

1 ANNEX 2

12

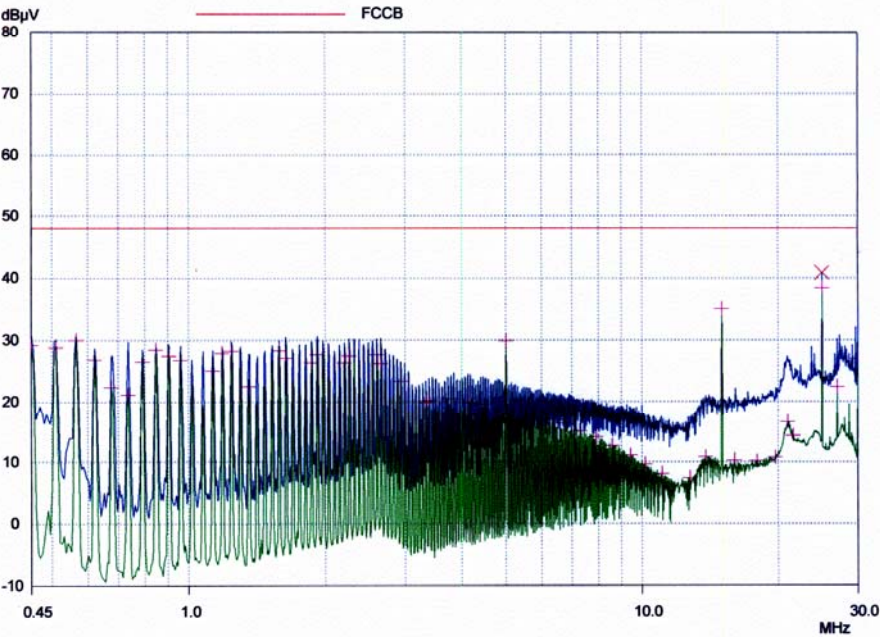
ANNEX 2

SZ02 Playstation RF Adaptor
Conducted Emissions (Receiver ESHS10: 7464)

15 Sep 2003 12:37

EUT: SZ02
Manuf: Saitek PLC
Op Cond: 230V, 50Hz
Operator: D A Legge
Test Spec: FCC Class B
Comment: RF Dongle and Hub
Phases: Live & Ground
Result File: SZ02e.dat : Conducted Emissions - Saitek RF Dongle&Hub

Scan Settings		(1 Range)			Receiver Settings			
Frequencies		Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
Start	Stop	5kHz	10kHz	PK+AV	20msec	Auto	ON	60dB
450kHz	30MHz							
Transducer	No.	Start	Stop	Name				
2	21	9kHz	30MHz	AZ196				
	22	9kHz	30MHz	LISN829				
Prescan Measurement:		Detectors:	X PK / + AV					
		Meas Time:	see scan settings					
		Subranges:	50					
		Acc Margin:	10 dB					



SZ02 Playstation RF Adaptor

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EUT: SZ02
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 Test Spec: FCC Class B
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Scan Settings (1 Range)

Frequencies			Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
450kHz	30MHz	5kHz	10kHz	PK+AV	20msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
2	21	9kHz	30MHz	AZ196
	22	9kHz	30MHz	LISN829

Prescan Measurement: Detectors: X PK / + AV
 Meas Time: see scan settings
 Subranges: 50
 Acc Margin: 10 dB

Peak Search Results

Frequency MHz	PK Level dBµV	PK Limit dBµV	PK Delta dB	Phase	PE
25.0	40.84	48.00	7.16	L1	gnd

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase	PE
0.45	29.17			L1	gnd
0.51	28.79			L1	gnd
0.565	29.98			L1	gnd
0.62	26.79			L1	gnd
0.675	22.32			L1	gnd
0.735	21.17			L1	gnd
0.79	26.45			L1	gnd
0.845	28.46			L1	gnd
0.905	27.40			L1	gnd
0.96	26.75			L1	gnd
1.13	25.05			L1	gnd
1.185	27.84			L1	gnd
1.24	28.18			L1	gnd
1.355	22.52			L1	gnd
1.58	28.30			L1	gnd
1.635	27.06			L1	gnd

* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission

Peak Search Results (continued)

