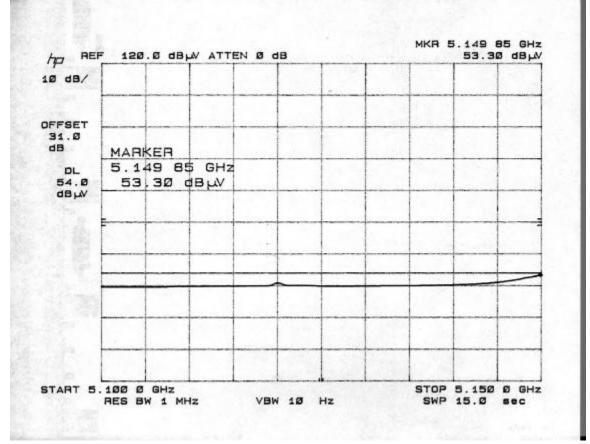
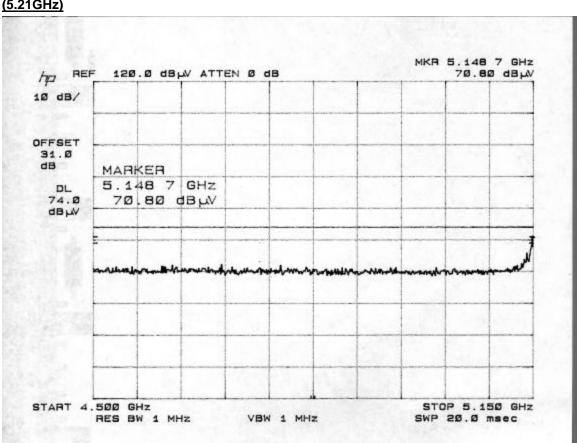


Page 71 of 101

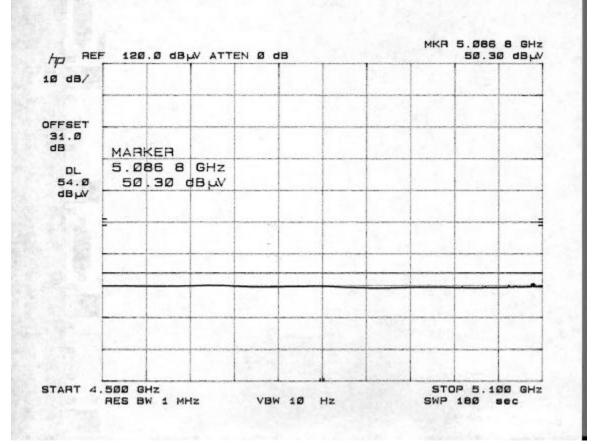


Page 72 of 101

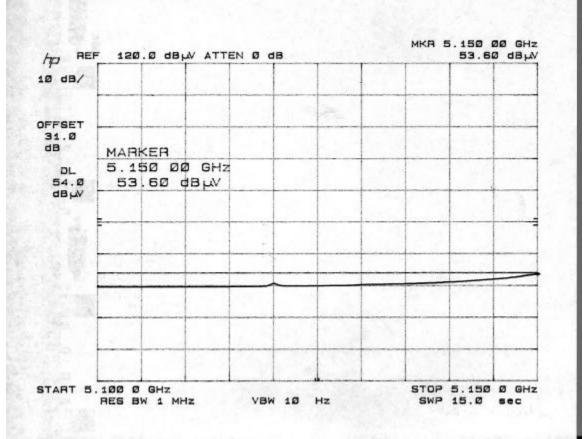


### <u>RESTRICTED BAND RADIATED EMISSIONS (TURBO MODE, VERTICAL POLARIZATION)</u> (5.21GHz)

Page 73 of 101



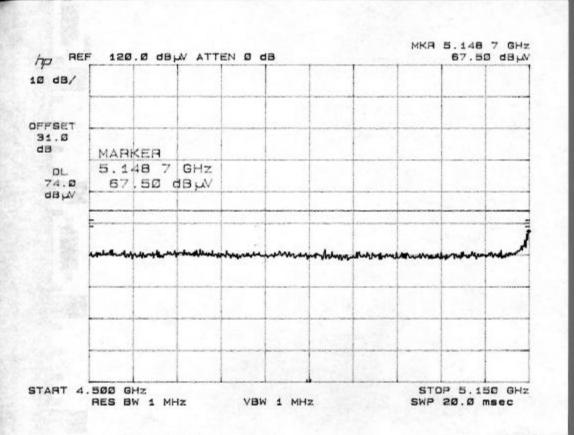
Page 74 of 101



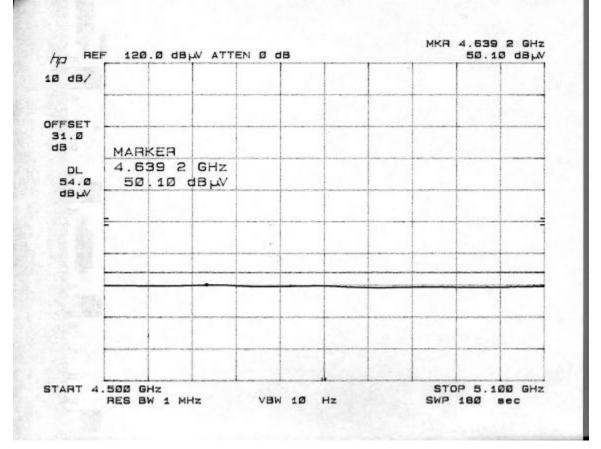
Page 75 of 101

### REPORT NO: 02U1731-1BDATE: FEBRUARY 20, 2003 EUT: 802.11 a/b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP FCC ID: MCLJ07H06901 RESTRICTED BAND RADIATED EMISSIONS (TURBO MODE, HORIZONTAL POLARIZATION)

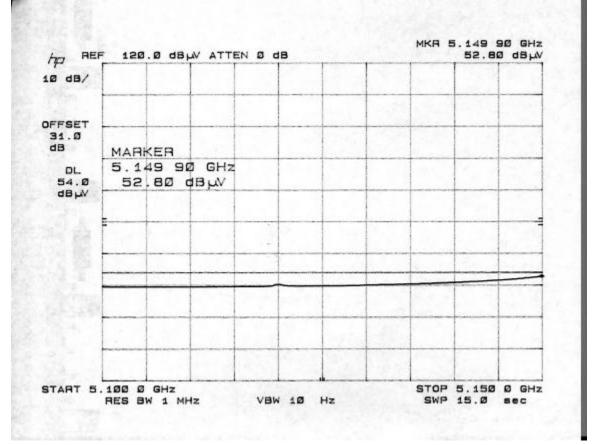
(5.21GHz)



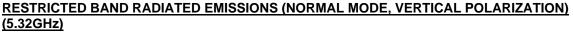
Page 76 of 101

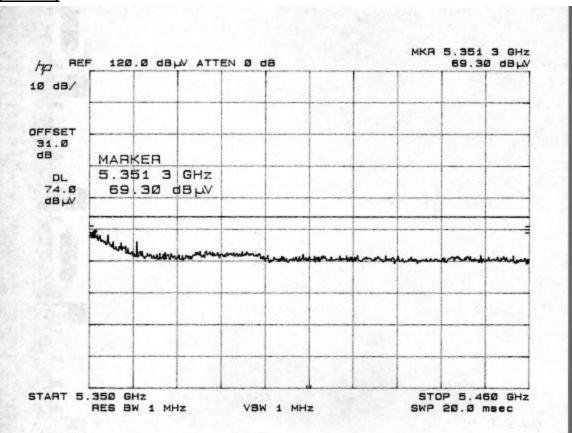


Page 77 of 101

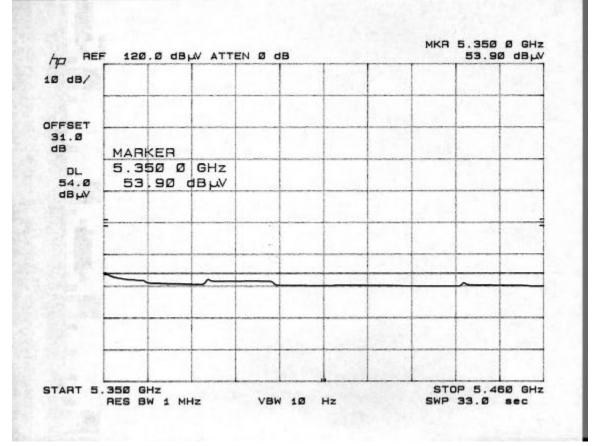


Page 78 of 101



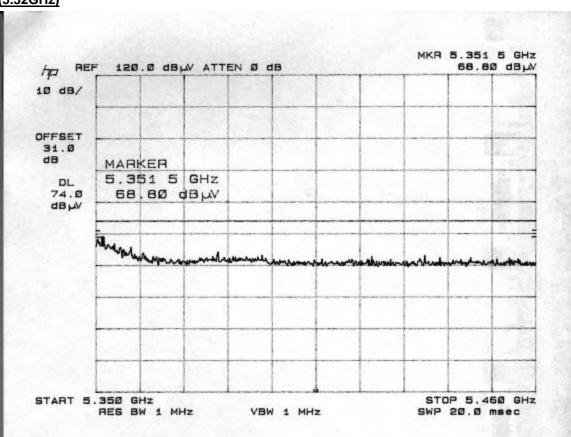


Page 79 of 101

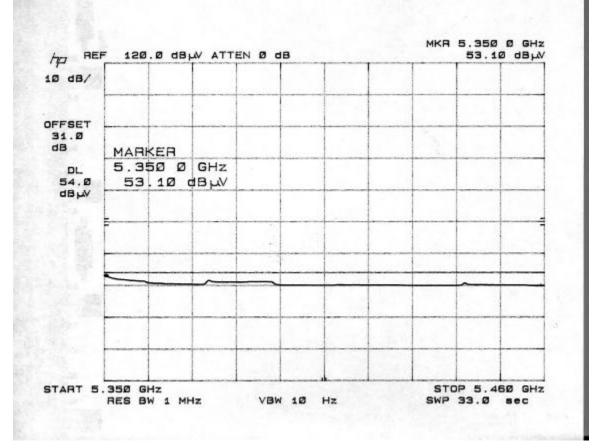


Page 80 of 101

### <u>RESTRICTED BAND RADIATED EMISSIONS (TURBO MODE, HORIZONTAL POLARIZATION)</u> (5.32GHz)

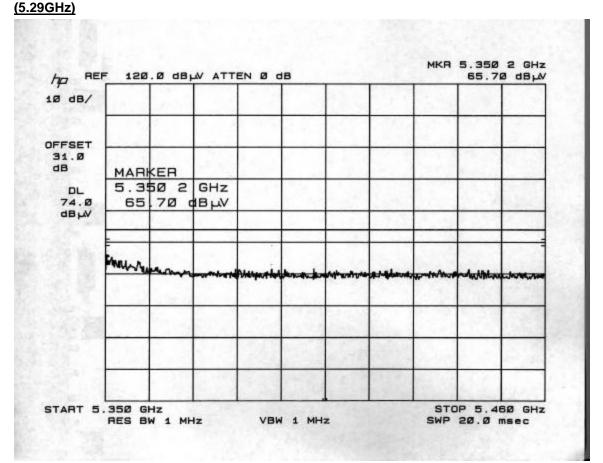


Page 81 of 101

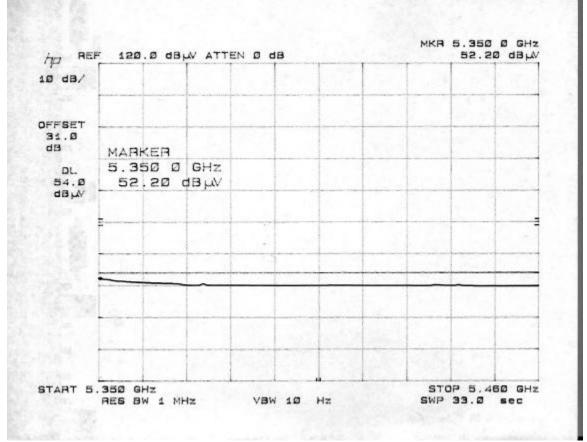


Page 82 of 101

# REPORT NO: 02U1731-1BDATE: FEBRUARY 20, 2003 EUT: 802.11 a/b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP FCC ID: MCLJ07H06901 RESTRICTED BAND RADIATED EMISSIONS (TURBO MODE, VERTICAL POLARIZATION)

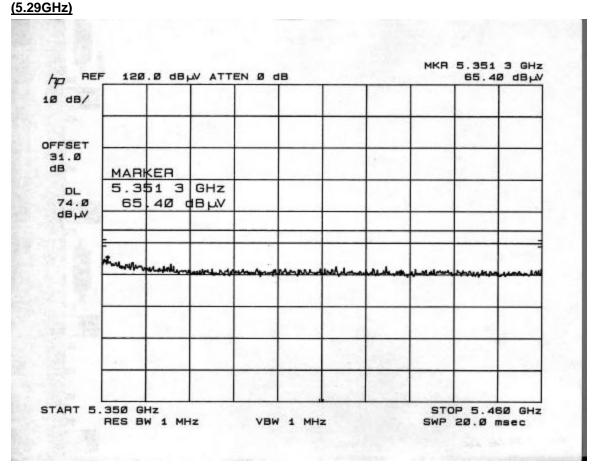


Page 83 of 101



Page 84 of 101

# REPORT NO: 02U1731-1BDATE: FEBRUARY 20, 2003 EUT: 802.11 a/b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP FCC ID: MCLJ07H06901 RESTRICTED BAND RADIATED EMISSIONS (TURBO MODE, HORIZONTAL POLARIZATION)



Page 85 of 101

hp RE										
		-			1000					
	1	100	1.36		141.5		101104			
FFSET	-					-	-			
31.Ø dB	MAR	KER								
DL	5.3	5Ø Ø	GHz							
54.Ø	51	7Ø	dB µV				1			
dB hN							11 13		1. 2	
	-	1								
	[	1.5								1
	-			+					-	
	-				-		-	-		
						-	-	-	-	
					5	-				
	-							1		
	1.1	1000			1.5.2.5	1		1.00		

Page 86 of 101

### HARMONIC AND SPURIOUS RADIATED EMISSIONS (NORMAL MODE)

01/11/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr	NEELESH RAJ
Project #:	0201731
Company:	AMECT MICROSYSTEMS
EUT Descrip.:	802.11 A/B/G MINI PCI CARD WITH AGENCY SERIES PP21701.APTOP
EUT M/N:	A/B/G CARD
Tost Target:	POC
Mode Oper:	TX

#### Test Equipment:

15	bet)	EMCOL	iern 1-186Hz		Pre-a	mplifer l	-26GHz	Sp	ectrun Ana	dyne x		Harr	s >18GHz	9	
	-	173; 5/	1:6717 @lm	-	HP 84	49B		85	66B Analyse	п -				*	
		172) S.M. 67	19			ISP2546-4									
eak M	eastur er				Avers		surement								
		Repotation B Fideo Bandw					erolution Be eo Banchrid				Id	indit	1		
											FCC 15.2	05 v			
f	Dist	Read Pk	Read Avg.	AF	CL	Ano	D Corr	HPF	Peak	Avg	Pk Lim	Avg Lim	Pk Mar	Avg Mar	Notes
GHz	feet	dBuV	dBuV	dBim	dB	dB	dB		dBuVin	dBuV/m	dBuVin	dBuV/m	dB	dB	
"NOI	MAL I	MODE (ne	stricted hand	Û											
	1			1	1										
10000		48.7	-	Contractor and the second	sector products	18GHZ				100					
15.540	33		38.9	38.9	11.4	-33.0	-9.5	1.0	57.6	47.8	74.0	54.0	-16.4	-62	V
15.540	33	48.7	38.9	38.9	114	-33.0	-95	1.0	57.6	47.8	74,0	54.0	-164	-6.2	Н
				HARM		24GHZ									
15.720	3.3	42.6	30.0	38.8	11.5	-33.0	-9.5	1.0	51.5	38.9	74,0	54.0	-22.5	-15.1	v
15.720	3.3	42.3	101	38.8	115	-33.0	-9.5	10	51.2	39.0	74,0	54.0	-22.8	-15.0	Н
			B	ARMON	acs of	5.26 GH	ż		1						
15.783	3.3	38.1	30.2	38.8	11.0	-33.0	-9.5	1.0	47.0	39.1	74,0	54.0	-27.0	-14.9	v
15.783	33	38.7	30.3	38.8	11.6	-33.0	-95	1.0	47.6	39.2	74.0	54.0	-26.4	-14.5	н
	-				1					1					
10.640	3.3	46.5	36.2		8.9	32GHZ	.9.5	1.0	51.9	41.6	74.0	54.0	.22.1	-12.4	v
the standard lands	3.3	40.5	particular sector and the sector sector	39.2	8.9	-34.2	dente distante protected	1.0	51.9	and the second second second second		54.0	-22.1	-12.4	in the second seco
10,640	33	48.7	36.2	39.2	11.7	-34.2	-9.5	1.0	57.7	41.6	74,0	54.0	-16.3	-124	H V
15,960	33	48.7	38.9	38.7	11.7	-329	-95	1.0	513	47.9	74.0	54.0	-16.3	-6.1	H
Contract of the local division of the local	L.			1	1				1					1	

Page 87 of 101

01/11/03 High Frequency Measurement Compliance Certification Services, Morgan Hill Open Field Site

Test Engr:	NEELESH RAJ
Project #:	0201731
Company:	AMELT MICROSYSTEMS
EUT Descrip.:	802.11 A/B/G MINI PCI CARD WITH AGENCY SERIES 7P2170 LAPTOR
EUT M/N:	A/B/G CARD
Test Target:	FCC
Mode Oper:	TX

Test Equipment:

		ra 1-18CH			mplifter 1-		-	ctrun Anal			Harr	1 > 18GHz
-	T73; S/N:	6717 @lm	*	HP S	49B	+	856	6B Analyze	•	1		•
MHs!				10000		suremen solution B	en.dwidth			Li	ndi .	
Dist	Read Pls	AF	CL	Amp	D Corr	HPF	Peak	FIRP	Peak	Pk Lina	Pk Mar	Notes
feet	dBuV	dB/m	dB	dB	dB		dBuVin	Соп	dBan	FIRP	dB	
1 <i>L M</i> (	DE (non-re	stricted b	and)	1						- CLORE		
			in the second second									
22	16.5		design proceedings and			10	520	.05 2	13.7		36.2	ý ·
33		states and and and a set of the	and the second s			10				.7.0	-36.2	н
			1	-	1							
12.00		HARM		5.24GH	5						34.5	
33	40.3	39.2	8.9	34.3	.95	1.0	45.6	-95.2	-49.6	.7.0	-42.6	v
33	40.2	30.2	8.9	-34.3	-9.5	10	45.5	-05.2	-49.7	-7.0	-42.7	H
		HARMO	NICS OF	5.26G	12	-			1.1.1.1	1		
33	60.0	39.2	8.9	-34.3	.98	1.0	653	.98.2	-29.9	-7.0	-22.9	Ý
3.3	59.9	39.2	8.9	-34.3	.98	1.0	65.2	.95.2	-30.0	-7.0	-23.0	н
Think	Read Area	4.17	CT.	1.4	D Car	UPF	A	TIDD		Aug Tim	A	Notes
C 220	C					mr		0.00120000				14 otes
1001	dBuv	dBm	dB	aB	(UB		dBuv in	Corr	dBan		đВ	
			1	1		-				dBan		
												v
a property in	soluti materiale presentes statutes				desired presenters made						the intermed contractory sin	<u>v</u> н
3.5	30.2	39.0	8.8	-344	.70	1.0	41.7	-90.2	-00.0	-212	-20.0	<b>H</b>
	1000	HARM	IONICS :	5.24GH	5				1	1	1000	
33	31.1	39.2	8.9	-343	.95	1.0	36.4	.95.2	-58.8	-27.8	-31.8	v
3.3	32.0	39.2	8.9	-34.3	.95	1.0	37.3	.95.2	-57.9	-27.8	-30.9	Ĥ
			NICS OF		177							
			U CJ DI	9.2068			38.1	-95.2	-57.1	-27.0	-30.1	v
33	328	39.2	8.9	-34.3	-95	1.0						
	Dist foot 112 MC 33 33 33 33 33 33	MHX Video Bandwidi Dist Read Pls foot dBuV LL MODE (non-re 33 465 33 465 33 465 33 403 33 402 33 599 Dist Read Avg foot dBuV 33 362	foot dBuV dBin LL MODE (non-restricted b HARM 3.3 46.5 39.5 3.3 46.5 39.5 HARM 3.3 40.3 39.2 3.3 40.2 39.2 3.3 40.2 39.2 HARM 3.3 60.0 39.2 3.3 59.9 39.2 Dist Read Avg, AF foot dBuV dBin HARM 3.3 36.2 39.5	IMER Video Bandwidth       Dist     Read Pls     AF     CL       foot     dBuV     dBim     dB       LL MODE (non-restricted band)     HARMONCS       33     46.5     39.5     8.8       33     46.5     39.5     8.8       33     40.3     39.2     8.9       33     40.2     39.2     8.9       33     40.2     39.2     8.9       33     40.2     39.2     8.9       33     60.0     39.2     8.9       33     59.9     39.2     8.9       Dist     Read Avg     AF     CL       foot     dBuV     dB'm     dB       HARMONCS     33.3     36.2     39.5     8.8       33     36.2     39.5     8.8     3.3	MHR Video Bandwidth       Dist     Read Pls     AF     CL     Amp dB m       foot     dBuV     dB m     dB     dB       foot     dBuV     dB m     dB     dB       LL     MODE (non-restricted band)     -     -       33     465     395     8.8     -34.4       33     465     395     8.9     -34.3       33     40.3     39.2     8.9     -34.3       33     40.2     39.2     8.9     -34.3       33     40.2     39.2     8.9     -34.3       33     60.0     19.2     8.9     -34.3       33     69.9     39.2     8.9     -34.3       Dist     Read Avg     AF     CL     Amp foot     dBuV     dB m       HARMONICS 5.18(480)     18     18     -34.4     -33     36.2     39.5     8.8     -34.4	MHR Video Bandwidth     IIEE Video       Dist     Read Pk dB w     AF dB m     CL     Amp dB     Dear dB     Car dB       LL MODE (non-restricted band)     HARMONICS 5.18GHZ     34     95       33     465     395     B8     344     95       33     465     395     B8     344     95       33     465     392     B9     343     95       HARMONICS 0F 5.26GHZ     33     40.2     392     B9     34.3     95       HARMONICS 0F 5.26GHZ     33     40.2     392     B9     34.3     95       HARMONICS 0F 5.26GHZ     33     99     392     B9     34.3     95       Bist     Read Avg     AF     CL     Amp     D Cour       foot     dBuV     dBin     dB     dB     4B       33     362     395     B8     34.4     9.5	MHR Video Bandwidth     Diff: Video Bandwidth     Diff: Video Bandwidth       Dist     Read Pk     AF     CL     Amp     D Corr     HPF       foot     dBuV     dB'm     dB     dB     dB     dB     dB       LL MODE (non-restricted band)     Image: Construct of band)     Image: Construct of band (Construct	MHR Video Bandwidth     MEx Video Bandwidth       Dist     Read Pls dBuV     AF dB'm     CL dB     Amp dB     D Cerr dB     HPF