

RADIATED EMISSIONS



Test Report #: WC703962 Run 1 Test Area: LTS

EUT Model #: 680 Date: 6/6/2007

EUT Serial #: 2E EUT Power: 240V / 60Hz Temperature: 23.0 °C

Test Method: FCC 15.247 Air Pressure: 99.0 kPa

Customer: Hunt Technologies Rel. Humidity: 35.0 %

EUT Description: Stat Signal Endpoint

Notes: Harmonics in restricted bands

Data File Name: 3962.dat

Page: 1 of 6

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B >1GHz 3m	DELTA2 FCC B >1G 3 M
Measurements maximized, 0 - 360 degrees, vertical / horizontal, 1 - 4 meters high						
Low channel						
9.105 GHz	48.74 Av	12.36 / 37.4 / 46.22 / 0.99	53.27	V / 1.00 / 103	-0.73	n/a
9.105 GHz	54.25 Pk	12.36 / 37.4 / 46.22 / 0.99	58.78	V / 1.00 / 103	4.78*	-15.22
8.195 GHz	44.76 Av	10.67 / 36.83 / 46.49 / 1.14	46.91	V / 1.59 / 104	-7.09	n/a
8.195 GHz	52.2 Pk	10.67 / 36.83 / 46.49 / 1.14	54.35	V / 1.59 / 104	0.35*	-19.65
7.284 GHz	48.33 Av	9.74 / 36.12 / 46.59 / 1.16	48.76	H / 1.00 / 300	-5.24	n/a
7.284 GHz	54.75 Pk	9.74 / 36.12 / 46.59 / 1.16	55.18	H / 1.00 / 300	1.18*	-18.82
4.553 GHz	53.25 Av	7.25 / 32.31 / 46.6 / 0.55	46.75	V / 1.05 / 0	-7.25	n/a
4.553 GHz	57.25 Pk	7.25 / 32.31 / 46.6 / 0.55	50.75	V / 1.05 / 0	-3.25*	-23.25
3.642 GHz	53.11 Av	6.42 / 31.55 / 48.03 / 0.6	43.65	H / 1.00 / 0	-10.35	n/a
3.642 GHz	57.7 Pk	6.42 / 31.55 / 48.03 / 0.6	48.24	H / 1.00 / 0	-5.76*	-25.76
2.732 GHz	65.22 Av	5.29 / 29.64 / 49.15 / 0.38	51.37	V / 1.16 / 13	-2.63	n/a
2.732 GHz	66.45 Pk	5.29 / 29.64 / 49.15 / 0.38	52.6	V / 1.16 / 13	-1.4*	-21.4
Mid channel						
9.192 GHz	39.79 Av	12.39 / 37.45 / 46.2 / 0.94	44.37	H / 1.28 / 59	-9.63	n/a
9.192 GHz	48.45 Pk	12.39 / 37.45 / 46.2 / 0.94	53.03	H / 1.28 / 59	-0.97*	-20.97
8.273 GHz	44.24 Av	10.75 / 36.88 / 46.46 / 1.2	46.6	V / 1.03 / 64	-7.4	n/a
8.273 GHz	49.65 Pk	10.75 / 36.88 / 46.46 / 1.2	52.01	V / 1.03 / 64	-1.99*	-21.99
7.353 GHz	48.61 Av	9.81 / 36.21 / 46.63 / 1.24	49.24	V / 1.29 / 121	-4.76	n/a
7.353 GHz	53.85 Pk	9.81 / 36.21 / 46.63 / 1.24	54.48	V / 1.29 / 121	0.48*	-19.52
4.596 GHz	50.28 Av	7.32 / 32.39 / 46.56 / 0.58	44.01	V / 1.02 / 0	-9.99	n/a
4.596 GHz	54.1 Pk	7.32 / 32.39 / 46.56 / 0.58	47.83	V / 1.02 / 0	-6.17*	-26.17
3.677 GHz	54.44 Av	6.44 / 31.62 / 48.06 / 0.53	44.98	H / 1.00 / 0	-9.02	n/a
3.677 GHz	57.25 Pk	6.44 / 31.62 / 48.06 / 0.53	47.79	H / 1.00 / 0	-6.21*	-26.21

