

with Bluetooth

To: FCC 47 CFR Part 15.407 & RSS-210 A9

Serial #: POLY21-U2b Rev A

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7.9.1 <u>Stand Alone Charger - Conducted Disturbance at Mains Terminal (150 kHz – 30 MHz)</u>

Test	t Freq.	N/A			l		Engineer	EVF		
V	Variant		AC Line Emissions				Temp (°C) 21.5			
Freq. Range		0.150 MHz - 30 MHz			Rel	Rel. Hum. (%) 34				
Power Setting		Charger: 120VAC/60Hz			Press	s. (m Bars)	ars) 1007			
Antenna		Intergal								
Test N	lotes 1	Hands	et (Model: 8	8450) w itl	h discharged bat	tery (S/N: A0	C10103200B	7) , head	set con	nected, also
				<u> </u>	del: SA106B-05)					
Test N	otes 2	Mode:	BT Channe	el 39 Rece	eive; WLAN Chan	nel 06 Recei	ive; WLAN=	1, BT=1, I	BC=1, E)K=1
dBuV Vasona by EMISoft 22 Nov 10 17:35 [1] Live [2] Neutral Ouasi It Ophysical Power January: MHz 100 100 Power Line Conducted Emissions Filename: k:\program\polycom\poly06 - phoenix foc ic\foc part 15 b; ices-003\8460\data\radiate									ਗ ਖ਼ਿ	
Farma II.		File			 issions com\poly06 - phoer	T nix fee ie\fee p			ACMains data vadi	ate
Formally Frequency MHz	y mea	File			issions com/poly06 - phoer eaks	Tnix fee ie\fee p			ACMains data vadi Pass /Fail	Comments
Frequency	Raw	asure Cable	d emis:	sion pe	eaks		emplate: FCC part 15 b; ices Limit	15,107B / -003\8450\	Pass	
Frequency MHz	Raw dBuV	asure Cable Loss	d emiss	Level dBuV	issions com/poly06 - phoer eaks Measurement Type	Line	emplate: FCC part 15 b; ices Limit dBuV	15,107B / -003\8450\ Margin dB	Pass /Fail	
Frequency MHz 0.535	Raw dBuV	Cable Loss	d emiss	Level dBuV 45.2	eaks Measurement Type Quasi Peak	Line Neutral	Limit dBuV	Margin dB -10.8	Pass /Fail Pass	
Frequency M Hz 0.535 0.535	Raw dBuV 35.2 24.4	Cable Loss 9.9	Factors dB 0.1 0.1	Level dBuV 45.2 34.5	eaks Measurement Type Quasi Peak Average	Line Neutral Neutral	Limit dBuV 56 46	Margin dB -10.8	Pass /Fail Pass Pass	
Frequency MHz 0.535 0.535 0.553	Raw dBuV 35.2 24.4 36.1	Cable Loss 9.9 9.9	Factors dB 0.1 0.1	Level dBuV 45.2 34.5 46.1	e a ks Measurement Type Quasi Peak Average Quasi Peak	Line Neutral Neutral Neutral	Limit dBuV 56 46	Margin dB -10.8 -11.5 -9.9	Pass /Fail Pass Pass	
Frequency MHz 0.535 0.535 0.553 0.553	Raw dBuV 35.2 24.4 36.1 22.3	Cable Loss 9.9 9.9 9.9	Factors 0.1 0.1 0.1 0.1	Level dBuV 45.2 34.5 46.1 32.3	Measurement Type Quasi Peak Average Quasi Peak Average	Line Neutral Neutral Neutral Neutral	Limit dBuV 56 46 56 46	Margin dB -10.8 -11.5 -9.9 -13.7	Pass /Fail Pass Pass Pass	
Frequency MHz 0.535 0.535 0.553 0.553 0.615	Raw dBuV 35.2 24.4 36.1 22.3 25.3	Cable Loss 9.9 9.9 9.9 9.9 10.0	Factors dB 0.1 0.1 0.1 0.1 0.1	Level dBuV 45.2 34.5 46.1 32.3 35.3	Measurement Type Quasi Peak Average Quasi Peak Average Average Average	Line Neutral Neutral Neutral Neutral Neutral	Limit dBuV 56 46 46 46	Margin dB -10.8 -11.5 -9.9 -13.7 -10.7	Pass /Fail Pass Pass Pass Pass	
Frequency MHz 0.535 0.535 0.553 0.553 0.615 0.615	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3	Cable Loss 9.9 9.9 9.9 10.0	Factors dB 0.1 0.1 0.1 0.1 0.1 0.1	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3	Measurement Type Quasi Peak Average Quasi Peak Average Average Average Quasi Peak	Line Neutral Neutral Neutral Neutral Neutral Neutral	Limit dBuV 56 46 46 46 56	Margin dB -10.8 -11.5 -9.9 -13.7 -6.7	Pass /Fail Pass Pass Pass Pass Pass	
Frequency MHz 0.535 0.535 0.553 0.553 0.615 0.615	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3 33.5	Cable Loss 9.9 9.9 9.9 10.0 10.0	d emiss Factors dB 0.1 0.1 0.1 0.1 0.1 0.1 0.1	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3 43.5	Measurement Type Quasi Peak Average Quasi Peak Average Average Average Quasi Peak Quasi Peak	Line Neutral Neutral Neutral Neutral Neutral Neutral Neutral Neutral	Limit dB uV 56 46 56 46 56 56	Margin dB -10.8 -11.5 -9.9 -13.7 -10.7 -6.7 -12.5	Pass /Fail Pass Pass Pass Pass Pass Pass	
