

Report of Measurements

Measurements for the Intentional Radiator, and OBW were made in accordance with the procedures and reporting requirements at:

Honeywell's OATS (FCC No: 152762 & IC No:573F-1)
which is located at:
2 Corporate Center Drive, Melville, NY 11747.

Measurements were made in accordance with the procedure and reporting requirements of ANSI C63.4-2003.

The Test Set-Up (C63.4 section 10.1.3) is shown in EXHIBIT 5-2; "Test Setup Photos". 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. Similar measurements were made on the receiver to ensure compliance as an unintentional radiator.

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

Note, The Spectrum Analyzer resolution bandwidths set as follows;
(Video Bandwidth is always set 3X 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.

RADIATED EMISSIONS are recorded in "EXHIBIT 5-3" for the transmitter, and in "EXHIBIT 5-5" for receivers.

OCCUPIED BANDWIDTH is recorded in "EXHIBIT 5-4".

HONEYWELL SECURITY & CUSTOM ELECTRONICS2 Corporate Center Drive
Melville, NY 11747**EXHIBIT 5-3****FCC ID # CFS8DL5808W3AP**

Date : 6/19/2008

Tested by :Y. Mohammed

Approved by : K. Eskildsen

Test Sample (model) : 5808W3AP

Test method: ANSI C63.4 - 2004

Test specification: FCC Part 15, Sub-part C and RSS 210, Issue 7

Notes: (1) Fo = 315MHz. (2) Detector = Peak (3) Frequency range scanned to 4 GHz.

Emissions not reported were more than 20dB below the specified unit.

[(Meter reading + Cable/Amp factor + Antenna factor) / 20]

(4) Conv. Reading = 10

(5) Corr. Reading = Conv. Reading X Duty Cycle

(6) Six Highest Emissions Recorded

Freq. (MHz)	Antenna 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			CABLE "C"	BICONILOG				604.0
315	H	73.00	2.2	13.89	28477.4	10.0%	2847.7	6042.0
630	H	47.80	3.2	18.84	3104.6	10.0%	310.5	604.2
945	H	31.30	4.0	21.84	719.4	10.0%	71.9	604.2
1260	H	37.90	4.7	26.46	2837.9	10.0%	283.8	500.0
1575	H	34.00	5.3	26.63	1979.2	10.0%	197.9	604.2
1890	H	29.60	5.8	28.92	1644.4	10.0%	164.4	604.2
2205	H	30.60	6.4	30.04	2249.1	10.0%	224.9	500.0
2520	H	30.90	6.8	33.09	3463.4	10.0%	346.3	604.2
2835	H	30.30	9.5	32.34	4045.8	10.0%	404.6	500.0
3150	H	29.10	10.5	32.21	3894.9	10.0%	389.5	604.2
4000			CABLE "C"	BICONILOG (00029390)				

OCCUPIED BANDWIDTH

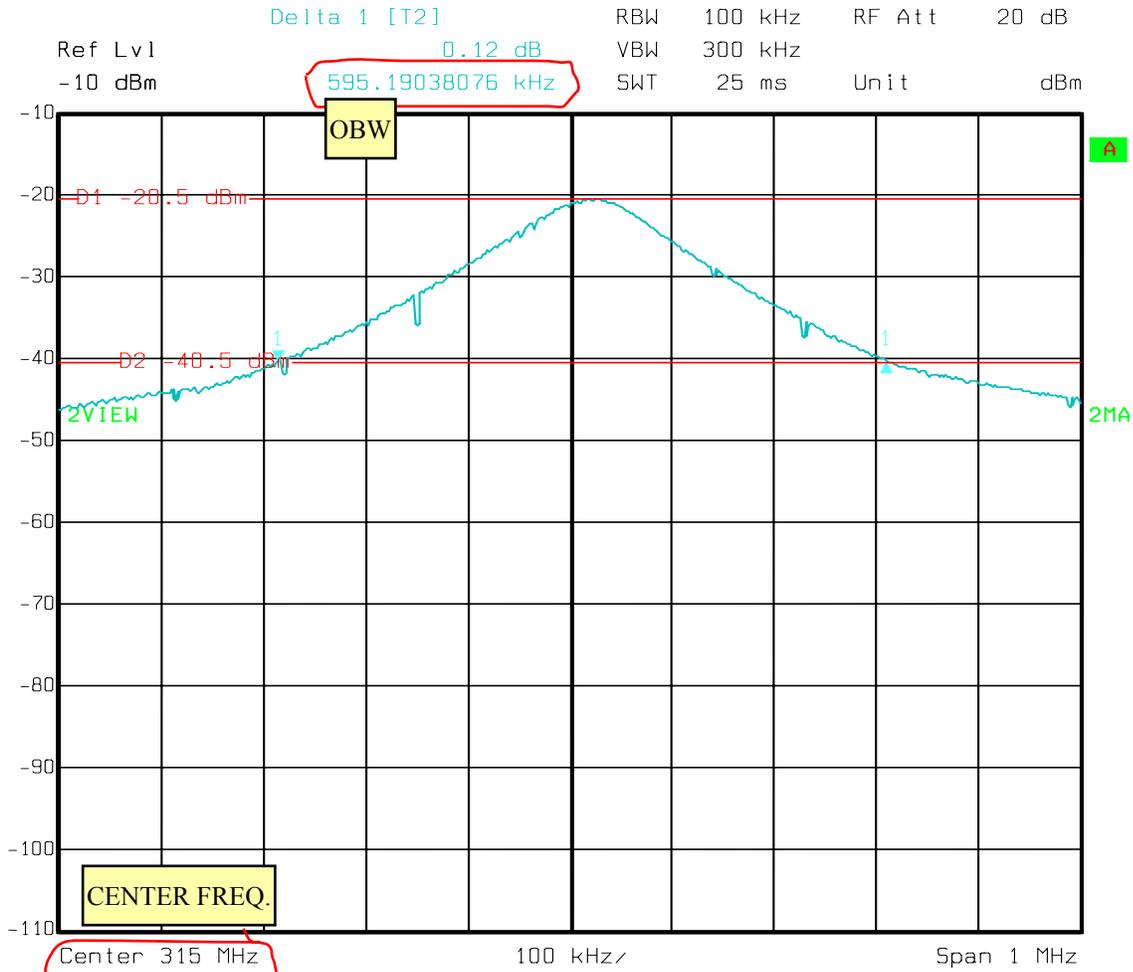
47 CFR §15.231 (c)

“The bandwidth of the emission shall be no wider than 0.25% of the center frequency for devices operating above 70 MHz and below 900 MHz.....Bandwidth is determined at the points 20 dB down from the modulated carrier.”

RBW = 100 KHz
VBW = 300KHz
OBW = 595 KHz

LIMIT - NOT OBW

(OBW limit = 787.5KHz @315 MHz)



Date: 19.JUN.2008 10:16:43

Section 15.231 and ANSI C63.4
This is a list of all test equipment used.

Test Equipment list for Honeywell OATS:

Equipment	Mfg	Model	Cal Date	Cal Due
Spectrum Analyzer	TEKTRONIX	2784	10/16/07	10/16/08
Antenna ('Biconilog')	ETS Lindgren	3149	04/02/08	04/02/09

If you need any additional information from Honeywell please contact:

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