

RADIATED EMISSIONS



Test Report #: WC503800 Run 1 Test Area: LTS

EUT Model #: 56-903-95 REV-A Date: 7/20/2005

EUT Serial #: CW1 EUT Power: 60Hz/110VAC Xfrmr Temperature: 21.0 °C

Test Method: FCC 15.231 Air Pressure: 97.0 kPa

Customer: GE SECURITY Rel. Humidity: 80.0 %

EUT Description: SUPER BOARD TRANCEIVER

Notes: WITH 319.5 CRYSTAL TRANSMITTER (LEFT ANTENNA)

Data File Name: 3800.dat

Page: 1 of 3

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1	DELTA2
ALL READINGS MAXIMIZED.						
425.93 MHz	76.05 Pk	1.71 / 16.37 / 27.9 / 0.0	66.23	V / 1.40 / 270	n/a	n/a
212.925 MHz	90.2 Pk	1.21 / 10.62 / 27.11 / 0.0	74.92	V / 1.40 / 270	n/a	n/a
319.432 MHz	102.9 Pk	1.5 / 13.76 / 27.5 / 0.0	90.66	V / 1.40 / 270	n/a	n/a
532.435 MHz	44.9 Pk	1.93 / 18.35 / 28.03 / 0.0	37.15	H / 1.00 / 90	n/a	n/a
638.937 MHz	53.55 Pk	2.1 / 19.39 / 28.2 / 0.0	46.84	V / 1.00 / 0	n/a	n/a
745.437 MHz	36.05 Pk	2.32 / 21.17 / 27.96 / 0.0	31.58	H / 1.00 / 0	n/a	n/a
851.937 MHz	50.4 Pk	2.51 / 21.93 / 27.78 / 0.0	47.06	H / 2.00 / 0	n/a	n/a
958.437 MHz	39.65 Pk	2.68 / 22.61 / 27.6 / 0.0	37.35	H / 2.00 / 0	n/a	n/a
106.428 MHz	66.6 Pk	0.81 / 9.24 / 27.01 / 0.0	49.64	V / 1.00 / 120	n/a	n/a
1.065 GHz	42.25 Pk	2.83 / 25.06 / 27.53 / 0.0	42.61	H / 1.00 / 120	n/a	n/a
1.172 GHz	42.25 Pk	2.97 / 25.2 / 27.53 / 0.0	42.89	V / 1.00 / 0	n/a	n/a
1.278 GHz	45.05 Pk	3.1 / 25.34 / 27.5 / 0.0	45.99	H / 2.20 / 300	n/a	n/a
1.385 GHz	41.9 Pk	3.23 / 25.49 / 27.6 / 0.0	43.01	H / 1.30 / 0	n/a	n/a
1.491 GHz	44.1 Pk	3.42 / 25.63 / 27.58 / 0.0	45.57	V / 1.30 / 118	n/a	n/a
1.598 GHz	47.3 Pk	3.52 / 26.11 / 27.54 / 0.0	49.39	H / 1.30 / 118	n/a	n/a
1.704 GHz	49.8 Pk	3.62 / 26.62 / 27.74 / 0.0	52.3	V / 1.30 / 233	n/a	n/a
1.811 GHz	46.8 Pk	3.8 / 27.13 / 28.0 / 0.0	49.73	V / 2.00 / 0	n/a	n/a
1.917 GHz	41.65 Pk	3.88 / 27.64 / 28.0 / 0.0	45.17	V / 2.00 / 0	n/a	n/a
2.024 GHz	42.65 Pk	3.9 / 28.06 / 28.12 / 0.0	46.5	V / 1.00 / 0	n/a	n/a
2.13 GHz	46.2 Pk	3.97 / 28.2 / 28.2 / 0.0	50.17	V / 2.00 / 134	n/a	n/a
2.237 GHz	43.9 Pk	4.11 / 28.34 / 28.19 / 0.0	48.16	V / 2.00 / 134	n/a	n/a
2.343 GHz	43.05 Pk	4.24 / 28.48 / 28.06 / 0.0	47.72	V / 1.00 / 0	n/a	n/a
2.45 GHz	47.25 Pk	4.34 / 28.62 / 27.89 / 0.0	52.32	H / 1.20 / 0	n/a	n/a
2.556 GHz	46.4 Pk	4.4 / 28.84 / 27.71 / 0.0	51.93	H / 1.50 / 40	n/a	n/a
2.663 GHz	43.6 Pk	4.46 / 29.13 / 27.59 / 0.0	49.6	H / 1.40 / 70	n/a	n/a
2.769 GHz	37.75 Pk	4.53 / 29.42 / 27.47 / 0.0	44.22	V / 1.20 / 0	n/a	n/a