dB     Peak dBuV       10     dB uV     dB     dB <td>MHR Video Bandwidth     Differ Video Bandwidth       Dist     Read Pk dB w     AF dB m     CL dB     Amp dB     D Cerr dB     HPF dB     Peak dB w     EIRP Corr       LL MODE (non-restricted band)     I     I     I     I     I     Corr       33     46.5     39.5     8.8     34.4     9.5     1.0     52.0     95.2       33     46.5     39.5     8.8     34.4     -9.5     1.0     52.0     -95.2       33     40.5     39.5     8.8     34.4     -9.5     1.0     52.0     -95.2       33     40.3     39.2     8.9     34.3     -9.5     1.0     45.6     .95.2       33     40.3     39.2     8.9     34.3     -9.5     1.0     45.5     .95.2       33     40.2     39.2     8.9     34.3     -9.5     1.0     65.3     .95.2       33     99.9     .92.2     8.9     .94.3     .9.5     1.0     65.2     .95.2       <t< td=""><td>INHE Video Bandwith   Dist Read Pls AF CL Arap D Cerr HPF Peak EIRP Peak   foot dBuV dBin dB dB dB dB dB dB dB dBnV Corr dBan   LL MODE (non-restricted band) I I I I I I I   33 465 395 88 344 .95 1.0 52.0 .95.2 .45.2   33 465 39.5 8.8 .34.4 .95 1.0 52.0 .95.2 .45.2   33 40.3 39.2 8.9 .34.3 .95 1.0 45.6 .95.2 .49.2   33 40.2 39.2 8.9 .34.3 .95 1.0 45.5 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.3 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.2 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.2 .95.2 .30.9   Dist Read Avg&lt;</td><td>INHER Video Bandwidth     List       Dist     Read Pk dBw     AF dBim     CL     Amp dB     D Cerr dB     HPF dB     Peak dB     EIRP dB     Peak dB     Peak dB     <t< td=""><td>IMER Video Bandwidth     IMER Video Bandwidth       Dist     Read Pis     AF     CL     Amp     D Corr     HPF     Peak     EIRP     Peak     Peak     Pir Man     Pir Man</td></t<></td></t<></td>	MHR Video Bandwidth     Differ Video Bandwidth       Dist     Read Pk dB w     AF dB m     CL dB     Amp dB     D Cerr dB     HPF dB     Peak dB w     EIRP Corr       LL MODE (non-restricted band)     I     I     I     I     I     Corr       33     46.5     39.5     8.8     34.4     9.5     1.0     52.0     95.2       33     46.5     39.5     8.8     34.4     -9.5     1.0     52.0     -95.2       33     40.5     39.5     8.8     34.4     -9.5     1.0     52.0     -95.2       33     40.3     39.2     8.9     34.3     -9.5     1.0     45.6     .95.2       33     40.3     39.2     8.9     34.3     -9.5     1.0     45.5     .95.2       33     40.2     39.2     8.9     34.3     -9.5     1.0     65.3     .95.2       33     99.9     .92.2     8.9     .94.3     .9.5     1.0     65.2     .95.2 <t< td=""><td>INHE Video Bandwith   Dist Read Pls AF CL Arap D Cerr HPF Peak EIRP Peak   foot dBuV dBin dB dB dB dB dB dB dB dBnV Corr dBan   LL MODE (non-restricted band) I I I I I I I   33 465 395 88 344 .95 1.0 52.0 .95.2 .45.2   33 465 39.5 8.8 .34.4 .95 1.0 52.0 .95.2 .45.2   33 40.3 39.2 8.9 .34.3 .95 1.0 45.6 .95.2 .49.2   33 40.2 39.2 8.9 .34.3 .95 1.0 45.5 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.3 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.2 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.2 .95.2 .30.9   Dist Read Avg&lt;</td><td>INHER Video Bandwidth     List       Dist     Read Pk dBw     AF dBim     CL     Amp dB     D Cerr dB     HPF dB     Peak dB     EIRP dB     Peak dB     Peak dB     <t< td=""><td>IMER Video Bandwidth     IMER Video Bandwidth       Dist     Read Pis     AF     CL     Amp     D Corr     HPF     Peak     EIRP     Peak     Peak     Pir Man     Pir Man</td></t<></td></t<>	INHE Video Bandwith   Dist Read Pls AF CL Arap D Cerr HPF Peak EIRP Peak   foot dBuV dBin dB dB dB dB dB dB dB dBnV Corr dBan   LL MODE (non-restricted band) I I I I I I I   33 465 395 88 344 .95 1.0 52.0 .95.2 .45.2   33 465 39.5 8.8 .34.4 .95 1.0 52.0 .95.2 .45.2   33 40.3 39.2 8.9 .34.3 .95 1.0 45.6 .95.2 .49.2   33 40.2 39.2 8.9 .34.3 .95 1.0 45.5 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.3 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.2 .95.2 .49.6   33 40.2 39.2 8.9 .34.3 .95 1.0 .65.2 .95.2 .30.9   Dist Read Avg<	INHER Video Bandwidth     List       Dist     Read Pk dBw     AF dBim     CL     Amp dB     D Cerr dB     HPF dB     Peak dB     EIRP dB     Peak dB     Peak dB <t< td=""><td>IMER Video Bandwidth     IMER Video Bandwidth       Dist     Read Pis     AF     CL     Amp     D Corr     HPF     Peak     EIRP     Peak     Peak     Pir Man     Pir Man</td></t<>	IMER Video Bandwidth     IMER Video Bandwidth       Dist     Read Pis     AF     CL     Amp     D Corr     HPF     Peak     EIRP     Peak     Peak     Pir Man     Pir Man