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EUT Model #: 680 Date: 6/6/2007

EUT Serial #: 2E EUT Power: 240V / 60Hz Temperature: 23.0 °C

Test Method: FCC 15.247 Air Pressure: 99.0 kPa

Customer: Hunt Technologies Rel. Humidity: 35.0 %

EUT Description: Stat Signal Endpoint

Notes: Harmonics in restricted bands

Data File Name: 3962.dat

Page: 2 of 6

List of measurements for run #: 1

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B >1GHz 3m	DELTA2 FCC B >1G 3 M
2.758 GHz	64.26 Av	5.32 / 29.69 / 49.11 / 0.39	50.55	V / 1.11 / 9	-3.45	n/a
2.758 GHz	65.85 Pk	5.32 / 29.69 / 49.11 / 0.39	52.14	V / 1.11 / 9	-1.86*	-21.86
High channel						
9.275 GHz	38.48 Av	12.41 / 37.5 / 46.17 / 0.0	43.27	V / 1.00 / 0	-10.73	n/a
9.275 GHz	46.15 Pk	12.41 / 37.5 / 46.17 / 1.05	50.94	V / 1.00 / 0	-3.06*	-23.06
9.275 GHz = noise floor						
8.348 GHz	41.91 Av	10.88 / 36.93 / 46.44 / 1.13	44.4	V / 1.39 / 121	-9.6	n/a
8.348 GHz	49.55 Pk	10.88 / 36.93 / 46.44 / 1.13	52.04	V / 1.39 / 121	-1.96*	-21.96
7.42 GHz	45.77 Av	9.87 / 36.3 / 46.67 / 1.3	46.56	V / 1.00 / 0	-7.44	n/a
7.42 GHz	53.25 Pk	9.87 / 36.3 / 46.67 / 1.3	54.04	V / 1.00 / 0	0.04*	-19.96
4.638 GHz	45.7 Av	7.38 / 32.48 / 46.52 / 0.54	39.57	H / 1.00 / 150	-14.43	n/a
4.638 GHz	52.05 Pk	7.38 / 32.48 / 46.52 / 0.54	45.92	H / 1.00 / 150	-8.08*	-28.08
3.71 GHz	55.99 Av	6.47 / 31.69 / 48.08 / 0.52	46.59	V / 1.30 / 59	-7.41	n/a
3.71 GHz	58.8 Pk	6.47 / 31.69 / 48.08 / 0.52	49.4	V / 1.30 / 59	-4.6*	-24.6
2.783 GHz	62.17 Av	5.36 / 29.74 / 49.06 / 0.39	48.61	V / 1.10 / 14	-5.39	n/a
2.783 GHz	63.95 Pk	5.36 / 29.74 / 49.06 / 0.39	50.39	V / 1.10 / 14	-3.61*	-23.61

* = Pk measurement against an average limit

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 by: _____
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Test Report #: WC703962 Run 1 Test Area: LTS

EUT Model #: 680 Date: 6/6/2007

EUT Serial #: 2E EUT Power: 240V / 60Hz Temperature: 23.0 °C

Test Method: FCC 15.247 Air Pressure: 99.0 kPa

Customer: Hunt Technologies Rel. Humidity: 35.0 %

EUT Description: Stat Signal Endpoint

Notes: Harmonics in restricted bands

Data File Name: 3962.dat

Page: 3 of 6

Measurement summary for limit1: FCC B >1GHz 3m (Av)