Frequency MHz 0.535 0.535 0.553 0.553 0.615 0.615 0.800	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3 33.5 22.7	Cable Loss 9.9 9.9 9.9 10.0 10.0 10.0	d emiss Factors dB 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3 43.5 32.7	Measurement Type Quasi Peak Average Quasi Peak Average Average Average Quasi Peak Average Average Average Average Average Average Average Average Average	Line Neutral Neutral Neutral Neutral Neutral Neutral Neutral Neutral	Limit dBuV 56 46 46 46 56 46 46 46	Margin dB -10.8 -11.5 -9.9 -13.7 -6.7 -12.5 -13.3	Pass /Fail Pass Pass Pass Pass Pass Pass Pass	
Frequency MHz 0.535 0.535 0.553 0.553 0.615 0.615 0.800 0.800 19.462	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3 33.5 22.7 35.1	Cable Loss 9.9 9.9 9.9 10.0 10.0 10.0 10.5	### Company of the co	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3 43.5 32.7 46.3	Measurement Type Quasi Peak Average Quasi Peak Average Average Quasi Peak Average Average Quasi Peak Average Quasi Peak Average Quasi Peak Quasi Peak Quasi Peak	Line Neutral Neutral Neutral Neutral Neutral Neutral Neutral Neutral Live	Limit dB uV 56 46 56 46 56 46 56 60	Margin dB -10.8 -11.5 -9.9 -13.7 -10.7 -6.7 -12.5 -13.3 -13.7	Pass /Fail Pass Pass Pass Pass Pass Pass Pass Pas	
Frequency MHz 0.535 0.535 0.553 0.553 0.615 0.615 0.800 0.800 19.462 19.462	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3 33.5 22.7 35.1 23.4	Cable Loss 9.9 9.9 9.9 10.0 10.0 10.0 10.5 10.5	### Comparison of Comparison o	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3 43.5 32.7 46.3 34.6	Measurement Type Quasi Peak Average Quasi Peak Average Quasi Peak Average Average Quasi Peak Average Quasi Peak Average Quasi Peak Average Quasi Peak Average	Line Neutral Neutral Neutral Neutral Neutral Neutral Neutral Neutral Live Live	Limit dBuV 56 46 56 46 56 46 56 56 56 56 56 56 56 56	Margin dB -10.8 -11.5 -9.9 -13.7 -10.7 -6.7 -12.5 -13.3 -13.7 -15.4	Pass /Fail Pass Pass Pass Pass Pass Pass Pass Pas	
Frequency MHz 0.535 0.535 0.553 0.553 0.615 0.615 0.800 0.800 19.462 19.462	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3 33.5 22.7 35.1 23.4 33.5	9.9 9.9 9.9 10.0 10.0 10.0 10.5 10.5	d emiss Factors dB 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3 43.5 32.7 46.3 34.6 44.8	Measurement Type Quasi Peak Average Quasi Peak Average Quasi Peak Average Quasi Peak Average Quasi Peak Quasi Peak Average	Line Neutral Neutral Neutral Neutral Neutral Neutral Neutral Live Live Neutral	Limit dB uV 56 46 56 46 56 46 56 56 60 60	Margin dB -10.8 -11.5 -9.9 -13.7 -10.7 -6.7 -12.5 -13.3 -13.7 -15.4 -15.2	Pass /Fail Pass Pass Pass Pass Pass Pass Pass Pas	
Frequency MHz 0.535 0.535 0.553 0.553 0.615 0.615 0.800 0.800 19.462 19.462 19.727	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3 33.5 22.7 35.1 23.4 33.5 22.3	Cable Loss 9.9 9.9 9.9 10.0 10.0 10.0 10.5 10.5 10.5	d emiss Factors dB 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3 43.5 32.7 46.3 34.6 44.8 33.6	Measurement Type Quasi Peak Average	Line Neutral Neutral Neutral Neutral Neutral Neutral Neutral Live Live Neutral Neutral	Limit dBuV 56 46 56 46 56 46 56 56 56 56	Margin dB -10.8 -11.5 -9.9 -13.7 -10.7 -6.7 -12.5 -13.3 -13.7 -15.4 -15.2 -16.4	Pass /Fail Pass Pass Pass Pass Pass Pass Pass Pas	
0.535 0.535 0.535 0.553 0.553 0.615 0.615 0.800 0.800 19.462 19.462 19.727 19.727 20.070	Raw dBuV 35.2 24.4 36.1 22.3 25.3 39.3 33.5 22.7 35.1 23.4 33.5 22.3 32.9 23.3	9.9 9.9 9.9 10.0 10.0 10.5 10.5 10.5 10.5	d emiss Factors dB 0.1 0.1 0.1 0.1 0.1 0.1 0.1 0.	Level dBuV 45.2 34.5 46.1 32.3 35.3 49.3 43.5 32.7 46.3 34.6 44.8 33.6 44.2 34.5	Measurement Type Quasi Peak Average	Line Neutral Neutral Neutral Neutral Neutral Neutral Neutral Live Live Neutral Neutral Live Live	Limit dB uV 56 46 56 46 56 46 56 60 50 60 50	Margin dB -10.8 -11.5 -9.9 -13.7 -10.7 -6.7 -12.5 -13.3 -13.7 -15.4 -15.2 -16.4 -15.8 -15.5	Pass /Fail Pass Pass Pass Pass Pass Pass Pass Pas	