Tested by: RMJ Printed Signature

Reviewed by: Printed Signature

RADIATED EMISSIONS



Test Report #: WC503800 Run 1 Test Area: LTS
EUT Model #: 56-903-95 REV-A Date: 7/20/2005
EUT Serial #: CW1 EUT Power: 60Hz/110VAC Xfmr Temperature: 21.0 °C
Test Method: FCC 15.231 Air Pressure: 97.0 kPa
Customer: GE SECURITY Rel. Humidity: 80.0 %

EUT Description: SUPER BOARD TRANCEIVER

Notes: WITH 319.5 CRYSTAL TRANSMITTER (LEFT ANTENNA)

Data File Name: 3800.dat

Page: 2 of 3

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1	DELTA2
2.876 GHz	41.2 Pk	4.63 / 29.71 / 27.37 / 0.0	48.18	V / 1.20 / 0	n/a	n/a
2.982 GHz	45.5 Pk	4.74 / 30.0 / 27.36 / 0.0	52.88	V / 1.20 / 0	n/a	n/a
3.089 GHz	44.65 Pk	4.84 / 30.24 / 27.51 / 0.0	52.22	V / 1.30 / 0	n/a	n/a
3.195 GHz	45.15 Pk	4.94 / 30.46 / 27.75 / 0.0	52.8	V / 1.30 / 0	n/a	n/a

NO EMISSIONS DETECTED FROM RECEIVER PORTION OF TRANSCEIVER WITH V OR H POLARIZATION AT ALL AZIMUTHS.

END OF SCAN.

Tested by: RMJ
Printed Signature

Reviewed
by:
Printed Signature

RADIATED EMISSIONS



America

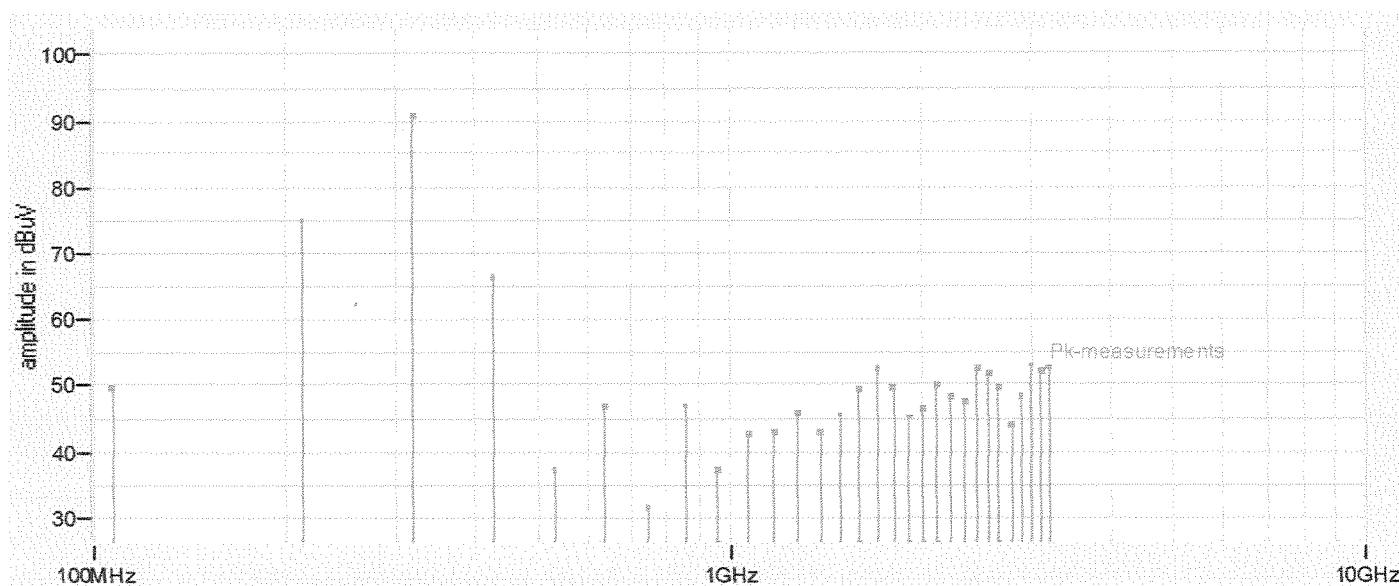
Test Report #: WC503800 Run 1 Test Area: LTS
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EUT Serial #: CW1 EUT Power: 60Hz/110VAC Xfmr Temperature: 21.0 °C
Test Method: FCC 15.231 Air Pressure: 97.0 kPa
Customer: GE SECURITY Rel. Humidity: 80.0 %

