

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

Transmitter: CFS8DLZWM / 573F-ZWM

Host Device: CFS8DLLYNXTOUCH3

The ZWM contains a transmitter (intentional radiator). To verify that the level of radiation was not significant when the ZWM was operated in the new host CFS8DLLYNXPLUS3, 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 M SEPT 2011

Location: 2 Corporate Center Drive, Melville, NY 11747

FCC ID: CFS 8DLZWM Date: 05/15/2014

Tested By: G. Barbato, Ed Sayers Approved By: John Uss

Test Sample (model): L7000 with Z-WAVE

Test method: ANSI C63.4 – 2004

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

Notes:

1. Fo = 908.45 MHz
2. Detector = Peak
3. Frequency range scanned to 10 GHz
4. Converted Reading = $10 * [(\text{Meter reading} + \text{Cable/Amp factor} + \text{Antenna factor}) / 20]$
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

PRESCAN	dB uV
V/V	58.21
H/V	57.63
V/H	53.84
H/H	57.86
V/O	56.17
H/O	60.27

Freq. (MHz)	FILTER USED:	USE LNA?:	CABLE USED?:	Antenna Polarity (V/H)	UUT Orientation (V/H/O)	Meter Reading (dB uV)	READING NOTES:	Cable Loss & Amp Factor (dB)	Antenna Factor (dB/m)	Conv. Reading (uV/M)	Corr. Reading (mV/M)	Limit @ 3M
								CAL'ED BEFORE USE	BICONOLOG Model: 3149 s/n: 00029390 CAL 8-8-13			
908.45	NONE	NO	E	H	O	60.27	FUND.	4.34	21.63	-----	20.5	50 mV/M
1,816.80	NONE	NO	E	H	O	11.46	NOISE FLOOR	6.55	28.43	210.0	-----	500 uV/M
2,725.20	NONE	NO	E	H	O	8.87	NOISE FLOOR	8.61	31.46	280.1	-----	500 uV/M
3,633.60	B	YES	E	H	O	9.42	NOISE FLOOR	10.50	30.25	322.5	-----	500 uV/M
4,542.00	C	YES	E	H	O	9.30	NOISE FLOOR	12.40	31.13	438.2	-----	500 uV/M
5,450.40	C	YES	E	H	O	5.73	NOISE FLOOR	10.10	33.22	283.3	-----	500 uV/M
6,358.80	C	YES	E	H	O	5.66	NOISE FLOOR	8.20	32.77	214.5	-----	500 uV/M
7,267.20	C	YES	E	H	O	4.66	NOISE FLOOR	8.20	35.84	272.2	-----	500 uV/M
8,175.60	D	YES	E	H	O	6.82	NOISE FLOOR	6.60	36.95	330.1	-----	500 uV/M
9,084.50	D	YES	E	H	O	8.86	NOISE FLOOR	7.20	36.91	445.2	-----	500 uV/M
						+		CAL'ED BEFORE USE	RGA 60 HORN S/N: 21657 LAST CAL 5-17-2013			