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8 PHOTOGRAPHS

8.1 Conducted RF Emissions - EUT





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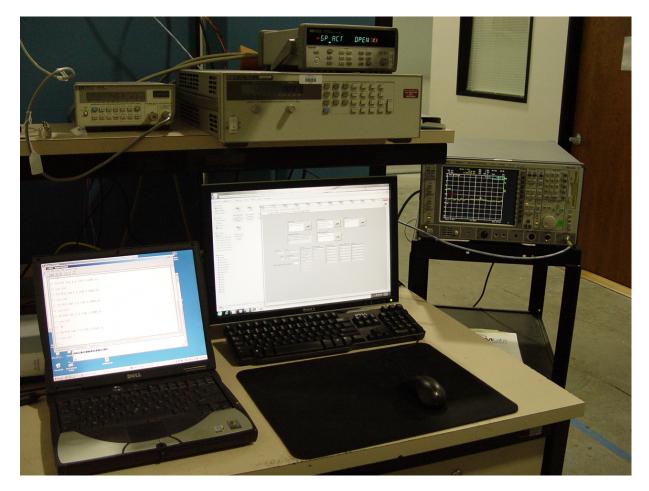
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8.2 Conducted RF Emissions - Test Equipment





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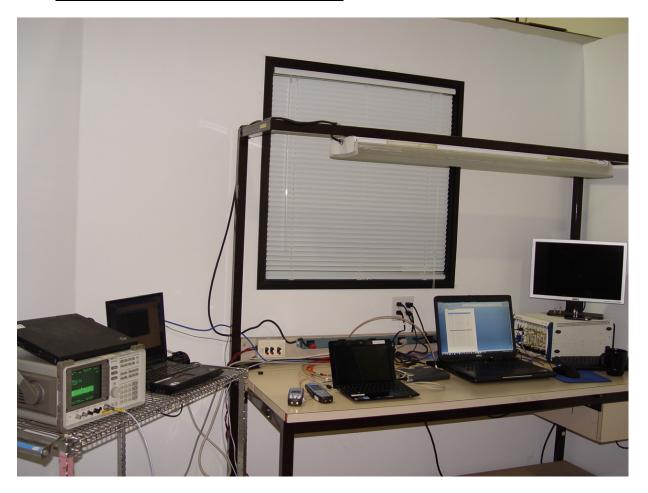
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8.3 <u>Dynamic Frequency Selection Test Setup</u>





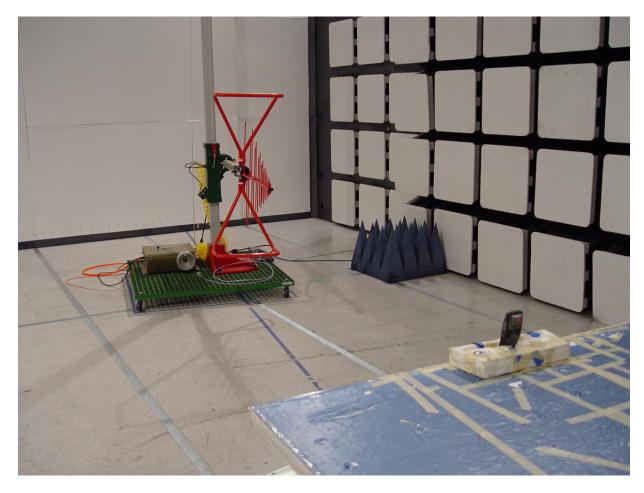
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8.4 Transmitter Radiated Spurious Emission below 1 GHz with Charger