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B >1GHz 3m
9.105 GHz	48.74 Av	12.36 / 37.4 / 46.22 / 0.99	53.27	V / 1.00 / 103	-0.73
2.732 GHz	65.22 Av	5.29 / 29.64 / 49.15 / 0.38	51.37	V / 1.16 / 13	-2.63
2.758 GHz	64.26 Av	5.32 / 29.69 / 49.11 / 0.39	50.55	V / 1.11 / 9	-3.45
7.353 GHz	48.61 Av	9.81 / 36.21 / 46.63 / 1.24	49.24	V / 1.29 / 121	-4.76
7.284 GHz	48.33 Av	9.74 / 36.12 / 46.59 / 1.16	48.76	H / 1.00 / 300	-5.24
2.783 GHz	62.17 Av	5.36 / 29.74 / 49.06 / 0.39	48.61	V / 1.10 / 14	-5.39
8.195 GHz	44.76 Av	10.67 / 36.83 / 46.49 / 1.14	46.91	V / 1.59 / 104	-7.09
4.553 GHz	53.25 Av	7.25 / 32.31 / 46.6 / 0.55	46.75	V / 1.05 / 0	-7.25
8.273 GHz	44.24 Av	10.75 / 36.88 / 46.46 / 1.2	46.6	V / 1.03 / 64	-7.4
3.71 GHz	55.99 Av	6.47 / 31.69 / 48.08 / 0.52	46.59	V / 1.30 / 59	-7.41
7.42 GHz	45.77 Av	9.87 / 36.3 / 46.67 / 1.3	46.56	V / 1.00 / 0	-7.44
3.677 GHz	54.44 Av	6.44 / 31.62 / 48.06 / 0.53	44.98	H / 1.00 / 0	-9.02
8.348 GHz	41.91 Av	10.88 / 36.93 / 46.44 / 1.13	44.4	V / 1.39 / 121	-9.6
9.192 GHz	39.79 Av	12.39 / 37.45 / 46.2 / 0.94	44.37	H / 1.28 / 59	-9.63
4.596 GHz	50.28 Av	7.32 / 32.39 / 46.56 / 0.58	44.01	V / 1.02 / 0	-9.99
3.642 GHz	53.11 Av	6.42 / 31.55 / 48.03 / 0.6	43.65	H / 1.00 / 0	-10.35
9.275 GHz	38.48 Av	12.41 / 37.5 / 46.17 / 0.0	43.27	V / 1.00 / 0	-10.73
4.638 GHz	45.7 Av	7.38 / 32.48 / 46.52 / 0.54	39.57	H / 1.00 / 150	-14.43
9.105 GHz	54.25 Pk	12.36 / 37.4 / 46.22 / 0.99	58.78	V / 1.00 / 103	4.78*
8.195 GHz	52.2 Pk	10.67 / 36.83 / 46.49 / 1.14	54.35	V / 1.59 / 104	0.35*
7.284 GHz	54.75 Pk	9.74 / 36.12 / 46.59 / 1.16	55.18	H / 1.00 / 300	1.18*
4.553 GHz	57.25 Pk	7.25 / 32.31 / 46.6 / 0.55	50.75	V / 1.05 / 0	-3.25*
3.642 GHz	57.7 Pk	6.42 / 31.55 / 48.03 / 0.6	48.24	H / 1.00 / 0	-5.76*
2.732 GHz	66.45 Pk	5.29 / 29.64 / 49.15 / 0.38	52.6	V / 1.16 / 13	-1.4*
9.192 GHz	48.45 Pk	12.39 / 37.45 / 46.2 / 0.94	53.03	H / 1.28 / 59	-0.97*
8.273 GHz	49.65 Pk	10.75 / 36.88 / 46.46 / 1.2	52.01	V / 1.03 / 64	-1.99*
7.353 GHz	53.85 Pk	9.81 / 36.21 / 46.63 / 1.24	54.48	V / 1.29 / 121	0.48*

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EUT Model #: 680 Date: 6/6/2007

EUT Serial #: 2E EUT Power: 240V / 60Hz Temperature: 23.0 °C

Test Method: FCC 15.247 Air Pressure: 99.0 kPa

Customer: Hunt Technologies Rel. Humidity: 35.0 %

EUT Description: Stat Signal Endpoint

Notes: Harmonics in restricted bands

Data File Name: 3962.dat

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Measurement summary for limit1: FCC B >1GHz 3m (Av)

