

RADIATED EMISSIONS



Test Report #: WC908471 Run 3 Test Area: LTS

EUT Model #: 825 Date: 11/4/2009

EUT Serial #: 186C5 EUT Power: 15 VDC Temperature: 23.0 °C

Test Method: FCC Pt 15 C Air Pressure: 99.0 kPa

Customer: Landis & Gyr Rel. Humidity: 26.0 %

EUT Description: 2.4 GHz Zigbee transmitter

Notes: _____

Data File Name: 8471.dat

Page: 1 of 4

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC 15.247 >1GHz 3m av.	DELTA2
Low channel						
maximized						
2.404 GHz	90.78 Pk	4.19 / 28.71 / 0.0 / 0.0	123.68	H / 1.74 / 47	-26.32*	n/a
Begin scan for emissions in the restricted bands, 1 - 18 GHz						
maximized						
4.811 GHz	50.15 Av	6.5 / 32.79 / 43.15 / 0.27	46.56	V / 1.00 / 181	-7.44	n/a
4.811 GHz	56.85 Pk	6.5 / 32.79 / 43.15 / 0.27	53.26	V / 1.00 / 181	-0.74*	n/a
mid channel						
maximized						
2.445 GHz	85.41 Av	4.22 / 28.8 / 0.0 / 0.0	118.43	H / 1.72 / 46	-31.57	n/a
2.445 GHz	88.85 Pk	4.22 / 28.8 / 0.0 / 0.0	121.87	H / 1.72 / 46	-28.13*	n/a
maximized						
4.889 GHz	48.16 Av	6.58 / 32.94 / 43.09 / 0.45	45.04	V / 1.12 / 142	-8.96	n/a
4.889 GHz	55.7 Pk	6.58 / 32.94 / 43.09 / 0.45	52.58	V / 1.12 / 142	-1.42*	n/a
7.334 GHz	56.48 Av	7.14 / 36.03 / 42.17 / 1.22	58.7	H / 1.29 / 28	4.7	n/a
7.334 GHz	62.8 Pk	7.14 / 36.03 / 42.17 / 1.22	65.02	H / 1.29 / 28	11.02*	n/a
high channel						
maximized						
2.48 GHz	83.74 Av	4.24 / 28.88 / 0.0 / 0.0	116.86	H / 1.70 / 46	-33.14	n/a
2.48 GHz	87.55 Pk	4.24 / 28.88 / 0.0 / 0.0	120.67	H / 1.70 / 46	-29.33*	n/a
output power reduced						
2.479 GHz	70.7 Pk	4.24 / 28.88 / 43.49 / 0.0	60.33	H / 1.60 / 40	-89.67*	n/a
2.48 GHz	65.7 Pk	4.24 / 28.88 / 43.49 / 0.0	55.33	V / 1.60 / 30	-94.67*	n/a

Tested by: Greg Jakubowski _____

Printed Signature

Reviewed by: _____

Printed Signature

RADIATED EMISSIONS



Test Report #: WC908471 Run 3 Test Area: LTS

EUT Model #: 825 Date: 11/4/2009

EUT Serial #: 186C5 EUT Power: 15 VDC Temperature: 23.0 °C

Test Method: FCC Pt 15 C Air Pressure: 99.0 kPa

Customer: Landis & Gyr Rel. Humidity: 26.0 %

EUT Description: 2.4 GHz Zigbee transmitter

Notes: _____

Data File Name: 8471.dat

Page: 2 of 4

List of measurements for run #: 3

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC 15.247 >1GHz 3m av.	DELTA2
no spurious detected						

Tested by: Greg Jakubowski _____
Printed Signature

Reviewed
by: _____
Printed Signature

Test Report #:	WC908471 Run 3	Test Area:	LTS		
EUT Model #:	825	Date:	11/4/2009		
EUT Serial #:	186C5	EUT Power:	15 VDC	Temperature:	23.0 °C
Test Method:	FCC Pt 15 C			Air Pressure:	99.0 kPa
Customer:	Landis & Gyr			Rel. Humidity:	26.0 %
UT Description:	2.4 GHz Zigbee transmitter				

Notes:

Data File Name: 8471.dat	Page: 3 of 4
--------------------------	--------------

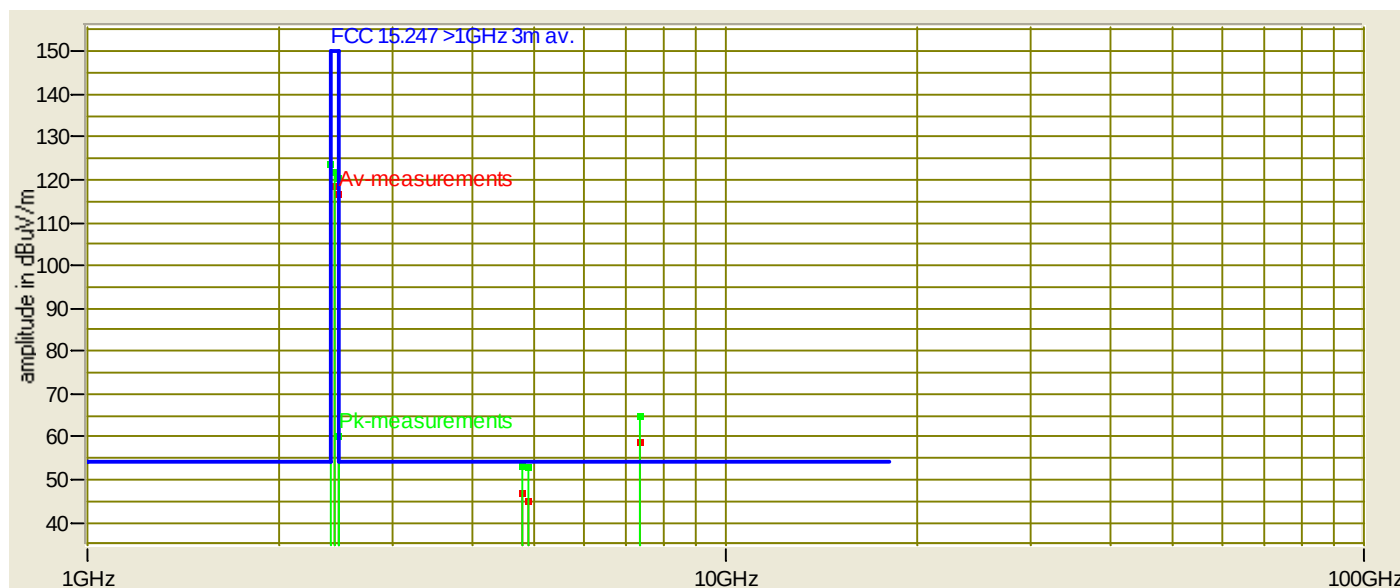
FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC 15.247 >1GHz 3m av.
7.334 GHz	56.48 Av	7.14 / 36.03 / 42.17 / 1.22	58.7	H / 1.29 / 28	4.7
4.811 GHz	50.15 Av	6.5 / 32.79 / 43.15 / 0.27	46.56	V / 1.00 / 181	-7.44
4.889 GHz	48.16 Av	6.58 / 32.94 / 43.09 / 0.45	45.04	V / 1.12 / 142	-8.96
2.445 GHz	85.41 Av	4.22 / 28.8 / 0.0 / 0.0	118.43	H / 1.72 / 46	-31.57
2.48 GHz	83.74 Av	4.24 / 28.88 / 0.0 / 0.0	116.86	H / 1.70 / 46	-33.14
2.404 GHz	90.78 Pk	4.19 / 28.71 / 0.0 / 0.0	123.68	H / 1.74 / 47	-26.32*
4.811 GHz	56.85 Pk	6.5 / 32.79 / 43.15 / 0.27	53.26	V / 1.00 / 181	-0.74*
2.445 GHz	88.85 Pk	4.22 / 28.8 / 0.0 / 0.0	121.87	H / 1.72 / 46	-28.13*
4.889 GHz	55.7 Pk	6.58 / 32.94 / 43.09 / 0.45	52.58	V / 1.12 / 142	-1.42*
7.334 GHz	62.8 Pk	7.14 / 36.03 / 42.17 / 1.22	65.02	H / 1.29 / 28	11.02*
2.48 GHz	87.55 Pk	4.24 / 28.88 / 0.0 / 0.0	120.67	H / 1.70 / 46	-29.33*
2.479 GHz	70.7 Pk	4.24 / 28.88 / 43.49 / 0.0	60.33	H / 1.60 / 40	-89.67*

Tested by: Greg Jakubowski _____
 Printed Signature

Reviewed
by: _____ Printed _____ Signature _____

Notes:

Graph:



Tested by: Greg Jakubowski

Printed Signature

Reviewed
by: _____ Printed _____ Signature _____