EUT Description: SUPER BOARD TRANCEIVER

Notes: WITH 319.5 CRYSTAL TRANSMITTER (LEFT ANTENNA)

Data File Name: 3800.dat Page: 3 of 3

Graph:



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Printed

RADIATED EMISSIONS



Test Report #: WC503800 Run 2 Test Area: LTS

EUT Model #: 56-903-95 REV-A Date: 7/20/2005

EUT Serial #: CW1 EUT Power: 60Hz/110VAC Xfrmr Temperature: 21.0 °C

Test Method: FCC 15.231 Air Pressure: 97.0 kPa

Customer: GE SECURITY Rel. Humidity: 80.0 %

EUT Description: SUPER BOARD TRANCEIVER

Notes: WITH 319.5 CRYSTAL TRANSMITTER (RIGHT ANTENNA)

Data File Name: 3800.dat

Page: 1 of 3

List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1	DELTA2
ALL READINGS MAXIMIZED.						
319.432 MHz	101.1 Pk	1.5 / 13.76 / 27.5 / 0.0	88.86	V / 1.00 / 270	n/a	n/a
212.925 MHz	90.75 Pk	1.21 / 10.62 / 27.11 / 0.0	75.47	V / 1.00 / 270	n/a	n/a
425.933 MHz	75.35 Pk	1.71 / 16.37 / 27.9 / 0.0	65.53	V / 1.00 / 270	n/a	n/a
106.421 MHz	66.1 Pk	0.81 / 9.24 / 27.01 / 0.0	49.14	V / 1.00 / 0	n/a	n/a
532.435 MHz	43.8 Pk	1.93 / 18.35 / 28.03 / 0.0	36.05	H / 1.00 / 270	n/a	n/a
638.937 MHz	55.55 Pk	2.1 / 19.39 / 28.2 / 0.0	48.84	V / 1.00 / 90	n/a	n/a
745.437 MHz	39.7 Pk	2.32 / 21.17 / 27.96 / 0.0	35.23	V / 1.00 / 90	n/a	n/a
851.937 MHz	54.2 Pk	2.51 / 21.93 / 27.78 / 0.0	50.86	H / 1.00 / 90	n/a	n/a
958.437 MHz	40.45 Pk	2.68 / 22.61 / 27.6 / 0.0	38.15	H / 1.00 / 90	n/a	n/a
1.065 GHz	42.5 Pk	2.83 / 25.06 / 27.53 / 0.0	42.86	H / 1.00 / 0	n/a	n/a
1.171 GHz	42.75 Pk	2.97 / 25.2 / 27.53 / 0.0	43.39	V / 1.00 / 330	n/a	n/a
1.278 GHz	41.45 Pk	3.1 / 25.34 / 27.5 / 0.0	42.39	H / 2.00 / 0	n/a	n/a
1.385 GHz	39.55 Pk	3.23 / 25.49 / 27.6 / 0.0	40.66	H / 1.30 / 0	n/a	n/a
1.491 GHz	41.1 Pk	3.42 / 25.63 / 27.58 / 0.0	42.57	V / 1.18 / 0	n/a	n/a
1.598 GHz	50.0 Pk	3.52 / 26.11 / 27.54 / 0.0	52.09	H / 1.18 / 2	n/a	n/a
