Radiated Spurious Emissions (1559 – 1605 <u>MHz)</u>

Job Number: 00095

Doc Path: V:\EMC Result Data\2000\095_GS_MOD\b1559-1605_fcc_redo.doc

Project Title:	Reran FCC rad. spurious da	ata Climatic condition :	
Date:	September 5, 2000	Temperature:	22 °C
EUT:	G* Module GSP-1620	Relative Humidity:	56 %
S/N:	N10741GP7	Barometric Pressure:	29.66 kP

Test Facility: Qualcomm, Inc. 3m Semi-Anechoic Chamber

Calibration Information:

No.	Manufacturer/ Type No.	Part/Model No.	Serial No.	Calibration Date & Cal Due Date
1	Hewlett Packard Spectrum Analyser 9 kHz to 22 GHz	8593 EM	3308A16736	Sept 30, 1999 Sept 30, 2000
2	HP High Frequency Pre Amp. (1 – 26.5 GHz	8449B	3008A01228	Jan 7, 2000 Jan 7, 2001
3	EMCO Horn Antenna 1 – 18 GHz	9612-5043	3115	June 14, 2000 June 14, 2001
4	Gore Coax Cables	N-type	#7, 2, 3	June 20, 2000 June 20, 2001

EMC TEST ENGINEER: Suzanne Galati

DATE: 9/5/00

Photos:

Filename: 095set1.jpg



<u>Radiated Spurious Emissions Test Data (1559 –</u> <u>1605 MHz)</u>

Scan filename:	1559-1605_fcc_redo.mdb		
Test setup:	RE, Vertical polarization, maximised azimuth and elevation, antenna at 1.1m distance (limit of $-70 \text{ dBW/MHz} = 64 \text{ dB}\mu\text{V/m}$ for 1 MHz bandwidth, and limit of $-80 \text{ dBW/700 Hz} = 55.5 \text{ dB}\mu\text{V/m}$ for 1 kHz bandwidth)		
EUT setup:	12 V _{DC} , 340 mA, S2001 call in progress		
Graphs:			

Channel 1:

,14:23:17 SEP 05, 2000

ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.60489 GHz 61.49 dB_PV/m



Channel 6:



Channel 9:



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1 kHz Bandwidth:

START 1.58000 GHz

#IF BW 1.0 kHz

Channel 1:

,14:15:38 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK OP AVG MKR 1.57969 GHz 25.19 dBpV/m REF 80.0 dBpV/m LOG 10 dB/ PASS LIMIT #ATN 30 dB VA SB - when the way to a second a second way and the second and the second second second second second second second SC FC ACORR START 1.55900 GHz STOP 1.58000 GHz #IF BW 1.0 kHz AVG BW 10 kHz SWP 63.0 sec ,14:20:41 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.60481 GHz 29.66 dBpV/m LOG REF 80.0 dBp-V/m 10 dB7 PASS LIMIT #ATN 30 dB and man man and man mander and VA SB SC FC prostant when the market when ACORR

STOP 1.60500 GHz

Channel 6:

,13:51:48 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.56824 GHz 25.72 dBpV/m LOG REF 80.0 dBpV/m 10 dB/ PASS LIMIT #ATN 30 dB VA SB SC FC promotion with motion ACORR START 1.55900 GHz STOP 1.58000 GHz #IF BW 1.0 kHz AVG BW 10 kHz SWP 63.0 sec ,13:54:40 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.59394 GHz 31.63 dBpV/m LOG REF 80.0 dBpV/m 10 dB/ PASS LIMIT #ATN 30 dB ¢ VA SB Margan margan much warman warman mound when the second second SC FC ACORR START 1.58000 GHz STOP 1.60500 GHz #IF BW 1.0 kHz AVG BW 10 kHz SWP 75.0 sec

Channel 9:

13:49:21 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.57706 GHz 24.72 dBpV/m LOG REF 80.0 dBpV/m 10 dB/ PASS LIMIT #ATN 30 dB VA SB mannam SC FC Margaren Margaren March Margaren Margaren Margaren ACORR START 1.55900 GHz STOP 1.58000 GHz #IF BW 1.0 kHz AVG BW 10 kHz SWP 63.0 sec

,13:46:48 SEP 05, 2000

ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.60388 GHz 30.76 dBpV/m



Scan filename:	1559-1605_fcc_redo.mdb
Test setup:	RE, Horizontal polarization, maximised azimuth and elevation, antenna at 1.1m distance (limit of $-70 \text{ dBW/MHz} = 64 \text{ dB}\mu\text{V/m}$ for 1 MHz bandwidth, and limit of $-80 \text{ dBW/700 Hz} = 55.5 \text{ dB}\mu\text{V/m}$ for 1 kHz bandwidth)
EUT setup:	12 V _{DC} , 340 mA, S2001 call in progress

Graphs:

Channel 1:



Channel 6:

,14:25:06 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.59776 GHz 56.27 dBpV/m LOG REF 100.0 dBp-V/m 10 dB/ PASS LIMIT #ATN 30 dB Mandedraw mound more when the manufacture of the second se num VA SB SC FC ACORR START 1.55900 GHz STOP 1.60500 GHz #IF BW 1.0 MHz AVG BW 3 MHz SWP 20.0 msec

Channel 9:



1 kHz Bandwidth:

Channel 1:

,14:03:13 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK OP AVG MKR 1.57669 GHz 25.76 dBpV/m REF 80.0 dBpV/m LOG 10 dB/ PASS LIMIT #ATN 30 dB VA SB man man man and a second and a second and a second se SC FC Multiple Marchine Marchine allower ACORR START 1.55900 GHz STOP 1.58000 GHz #IF BW 1.0 kHz AVG BW 10 kHz SWP 63.0 sec ,14:06:51 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.59388 GHz 31.12 dBpV/m LOG REF 80.0 dBpV/m 10 dB/ PASS LIMIT #ATN 30 dB Ô VA SB wit man man man man marken have hanna hangebrye south marchener SC FC ACORR START 1.58000 GHz STOP 1.60500 GHz #IF BW 1.0 kHz AVG BW 10 kHz SWP 75.0 sec

,14:00:17 SEP 05, 2000 ACTV DET: PEAK MEAS DET: PEAK QP AVG MKR 1.57900 GHz 25.58 dBpV/m REF 80.0 dBpV/m LOG 10 dB/ PASS LIMIT #ATN 30 dB VA SB shru SC FC alon martine And property and a superior and a property and the second a sheet U٨ ACORR START 1.55900 GHz STOP 1.58000 GHz SWP 63.0 sec #IF BW 1.0 kHz AVG BW 10 kHz

,13:57:34 SEP 05, 2000





Channel 9:

