

Z-WAVE RADIATED EMISSIONS**Per §15.249 (a) Operation within the bands 902-928 MHz, 2400-2483.5 MHz, 5725-5875 MHz, and 24.0-24.25 GHz:**

(a) Except as provided in paragraph (b) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental frequency	Field strength of fundamental (millivolts/meter)	Field strength of harmonics (microvolts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

TEST NAME: RADIATED EMISSIONS

The TSSC Base contains a transmitter (intentional radiator). To verify that the level of radiation was not significant, the device underwent radiated emissions.

With the transmitter in the ON state, emissions were checked at the fundamental frequency and the harmonics.

HONEYWELL SECURITY & CUSTOM ELECTRONICS

REV L JULY 10

Location: 2 Corporate Center Drive, Melville, NY 11747

FCC ID: CFS 8DLTSSCBASE Date: 1/9/2014

Tested By: John Bartolotti Approved By: John Uss

Test Sample (model): Z-WAVE TSS BASE

Test method: ANSI C63.4 – 2004

Test specification: FCC Part 15, Sub – Part C and RSS 210, Issue 8

Notes:

1. $F_o = 908.45$ MHz
2. Detector = Peak
3. Frequency range scanned to 10 GHz

$$[(\text{Meter reading} + \text{Cable/Amp factor} + \text{Antenna factor}) / 20]$$

4. Converted Reading = 10
5. Corrected Reading = Converted Reading X Duty Cycle
6. Six Highest Emissions Recorded
7. Emissions not reported were more than 20 dB below the specified unit
8. Cable loss & Amp Factor Calibrated before use
9. Distance between Device and Antenna: 3 meters

Antenna	Freq. (MHz)	Antenna Polarity (V/H)	Meter Reading (dB uV)	Cable Loss & Amp Factor (dB)	Antenna Factor (dB/m)	Conv. Reading (uV/M)	Duty Cycle	Corr. Reading (mV/M)	Limit @ 3M
Biconolog	908.45	H	67.03	3.80	21.63	NO LNA	100%	42.0	50 mV/M
	1,816.80	H	48.32	-27.58	28.44	287.7	100%	-----	500 uV/M
	2,725.20	H	38.05	-26.34	32.04	154.0	100%	-----	500 uV/M
	3,633.60	H	35.45	-25.21	31.94	128.5	100%	-----	500 uV/M
Horn	4,542.00	H	36.76	-26.39	31.14	119.0	100%	-----	500 uV/M
	5,450.40	H	36.29	-25.21	33.22	164.1	100%	-----	500 uV/M
	6,358.80	H	36.16	-23.94	34.26	210.9	100%	-----	500 uV/M
	7,267.20	H	35.43	-22.99	35.84	259.4	100%	-----	500 uV/M
	8,175.60	H	36.77	-22.31	36.68	360.6	100%	-----	500 uV/M
	9,084.50	H	35.65	-22.14	36.91	331.9	100%	-----	500 uV/M