1.598 GHz	49.6 Pk	3.52 / 26.11 / 27.54 / 0.0	51.69	H / 1.70 / 0	n/a	n/a
1.704 GHz	51.25 Pk	3.62 / 26.62 / 27.74 / 0.0	53.75	H / 2.00 / 0	n/a	n/a
1.811 GHz	45.9 Pk	3.8 / 27.13 / 28.0 / 0.0	48.83	H / 2.00 / 0	n/a	n/a
1.917 GHz	38.3 Pk	3.88 / 27.64 / 28.0 / 0.0	41.82	V / 1.90 / 0	n/a	n/a
2.024 GHz	37.6 Pk	3.9 / 28.06 / 28.12 / 0.0	41.45	H / 1.50 / 0	n/a	n/a
2.13 GHz	44.55 Pk	3.97 / 28.2 / 28.2 / 0.0	48.52	V / 1.60 / 0	n/a	n/a
2.237 GHz	40.65 Pk	4.11 / 28.34 / 28.19 / 0.0	44.91	V / 1.70 / 350	n/a	n/a
2.343 GHz	38.0 Pk	4.24 / 28.48 / 28.06 / 0.0	42.67	V / 1.00 / 0	n/a	n/a
2.45 GHz	45.35 Pk	4.34 / 28.62 / 27.89 / 0.0	50.42	V / 1.10 / 0	n/a	n/a
2.556 GHz	43.15 Pk	4.4 / 28.84 / 27.71 / 0.0	48.68	H / 1.10 / 0	n/a	n/a
2.663 GHz	37.65 Pk	4.46 / 29.13 / 27.59 / 0.0	43.65	V / 1.10 / 0	n/a	n/a
2.769 GHz	37.7 Pk	4.53 / 29.42 / 27.47 / 0.0	44.17	V / 1.10 / 0	n/a	n/a

Tested by: RMJ Signature _____
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Reviewed by: _____ Signature _____
Printed

RADIATED EMISSIONS



Test Report #: WC503800 Run 2 Test Area: LTS
EUT Model #: 56-903-95 REV-A Date: 7/20/2005
EUT Serial #: CW1 EUT Power: 60Hz/110VAC Xfrmr Temperature: 21.0 °C
Test Method: FCC 15.231 Air Pressure: 97.0 kPa
Customer: GE SECURITY Rel. Humidity: 80.0 %

EUT Description: SUPER BOARD TRANCEIVER

Notes: WITH 319.5 CRYSTAL TRANSMITTER (RIGHT ANTENNA)

Data File Name: 3800.dat

Page: 2 of 3

List of measurements for run #: 2

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1	DELTA2
2.876 GHz	38.5 Pk	4.63 / 29.71 / 27.37 / 0.0	45.48	V / 1.00 / 40	n/a	n/a
2.982 GHz	39.45 Pk	4.74 / 30.0 / 27.36 / 0.0	46.83	V / 1.00 / 90	n/a	n/a
3.089 GHz	39.83 Pk	4.84 / 30.24 / 27.51 / 0.0	47.4	V / 1.00 / 90	n/a	n/a
3.195 GHz	39.0 Pk	4.94 / 30.46 / 27.75 / 0.0	46.65	V / 1.00 / 90	n/a	n/a

NO EMISSIONS DETECTED FROM RECEIVER PORTION OF TRANSCEIVER WITH V OR H POLARIZATION AT ALL AZIMUTHS.