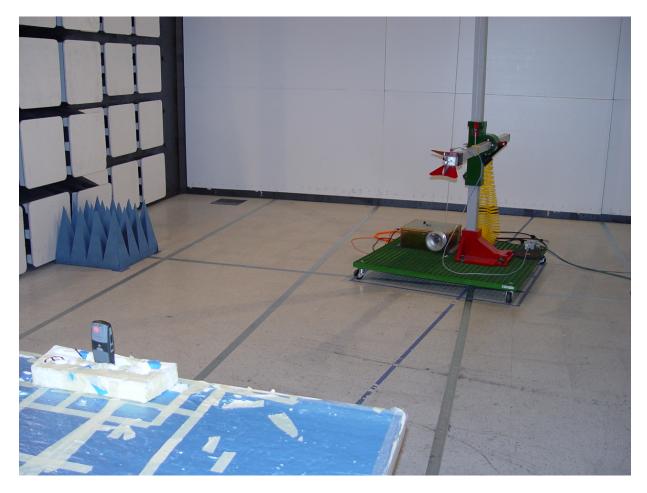
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8.5 <u>Transmitter Radiated Spurious Emission above 1 GHz with Charger</u>





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8.6 Receiver Radiated Emissions below 1 GHz with Charger





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8.7 Receiver Radiated Emissions above 1 GHz with Charger





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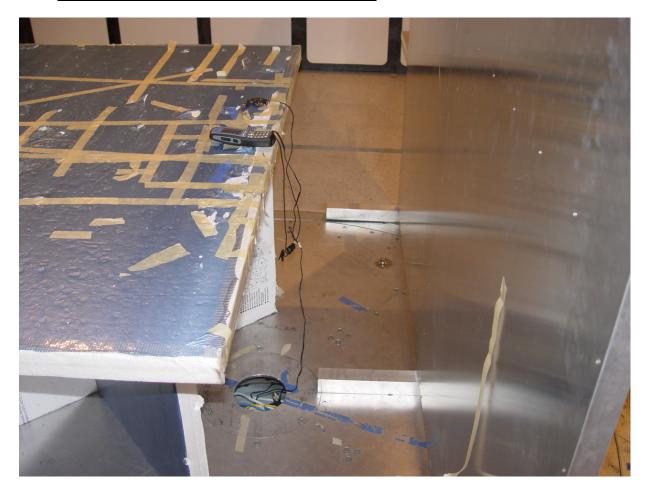
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8.8 AC Mains Conducted Emissions with Charger





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1. TEST EQUIPMENT DETAILS

Asset #	Instrument	Manufacturer	Part #	Serial #
0134	Amplifier	Com Power	PA 122	181910
0158	Barometer /Thermometer	Control Co.	4196	E2846
0287	EMI Receiver	Rhode & Schwartz	ESIB 40	100201
0252	SMA Cable	Megaphase	Sucoflex 104	None
0310	2m SMA Cable	Micro-Coax	UFA210A-0-0787- 3G03G0	209089-001
0312	3m SMA Cable	Micro-Coax	UFA210A-1-1181- 3G0300	209092-001
0313	Coupler	Hewlett Packard	86205A	3140A01285
0314	30dB N-Type Attenuator	ARRA	N9444-30	1623
0070	Power Meter	Hewlett Packard	437B	3125U11552
0116	Power Sensor	Hewlett Packard	8485A	3318A19694
0117	Power Sensor	Hewlett Packard	8487D	3318A00371
0184	Pulse Limiter	Rhode & Schwartz	ESH3Z2	357.8810.52
0190	LISN	Rhode & Schwartz	ESH3Z5	836679/006
0293	BNC Cable	Megaphase	1689 1GVT4	15F50B001
0301	5.6 GHz Notch Filter	Micro-Tronics	RBC50704	001
0302	5.25 GHz Notch Filter	Micro-Tronics	BRC50703	002
0303	5.8 GHz Notch Filter	Micro-Tronics	BRC50705	003
0304	2.4GHzHz Notch Filter	Micro-Tronics		001
0307	BNC Cable	Megaphase	1689 1GVT4	15F50B002
0335	1-18GHz Horn Antenna	ETS- Lindgren	3117	00066580
0337	Amplifier	MiCOM Labs		
0338	Antenna	Sunol Sciences	JB-3	A052907



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