

Report of Measurements.

Measurements were made in accordance with the procedures and reporting requirements of ANSI C63.4-1992.

The Test Set-Up (C63.4 section 10.1.3) is shown in the attached drawing.

The sequence of testing (C63.4 section 10.1.7) for radiated emissions is as follows: A preliminary scan was conducted with the receiver antenna close to the EUT in order to identify the emission characteristics of the EUT (C63.4 section 8.3.1.1). The antenna and EUT were then placed at the proper separation with the EUT positioned on a non-conducting turntable. The EUT was rotated on the turntable to maximize the received signal strength, then the receiver antenna height was varied to further maximize the received reading. Thereafter, the device was again rotated to a peak output position and the antenna height was re-adjusted for maximum received signal. This procedure was re-iterated until there was no further increase in signal level. This procedure was performed with the EUT rotating in three orthogonal planes (C63.4 section 13.1.4.1) to generate a final maximum reading which is recorded on the radiated emissions result sheet.

See Exhibit 6 for list of test equipment (C63.4 section 10.1.4).

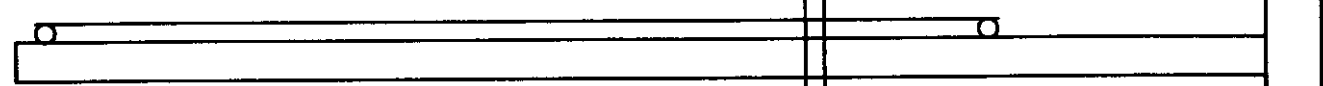
Note, Spectrum Analyzer resolution bandwidths set as follows;
(Video Bandwidth set greater than RBW)

- For occupied bandwidth measurements, RBW = 100kHz,
(This is in accordance with the minimum RBW allowed by C63.4, which requires RBW greater than 5% of the FCC required occupied bandwidth spec of 0.25% of center frequency).
- For radiated emissions below 1 GHz, the RBW = 100kHz.
Detector function set to peak.
- For radiated emissions above 1 GHz, the RBW = 1MHz.
Detector function set to peak.

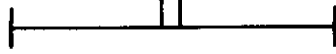
OCCUPIED BANDWIDTH is shown on attached plot.

RADIATED EMISSIONS are recorded on attached sheet.

Antenna Height Position



Antenna



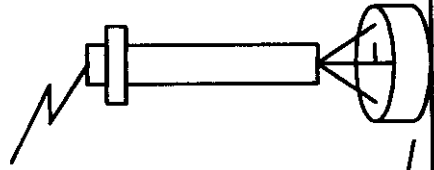
Measurement Receiver



EXHIBIT 5 - TEST SET UP

Note: EUT rotated in three orthogonal planes.

EUT on 1m high non conducting platform.



Turntable

Ground Plane



tsidwg.doc

RADIATED EMISSIONS DATA SHEET

EXHIBIT 5

CPS8DL5810

DATE: 2/13/99 TESTED BY: [Signature] APPROVED BY: Kenneth Achly

TEST SAMPLE (model): ADEMCO Transmitter 5810

TEST METHOD: ANSI C63.4 - 1992

TEST SPECIFICATION: FCC Part 15, Subpart C

NOTES: 1) $F_c = 345$ MHz, 2) Detector = Peak, 3) Frequency range scanned to
4 GHz. Emissions not reported were more than 20 dB below the specified limit.

$\left[\frac{\text{Meter reading} + \text{Cable/Amp factor} + \text{Antenna factor}}{20} \right]$

4) Conv. reading = 10

5) Corr. reading = Conv. reading X Duty cycle

FREQUENCY (MHz)	POLARITY (V / H)	METER READING (dB uV)	CABLE/AMP FACTOR (dB)	ANTENNA FACTOR (dB/M)	CONV. READING (uV/M)	DUTY CYCLE (%)	CORR. READING (uV/M)	LIMIT @ 3M (uV/M)
30								729
↓								↓
345	H	76	1.3	16	46238	10%	4624	7292
								↓
690	H	54	1.8	21.4	7245	10%	725	729
								↓
1035	H	42.	2.0	25	2818	10%	282	500
								↓
1380	H	43.1	2.6	28	4842	10%	484	500
								↓
1725	H	41.7	3.0	31	6095	10%	610	729
								↓
4000								729

®ADEMCO

Alarm Device Manufacturing Company
A Division of Pittway Corporation
165 Ekeon Way
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Occupied Bandwidth