END OF SCAN 30 - 3195MHz.

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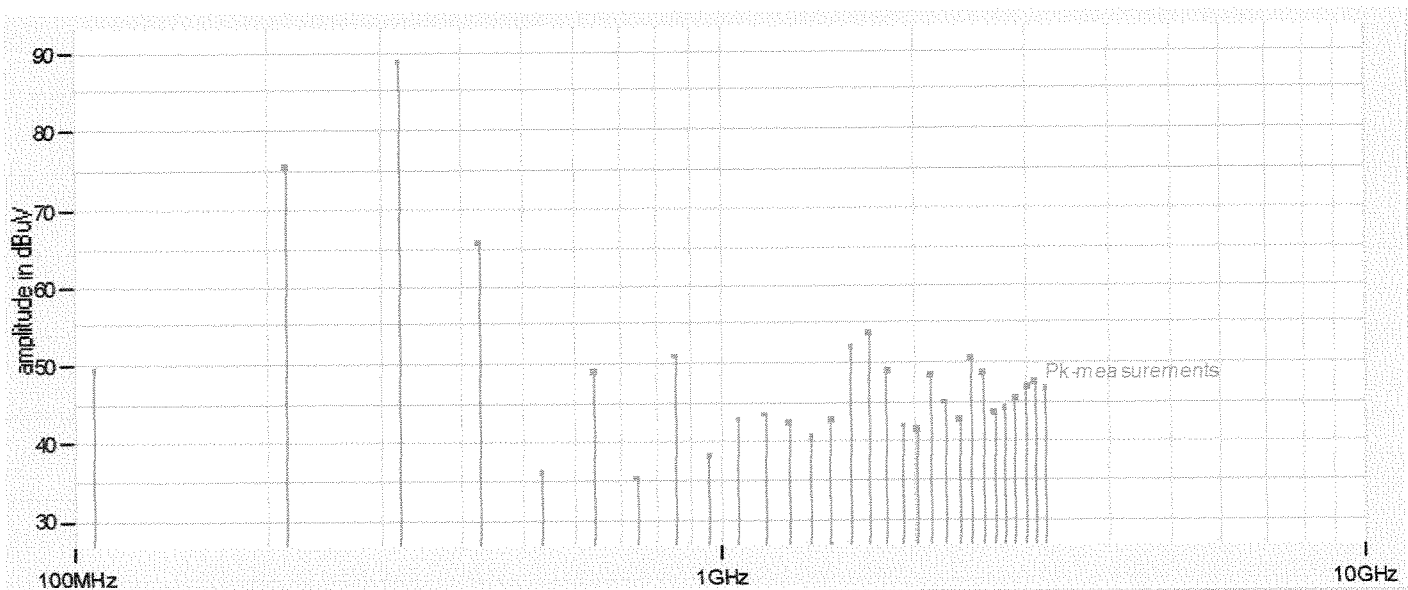
Reviewed
by: Printed Signature

RADIATED EMISSIONS



Test Report #:	WC503800 Run 2	Test Area:	LTS	
EUT Model #:	56-903-95 REV-A	Date:	7/20/2005	
EUT Serial #:	CW1	EUT Power:	60Hz/110VAC Xfrmr	Temperature: 21.0 °C
Test Method:	FCC 15.231			Air Pressure: 97.0 kPa
Customer:	GE SECURITY			Rel. Humidity: 80.0 %
EUT Description:	SUPER BOARD TRANCEIVER			
Notes:	WITH 319.5 CRYSTAL TRANSMITTER (RIGHT ANTENNA)			
Data File Name:	3800.dat	Page:	3 of 3	

Graph:



Tested by:	RMJ	
	Printed	Signature
Reviewed by:		
	Printed	Signature