Page 88 of 101

### HARMONIC AND SPURIOUS RADIATED EMISSIONS (TURBO MODE)

01/11/03	High	Frequency	Measurem	ent											
Complia	are Ce	ertification	Services, M	lorgan	Hill Op	pon Fiel	d Site								
Test En; Project : Compon	gr: +: y: scrip.: N: rget: per: uipmer	NEELESH R DZUITJI AMBIT MIK SIZII A/BA A/BAO GARI FOC TX TX EMCO H T73; S/R	AJ ROSYSTEMS 5 MINT PCI CA D ora 1-18GH :6717 @la _	RD WIT	H AGE Pre-an HP S44	NCY SERI Politice 1-0 1918	ES PF2170 L	5	ipecirum An 566B Analy			Herr	n > 186Ha		<u>•</u>
Peak M	1 MHz	172; SdE 673 memts: Revolution B fideo Bandwi	endwidth.			I MHz R	es and ennen social de la social de la social de la social de la s de la social de la so de la social de la social de la social de social de la social de la soci	andwid	њ		Foc 15.2	mit 05 v			
f	Dist	Read Pk	Read Avg.	AF	CL	Amp	D Corr	HPF	Peak	Avg		Avg Lim	Pk Mar	Ave Mar	Notes
GHz		dBuV	dBuV	dBin	10000	dB	dB			dBuV/m			dB	dB	210000
and the second se	and the second second	And a local division of the local division o	victed hand		1		1	P			100 10 1 200	100101-000			
							1	1							
				RMONI	CS 5.21	GHs TUR	and this are seen as								
15.630	33	45.7	38.9	38.8	11.5	-33.0	.95	1.0	67.6	47.8	74.0	64.0	-16.4	-6.2	<u> </u>
15.630	3.3	48.7	38.9	38.8	11.5	-33.0	.95	1.0	57.6	47.8	74.0	54.0	-16.4	-6.2	н
			114	RMON	CS OF	5.25TUR	80			+					
15.750	33	40.0	29.7	38.8	11.6	-33.0	.95	1.0	48.9	38.6	74.0	54.0	-25.1	-15.4	v
15.750	3.3	40.0	29.8	38.8	11.6	.33.0	.95	1.0	48.9	38.7	74.0	54.0	-25.1	-153	Н
						L	1								)
			dance instally initially property a	gain country of a	and the state of the second	GHa TUR	second problems in the second second						_		
15.870	33	48.7	38.9	38.8	11.6	-32.9	95	1.0	57.6 57.6	47.8	74.0	54.0 54.0	-16.4	-6.2	<u>ү</u> Н
							1								
	f Dist Read AF CL	Measurem Distance to Analyzer R Anterna F Cable Los	leading actor	y		Amp D Corr Avg Pesk HPF	Average	Corre Field S d Peal	tt to 3 met Strength @ k Field Str	3 m.		Pk Lim Avg Mar	Peak Fiel Margin vs	Sield Strengti d Strength Li : Average Li : Peak Limit	mit mit