15 Sep 2003 12:37

Frequency MHz	AV Level dBµV	AV Limit dBµV	AV Delta dB	Phase -	PE -
1.86	26.29			L1	gnd
1.92	27.61			L1	gnd
2.2	26.27			L1	gnd
2.255	27.45			L1	gnd
2.585	27.60			L1	gnd
2.65	26.10			L1	gnd
2.935	23.34			L1	gnd
3.33	19.92			L1	gnd
3.385	20.10			L1	gnd
3.78	20.48			L1	gnd
4.175	19.80			L1	gnd
4.4	19.58			L1	gnd
5.0	29.95			L1	gnd
5.53	17.38			L1	gnd
5.755	17.25			L1	gnd
6.15	16.98			L1	gnd
6.715	16.38			L1	gnd
7.28	15.11			L1	gnd
7.9	14.20			L1	gnd
8.575	12.72			L1	gnd
9.425	11.11			L1	gnd
10.155	9.67			L1	gnd
11.06	8.14			L1	gnd
12.75	7.36			L1	gnd
13.825	10.83			L1	gnd
15.0	35.04			L1	gnd
16.0	10.29			L1	gnd
17.945	10.17			L1	gnd
19.695	10.75			L1	gnd
20.985	16.61			L1	gnd
21.545	14.36			L1	gnd
25.0	38.47			L1	gnd
27.0	22.42			L1	gnd
30.0	27.01			L1	gnd

* limit exceeded

Indicated Phase/PE shows Configuration of max. Emission

SZ02

22 Jan 2004 11:26

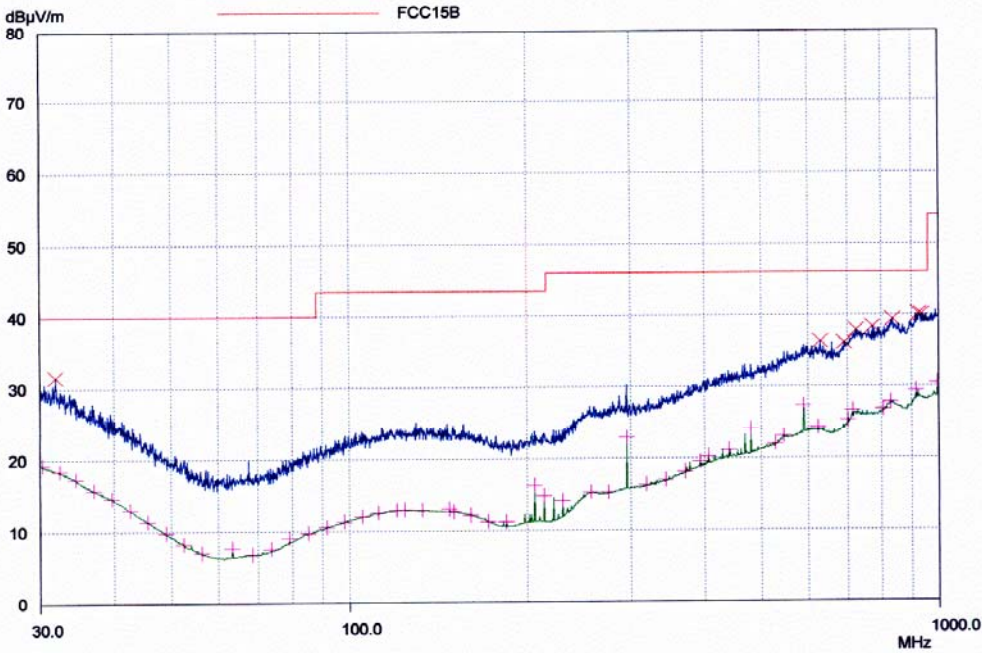
Radiated Emissions 3 m Vertical Polarisation

EUT: SZ02 Playstation RF Adaptor
Manuf: Saitek
Op Cond: Transmitting
Operator: D A Legge
Test Spec: FCC
Comment: playstation 2, SZ02 Hub, SZ01 Dongle, Playstation2 Sony Dual Shock 2 pad
Tested at 3m in Anechoic Chamber, Vertical Polz
Result File: SZ02h.dat : Saitek rad emissions FCC Class B(PK/AV)

Scan Settings		(2 Ranges)		Receiver Settings					
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge	
30MHz	300MHz	60kHz	120kHz	PK+AV	20msec	Auto	ON	60dB	
300MHz	1000MHz	60kHz	120kHz	PK+AV	1msec	Auto	ON	60dB	

See following page for transducer set listing.

Prescan Measurement: Detectors: X PK / + AV
Meas Time: see scan settings
Subranges: 50
Acc Margin: 10 dB



SZ02

22 Jan 2004 11:26

Radiated Emissions 3 m Vertical Polarisation

EUT: SZ02 Playstation RF Adaptor
 Manuf: Saitek
 Op Cond: Transmitting
 Operator: D A Legge
 Test Spec: FCC
 Comment: playstation 2, SZ02 Hub, SZ01 Dongle, Playstation2 Sony Dual Shock 2 pad
 Tested at 3m in Anechoic Chamber, Vertical Polz
 Result File: SZ02h.dat : Saitek rad emissions FCC Class B(PK/AV)

Scan Settings (2 Ranges)

Frequencies				Receiver Settings			
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp
30MHz	300MHz	60kHz	120kHz	PK+AV	20msec	Auto	ON
300MHz	1000MHz	60kHz	120kHz	PK+AV	1msec	Auto	ON

Transducer	No.	Start	Stop	Name
1	18	30MHz	1000MHz	B540B
	19	30MHz	1000MHz	7276
	22	30MHz	1000MHz	B898B

Prescan Measurement: Detectors: X PK / + AV
 Meas Time: see scan settings
 Subranges: 50
 Acc Margin: 10 dB

Peak Search Results

Frequency MHz	PK Level dBµV/m	PK Limit dBµV/m	PK Delta dB
31.92	31.55	40.00	8.45
630.12	36.36	46.00	9.64
691.5	36.17	46.00	9.83
723.72	37.91	46.00	8.09
771.9	38.40	46.00	7.60
834.36	39.41	46.00	6.59
924.42	40.17	46.00	5.83
935.34	40.11	46.00	5.89

Frequency MHz	AV Level dBµV/m	AV Limit dBµV/m	AV Delta dB
30.24	19.23		
32.4	18.45		
34.5	17.30		
37.02	15.79		
39.66	14.56		
42.54	12.99		
45.6	11.41		
48.96	9.78		
52.44	8.19		

* limit exceeded

Peak Search Results (continued)

22 Jan 2004 11:26

Frequency MHz	AV Level dBµV/m	AV Limit dBµV/m	AV Delta dB
56.28	6.97		
63.3	7.67		
68.52	6.81		
73.74	7.54		
79.14	9.00		
85.2	9.71		
91.5	10.53		
97.98	11.30		
105.18	12.02		
111.84	12.51		
120.3	12.89		
123.9	12.93		
132.78	12.88		
147.42	12.97		
150.0	12.66		
160.32	12.14		
171.78	11.23		
184.32	11.19		
205.68	16.33		
213.6	14.81		
229.44	14.14		
256.32	15.34		
274.32	15.28		
294.9	22.87		
318.42	16.40		
343.5	17.03		
370.68	18.14		
393.24	19.55		
406.44	20.27		
440.28	21.13		
479.22	24.08		
527.82	22.00		
544.92	23.06		
589.8	27.32		
624.0	24.25		
700.38	25.26		
715.02	26.66		
804.78	26.76		
829.14	27.81		
914.46	29.39		
995.34	30.47		

* limit exceeded

SZ02

22 Jan 2004 13:02

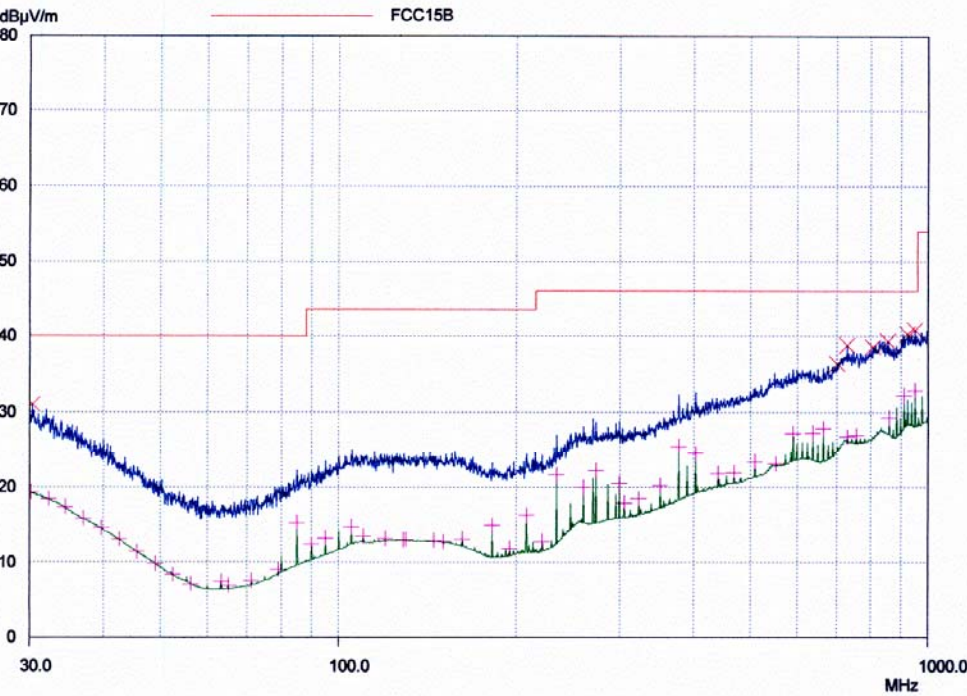
Radiated Emissions 3 m Horizontal Polarisation

