can be excluded for both E- and H-field measurements for the WD output being measured. State another way, the center sub-grid and 3 other must be common to both the E- and H-field measurements.
8. Identify the highest field reading within the non-excluded sub-grids identified in step 7.
9. Convert the highest field reading within identified in step 8 to peak V/m or A/m, as appropriate.
10. Repeat steps 1-10 for both the E- and H-field measurements.
11. Compare this reading to the categories in ANSI-PC63.19 and record the resulting category. The lowest category number listed in ANSI-PC63.19 obtained in step 10 for either E or H field determines the M category for the audio coupling mode assessment. Record the WD category rating.

Test flowchart Per ANSI-PC63.19 2007



11. SUMMARY OF TEST RESULTS

Based upon the power measurement in section 8.1, the RC3/SO55 is the highest output power for both Cellular and PCS band. Thus, RC3/SO55 is used for HAC RF emissions measurement.

11.1. CELLULAR BAND

11.1.1. E-FILED EMISSIONS

Final scan at Low, Middle and High channel with worst-case mode - Slide Closed

Operating Mode	CH	f (MHz)	Peak E-Field (V/m)	M-Rating
RC3 SO55	1013	824.70	61.10	M4
	384	836.52	67.60	M4
	777	848.31	64.80	M4

Final scan at Low, Middle and High channel with worst-case mode - Slide Open

Operating Mode	CH	f (MHz)	Peak E-Field (V/m)	M-Rating
RC3 SO55	1013	824.70	70.20	M4
	384	836.52	71.20	M4
	777	848.31	73.50	M4

11.1.2. H-FILED EMISSIONS

Final scan at Low, Middle and High channel with worst-case mode - Slide Closed

Operating Mode	CH	f (MHz)	Peak H-Field (A/m)	M-Rating
RC3 SO55	1013	824.70	0.098	M4
	384	836.52	0.108	M4
	777	848.31	0.104	M4

Final scan at Low, Middle and High channel with worst-case mode - Slide Open

Operating Mode	CH	f (MHz)	Peak H-Field (A/m)	M-Rating
RC3 SO55	1013	824.70	0.097	M4
	384	836.52	0.098	M4
	777	848.31	0.103	M4

11.2. PCS BAND

11.2.1. E-FILED EMISSIONS

Final scan at Low, Middle and High channel with worst-case mode - Slide Closed

Operating Mode	CH	f (MHz)	Peak E-Field (V/m)	M-Rating
RC3 SO55	25	1851.25	23.30	M4
	600	1880.00	25.20	M4
	1175	1908.75	25.40	M4

Final scan at Low, Middle and High channel with worst-case mode - Slide Open

Operating Mode	CH	f (MHz)	Peak E-Field (V/m)	M-Rating
RC3 SO55	25	1851.25	45.20	M4
	600	1880.00	45.70	M4
	1175	1908.75	43.40	M4

11.2.2. H-FILED EMISSIONS

Final scan at Low, Middle and High channel with worst-case mode - Slide Closed

Operating Mode	CH	f (MHz)	Peak H-Field (Am)	M-Rating
RC3 SO55	25	1851.25	0.068	M4
	600	1880.00	0.072	M4
	1175	1908.75	0.074	M4

Final scan at Low, Middle and High channel with worst-case mode - Slide Open

Operating Mode	CH	f (MHz)	Peak H-Field (Am)	M-Rating
RC3 SO55	25	1851.25	0.118	M4
	600	1880.00	0.115	M4
	1175	1908.75	0.107	M4

12. NEAR FIELD COMPLIANCE CRITERIA

The EUT must meet the following M3 or M4 category:

Table 7.4—Telephone near-field categories in linear units

Category		Telephone RF parameters < 960 MHz			
Near field	AWF	E-field emissions		H-field emissions	
Category M1/T1	0	631.0 to 1122.0	V/m	1.91 to 3.39	A/m
	−5	473.2 to 841.4	V/m	1.43 to 2.54	A/m
Category M2/T2	0	354.8 to 631.0	V/m	1.07 to 1.91	A/m
	−5	266.1 to 473.2	V/m	0.80 to 1.43	A/m
Category M3/T3	0	199.5 to 354.8	V/m	0.60 to 1.07	A/m
	−5	149.6 to 266.1	V/m	0.45 to 0.80	A/m
Category M4/T4	0	< 199.5	V/m	< 0.60	A/m
	−5	< 149.6	V/m	< 0.45	A/m

Category		Telephone RF parameters > 960 MHz			
Near field	AWF	E-field emissions		H-field emissions	
Category M1/T1	0	199.5 to 354.8	V/m	0.60 to 1.07	A/m
	−5	149.6 to 266.1	V/m	0.45 to 0.80	A/m
Category M2/T2	0	112.2 to 199.5	V/m	0.34 to 0.60	A/m
	−5	84.1 to 149.6	V/m	0.25 to 0.45	A/m
Category M3/T3	0	63.1 to 112.2	V/m	0.19 to 0.34	A/m
	−5	47.3 to 84.1	V/m	0.14 to 0.25	A/m
Category M4/T4	0	< 63.1	V/m	< 0.19	A/m
	−5	< 47.3	V/m	< 0.14	A/m

13. ATTACHMENTS

No.	Contents	No. of page (s)
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2	HAC_E-Device Cell and PCS Band Test Plots	12
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4	Certificate of E-Field Probe - ER3DV6 SN 2339	9
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