Page 89 of 101

est En:	gar:	NEELESH RA	J										
Project :		0201731	14										
empan		AMBIT MIKE	COSYSTEMS										
UT De	scrip.:	\$1211 A/B/G	MINI PCI CA	RD WII	H AGE	CYSERIE	5 PP2170	LAPTOP					
UT M	N:	A/B/O CARD											
est Tar		FCC											
føde O	per:	TX											
est Eq	uiproen	ut:											
Cable (S	Hef)	EMCO Ha	ra 1-18GHz	10	Pre-an	plifer 1-26	CHa	Sp	ectrum An	alyzer		Her	n > 18GHa
15	-	T73; S/N: 0	6717 @l <b>n</b> -		HP 844	98	*	85	66B Analys	rr +			
		T72: 549: 4739	2. A	2 10			. 5			100	12		
eak M	1 MHz		ulwidth.			isp2696-44 ige Meas 1 MHz Re 10Hz Vide	solution l	Benutwidth			ш	mit	
											10000000	-	
f	Dist	Read Pk	AF	CL	Amp	D Cerr	HPF	Peak	FIRP	Peak	Pk Line	Pk Mar	Notes
GHz	feet	dBuV	dB/m	dB	dB	dB		BuVr	Corr	dBm	EIRP	dB	
											dBm		
TURE	0 100	DE (non-re-	eniced has	wD.	-								
	- mo	and (monore	ALCOND PUR				100	1-1	<u>का ल</u>	1000		100	
			HARMOND	CS 5.21	GHZ TU	RBO		1 and	Sec. And				
10.420	33	46.5	39.4	8.9	-34.3	.9.5	1,0	51.9	-95.2	43.3	-7.0	-36.3	Ÿ
10.420	33	46.5	39.4	8.9	-34.3	-9.5	10	51.9	-95.2	-43.3	.7.0	-36.3	H
											· · · · · ·		
10.500	3.3	40.1	HARMOND 39.2	8.9	GHZ TU	-95	1.0	45.4	-95.2	-49.8	70	-12.8	v
10,500	3.3	39.0	39.2	8.9	34.3	.95	1.0	44,3	-95.2	-49.8	-7.0	-43.9	Y H
	-				1			1				-100	
			HARMONICS	OF 5.2	9GHZ T	URBO							
10.580	3.3	46.5	39.2	8.9	-34.3	-9.5	1.0	51.9	-95.2	-43.3	-7.0	-36.3	Υ
10.580	33	46.5	39.2	8.9	-34.3	-0.5	1.0	51.9	-95.2	-43.3	-7.0	-36.3	H
	704	0.11		07		D.O.	NEW	1.1	TITLE				17
f	100 X84 X	Read Avg.	AF	CL	100.07	DCer	HPF	Avg	FIRP	Avg	1	Avg Mar	Notes
GHz	feet	dBuV	dB/m	đB	dB	dB		BaVa	Con	dBm	EIRP	dB	
					1		1	12 3	1.0.00		dBm		
10.105			HARMOND					100			100		
10.420	33	36.2	39.4	8,9	-34.3	-9.5	1.0	41.6	-95.2	-53.6	-27.0	-26.6	
10.420	3.3	36.2	39.4	8.9	-34.3	-95	1.0	41.6	-95.2	.53.6	-27.0	-26.6	v
		1	HARMOND	CS 5.25	GHZ TU	RBO		1-1	1.1.1		1		
10,500	3.3	30.8	39.2	8.9	-34.3	.9.5	1.0	36.1	-95.2	.59.1	-27.0	-32.1	
10.500	33	31.0	39.2	8.9	-34.3	-9.5	1.0	36.3	-95.2	-58.9	-27.0	-31.9	
	-	i			1						1		Ŷ
10 510			HARMONICS					-	04.5		400		н
10.580	3.3	36.2	39.2	8.9	.343	.9.5	1.0	41.6	.95.2 .95.2	.53.6	-27.0	-26.6 -26.6	<u>v</u>
	f Dist Read AF	36.2 Measuremen Distance to Analyzer Re Anterna Fao	Antenna ading	7	343	D Corr Arg	Preamp Distance Average	Gain : Correct : Field St	to 3 mete rength @ Field Stre	3 m.	27.0	Avg Lim Pk Lim Avg Mar	H Average Field Strength Limit Peak Field Strength Limit Margin vs. Average Limit Margin vs. Peak Limit

Page 90 of 101

### REPORT NO: 02U1731-1BDATE: FEBRUARY 20, 2003 EUT: 802.11 a/b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP FCC ID: MCLJ07H06901 DIGITAL DEVICE RADIATED EMISSIONS

Correctification Services     FC, VCCI, CISPR, CE, AUSTEL, NZ UL, CSA, TUV, BSM, DHHS, NVLAP     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0685     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0685     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 PHONE: (408) 463-0686     S61F MONTEREY ROAD, SAN JOSE, CA 95037-9001 EUT/AC ADAPTER/MONITOR/USB MOUSE     S61F MONTEREY ROAD, SAN JOSE, CISPR22-B     Mode of Operation:     TX												
Freq.	Reading	AF	Closs	Pre-amp	Level	Limit	Margin	Pol	Az	Height	Mark	
(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	EN B	(dB)	(HAV)	(Deg)	(Meter)	(P/Q/A)	
628.67 133.33 133.33 624.10 628.68 624.10 6 Worst	36.96 38.80 38.20 34.70 34.20 33.90 Data	18.74 11.33 11.33 18.74 18.74 18.74	6.45 2.86 2.86 6.42 6.45 6.42	28.96 28.34 28.34 28.95 28.96 28.95	33.20 24.66 24.06 30.91 30.44 30.11	37.00 30.00 37.00 37.00 37.00	-3.80 -5.34 -5.94 -6.09 -6.56 -6.89	10mV 10mH 10mH 10mH 10mH	180.00 180.00 180.00 180.00 135.00 180.00	3.00 1.00 1.00 1.00 1.00		

# 8.12. POWERLINE CONDUCTED EMISSIONS

# TEST SETUP

The EUT is placed on a wooden table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane on the floor.

The EUT is set to transmit in a continuous mode.