EUT: SZ02 Playstation RF Adaptor
Manuf: Saitek
Op Cond: Transmitting
Operator: D A Legge
Test Spec: FCC
Comment: playstation 2, SZ02 Hub, SZ01 Dongle, Playstation2 Sony Dual Shock 2 pad
Tested at 3m in Anechoic Horz Polz
Result File: sz02i.dat : Saitek rad emissions FCC Class B(PK/AV)

Scan Settings		(2 Ranges)		Receiver Settings					
		Frequencies		IF BW	Detector	M-Time	Atten	Preamp	OpRge
Start	Stop	Step							
30MHz	300MHz	60kHz		120kHz	PK+AV	20msec	Auto	ON	60dB
300MHz	1000MHz	60kHz		120kHz	PK+AV	1msec	Auto	ON	60dB

See following page for transducer set listing.

Prescan Measurement: Detectors: X PK / + AV
Meas Time: see scan settings
Subranges: 50
Acc Margin: 10 dB



SZ02

22 Jan 2004 13:02

Radiated Emissions 3 m Horizontal Polarisation

EUT: SZ02 Playstation RF Adaptor
 Manuf: Saitek
 Op Cond: Transmitting
 Operator: D A Legge
 Test Spec: FCC
 Comment: playstation 2, SZ02 Hub, SZ01 Dongle, Playstation2 Sony Dual Shock 2 pad
 Tested at 3m in Anechoic Horz Polz
 Result File: sz02i.dat : Saitek rad emissions FCC Class B(PK/AV)

Scan Settings (2 Ranges)

Frequencies				Receiver Settings				
Start	Stop	Step	IF BW	Detector	M-Time	Atten	Preamp	OpRge
30MHz	300MHz	60kHz	120kHz	PK+AV	20msec	Auto	ON	60dB
300MHz	1000MHz	60kHz	120kHz	PK+AV	1msec	Auto	ON	60dB

Transducer	No.	Start	Stop	Name
1	18	30MHz	1000MHz	B540B
	19	30MHz	1000MHz	7276
	22	30MHz	1000MHz	B898B

Prescan Measurement:
 Detectors: X PK / + AV
 Meas Time: see scan settings
 Subranges: 50
 Acc Margin: 10 dB

Peak Search Results

Frequency MHz	PK Level dBµV/m	PK Limit dBµV/m	PK Delta dB
30.3	31.00	40.00	9.00
701.22	36.42	46.00	9.58
728.52	38.83	46.00	7.17
805.74	38.63	46.00	7.37
855.48	39.37	46.00	6.63
923.04	40.32	46.00	5.68
949.02	40.85	46.00	5.15

Frequency MHz	AV Level dBµV/m	AV Limit dBµV/m	AV Delta dB
30.12	19.29		
32.34	18.39		
34.5	17.36		
37.02	15.79		
39.66	14.56		
42.54	13.05		
45.6	11.41		
48.96	9.78		
52.44	8.31		
56.22	7.03		

* limit exceeded

Peak Search Results (continued)

22 Jan 2004 13:02

Frequency MHz	AV Level dB μ V/m	AV Limit dB μ V/m	AV Delta dB
63.3	7.34		
65.04	6.84		
71.16	7.50		
79.08	8.95		
85.02	15.27		
90.0	12.40		
95.04	13.21		
105.0	14.73		
110.04	13.44		
120.0	13.14		
128.76	12.97		
130.02	13.02		
145.02	12.88		
150.3	12.72		
162.0	13.10		
181.98	14.89		
195.06	11.83		
208.02	16.28		
221.16	12.74		
234.0	21.62		
260.04	19.96		
273.0	22.21		
299.04	20.50		
304.8	17.91		
322.56	18.45		
351.0	20.18		
377.04	25.49		
403.02	24.53		
440.28	21.80		
468.0	21.91		
508.02	23.34		
551.76	23.11		
589.8	27.24		
637.02	27.30		
663.0	27.87		
728.04	26.83		
754.02	26.95		
858.0	29.33		
910.02	32.25		
949.02	32.92		

* limit exceeded