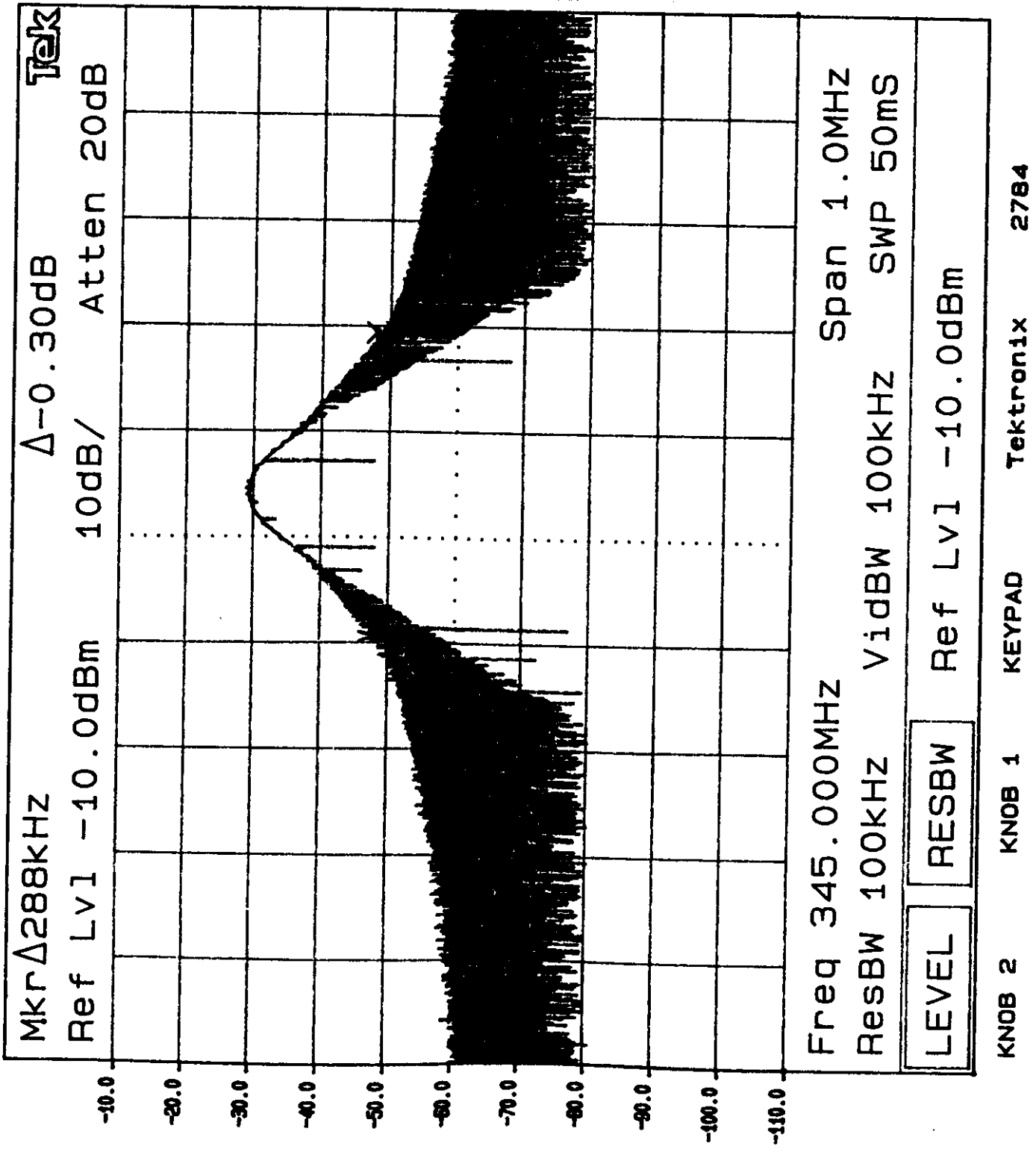


EXHIBIT 6

CFS8DL5810

Test Equipment List.

Model	Description	Calibrated	s/n
Antenna	Roberts dipole 30 - 65 MHz	1/20/99	110
Antenna	Roberts dipole 65 - 180 MHz	1/20/99	110
Antenna	Roberts dipole 180 - 400 MHz	1/20/99	110
Antenna	Roberts dipole 400 - 1000 MHz	1/20/99	110
Antenna	Electrometrics Horn 1 - 18 GHz	1/27/99	6127
Cable	RG58U		before use
2784	Tektronix spectrum analyzer	7/29/98	B010165