## TEST PROCEDURE

The resolution bandwidth is set to 10 kHz for both peak detection and quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

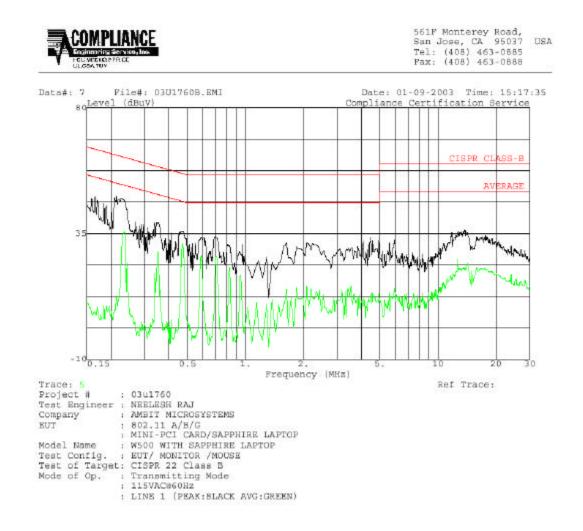
Line conducted data is recorded for both NEUTRAL and HOT lines.

### **RESULTS**

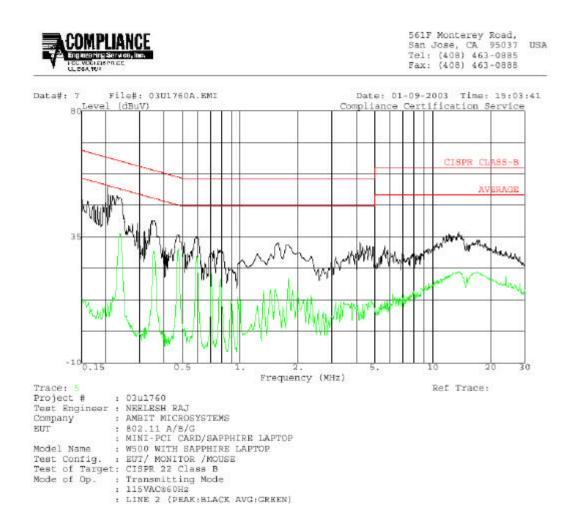
No non-compliance noted:

	CONDUCTED EMISSIONS DATA (115VAC 60Hz)														
Freq.		Reading		Closs	Limit	EN_B	Margi	Remark							
(MHz)	PK (dBuV)	QP (dBuV)	AV (dBuV)	( <b>dB</b> )	QP	AV	QP (dB)	AV (dB)	L1/L2						
0.21	48.42		12.85	0.00	64.17	54.17	-15.75	-41.32	L1						
0.17	48.12		6.84	0.00	65.57	55.57	-17.45	-48.73	L1						
0.18	45.84		9.16	0.00	65.06	55.06	-19.22	-45.90	L1						
0.21	52.82		11.35	0.00	64.43	54.43	-11.61	-43.08	L2						
0.22	49.76		13.66	0.00	64.09	54.09	-14.33	-40.43	L2						
0.35	40.55		29.86	0.00	60.17	50.17	-19.62	-20.31	L2						
6 Worst Data															

Page 92 of 101

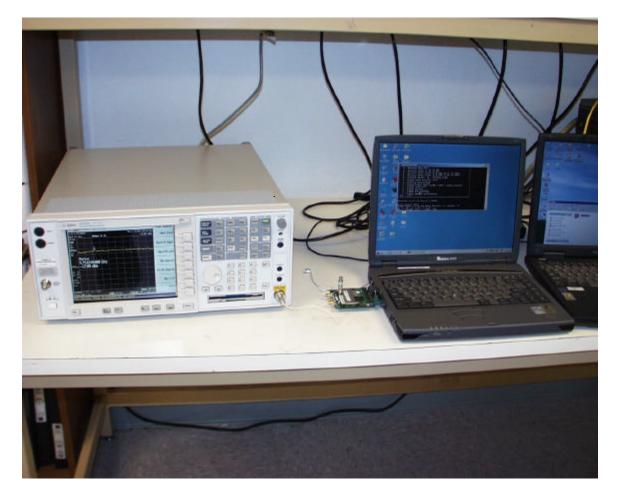


Page 93 of 101



Page 94 of 101

# 8.13. SETUP PHOTOS ANTENNA PORT CONDUCTED RF MEASUREMENT SETUP



Page 95 of 101



RADIATED RF MEASUREMENT SETUP

Page 96 of 101



Page 97 of 101

### REPORT NO: 02U1731-1BDATE: FEBRUARY 20, 2003 EUT: 802.11 a/b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP FCC ID: MCLJ07H06901 DIGITAL DEVICE RADIATED EMISSIONS MEASUREMENT SETUP



Page 98 of 101

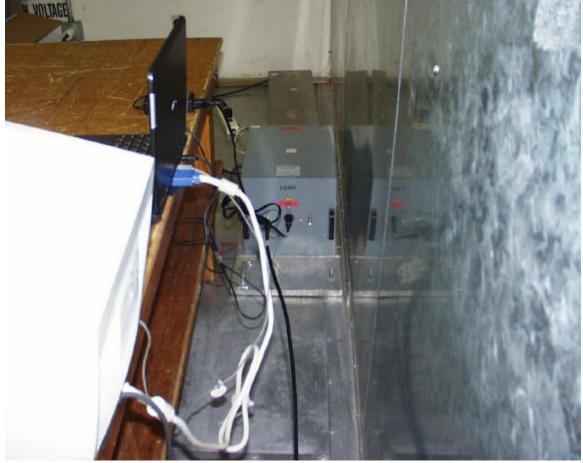


Page 99 of 101

REPORT NO: 02U1731-1BDATE: FEBRUARY 20, 2003 EUT: 802.11 a/b/g MINI PCI CARD WITH AGENCY SERIES PP2170 LAPTOP FCC ID: MCLJ07H06901 POWERLINE CONDUCTED EMISSIONS MEASUREMENT SETUP



Page 100 of 101



# **END OF REPORT**

Page 101 of 101