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA1 FCC B >1GHz 3m
4.596 GHz	54.1 Pk	7.32 / 32.39 / 46.56 / 0.58	47.83	V / 1.02 / 0	-6.17*
3.677 GHz	57.25 Pk	6.44 / 31.62 / 48.06 / 0.53	47.79	H / 1.00 / 0	-6.21*
2.758 GHz	65.85 Pk	5.32 / 29.69 / 49.11 / 0.39	52.14	V / 1.11 / 9	-1.86*
9.275 GHz	46.15 Pk	12.41 / 37.5 / 46.17 / 1.05	50.94	V / 1.00 / 0	-3.06*
8.348 GHz	49.55 Pk	10.88 / 36.93 / 46.44 / 1.13	52.04	V / 1.39 / 121	-1.96*
7.42 GHz	53.25 Pk	9.87 / 36.3 / 46.67 / 1.3	54.04	V / 1.00 / 0	0.04*
4.638 GHz	52.05 Pk	7.38 / 32.48 / 46.52 / 0.54	45.92	H / 1.00 / 150	-8.08*
3.71 GHz	58.8 Pk	6.47 / 31.69 / 48.08 / 0.52	49.4	V / 1.30 / 59	-4.6*
2.783 GHz	63.95 Pk	5.36 / 29.74 / 49.06 / 0.39	50.39	V / 1.10 / 14	-3.61*

* = Pk measurement against an average limit

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Test Report #: WC703962 Run 1 Test Area: LTS

EUT Model #: 680 Date: 6/6/2007

EUT Serial #: 2E EUT Power: 240V / 60Hz Temperature: 23.0 °C

Test Method: FCC 15.247 Air Pressure: 99.0 kPa

Customer: Hunt Technologies Rel. Humidity: 35.0 %

EUT Description: Stat Signal Endpoint

Notes: Harmonics in restricted bands

Data File Name: 3962.dat Page: 5 of 6

Measurement summary for limit2: FCC B >1G 3 M (Pk)

FREQ	LEVEL (dBuV)	CABLE / ANT / PREAMP / ATTEN (dB)	FINAL (dBuV / m)	POL / HGT / AZ (m)(DEG)	DELTA2 FCC B >1G 3 M
9.105 GHz	54.25 Pk	12.36 / 37.4 / 46.22 / 0.99	58.78	V / 1.00 / 103	-15.22
7.284 GHz	54.75 Pk	9.74 / 36.12 / 46.59 / 1.16	55.18	H / 1.00 / 300	-18.82
7.353 GHz	53.85 Pk	9.81 / 36.21 / 46.63 / 1.24	54.48	V / 1.29 / 121	-19.52
8.195 GHz	52.2 Pk	10.67 / 36.83 / 46.49 / 1.14	54.35	V / 1.59 / 104	-19.65
7.42 GHz	53.25 Pk	9.87 / 36.3 / 46.67 / 1.3	54.04	V / 1.00 / 0	-19.96
9.192 GHz	48.45 Pk	12.39 / 37.45 / 46.2 / 0.94	53.03	H / 1.28 / 59	-20.97
2.732 GHz	66.45 Pk	5.29 / 29.64 / 49.15 / 0.38	52.6	V / 1.16 / 13	-21.4
2.758 GHz	65.85 Pk	5.32 / 29.69 / 49.11 / 0.39	52.14	V / 1.11 / 9	-21.86
8.348 GHz	49.55 Pk	10.88 / 36.93 / 46.44 / 1.13	52.04	V / 1.39 / 121	-21.96
8.273 GHz	49.65 Pk	10.75 / 36.88 / 46.46 / 1.2	52.01	V / 1.03 / 64	-21.99
9.275 GHz	46.15 Pk	12.41 / 37.5 / 46.17 / 1.05	50.94	V / 1.00 / 0	-23.06
4.553 GHz	57.25 Pk	7.25 / 32.31 / 46.6 / 0.55	50.75	V / 1.05 / 0	-23.25
2.783 GHz	63.95 Pk	5.36 / 29.74 / 49.06 / 0.39	50.39	V / 1.10 / 14	-23.61
3.71 GHz	58.8 Pk	6.47 / 31.69 / 48.08 / 0.52	49.4	V / 1.30 / 59	-24.6
3.642 GHz	57.7 Pk	6.42 / 31.55 / 48.03 / 0.6	48.24	H / 1.00 / 0	-25.76
4.596 GHz	54.1 Pk	7.32 / 32.39 / 46.56 / 0.58	47.83	V / 1.02 / 0	-26.17
3.677 GHz	57.25 Pk	6.44 / 31.62 / 48.06 / 0.53	47.79	H / 1.00 / 0	-26.21
4.638 GHz	52.05 Pk	7.38 / 32.48 / 46.52 / 0.54	45.92	H / 1.00 / 150	-28.08

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Test Method: FCC 15.247 Air Pressure: 99.0 kPa

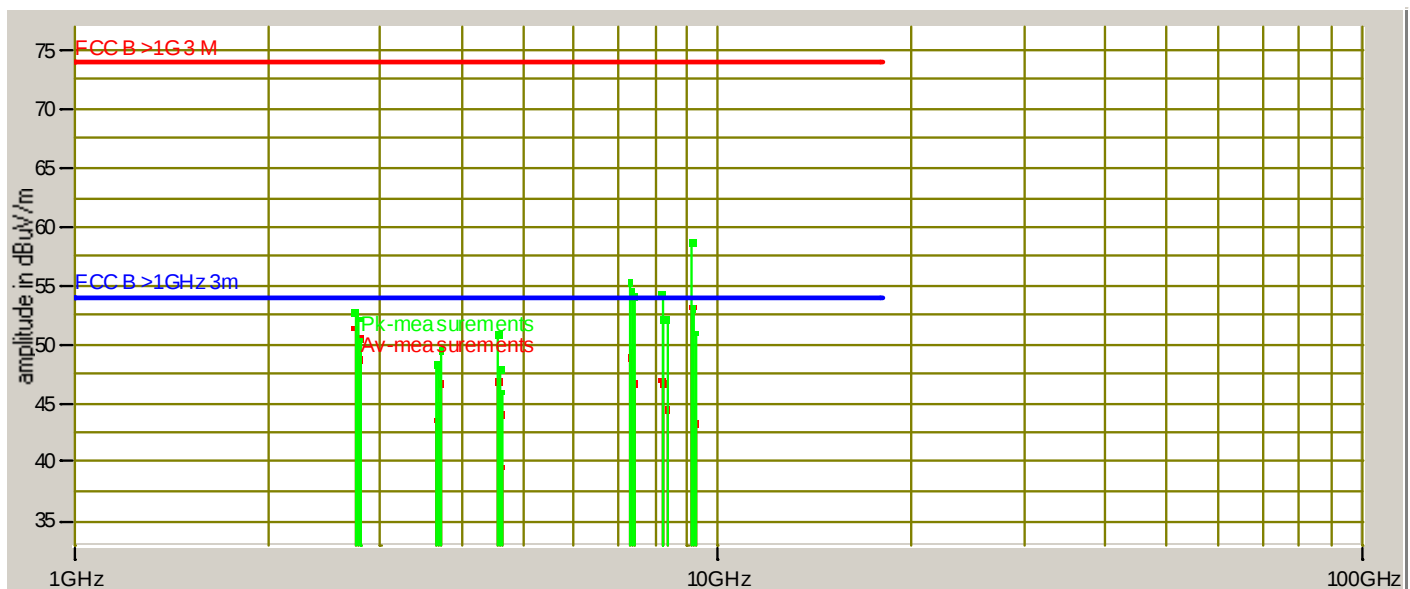
Customer: Hunt Technologies Rel. Humidity: 35.0 %

EUT Description: Stat Signal Endpoint

Notes: Harmonics in restricted bands

Data File Name: 3962.dat Page: 6 of 6

Graph:



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