

Report of Intermodulation  
Product Findings  
To Demonstrate Compliance with  
Section 73.317(b) through 73.317(d) of the  
FCC Rules and Regulations

for

CC Licenses, LLC  
KHKN (FM) – 94.9 MHz  
Maumelle, AR (Facility ID No: 61366)

KSSN (FM) – 95.7 MHz  
Little Rock, AR (Facility ID No: 61363)

KDJE (FM) – 100.3 MHz  
Jacksonville, AR (Facility ID No: 23025)

KMJX (FM) – 105.1 MHz  
Conway, AR (Facility ID No: 39689)

KHLR (FM) – 106.7 MHz  
Benton, AR (Facility ID No: 6819)

December 4, 2009

### **Engineering Exhibit**

#### **KHKN (FM) – 94.9 MHz**

Construction permit: BXPB-20071031AFG

3700w ERP – 910w TPO

Maumelle, AR (Facility ID No: 61366)

#### **KSSN (FM) – 95.7 MHz**

Construction permit: BXPB-20071031AFF

3700w ERP – 895w TPO

Little Rock, AR (Facility ID No: 61363)

#### **KDJE (FM) – 100.3 MHz**

Construction permit: BXPB-20071031AFE

3800w ERP – 889w TPO

Jacksonville, AR (Facility ID No: 23025)

#### **KMJX (FM) – 105.1 MHz**

Construction permit: BXPB-20071031AFH

3800w ERP – 909w TPO

Conway, AR (Facility ID No: 39689)

#### **KHLR (FM) – 106.7 MHz**

Construction permit: BXPB-20071031AFD

3700w ERP – 915w TPO

Benton, AR (Facility ID No: 6819)

**Introduction:** Measurements were conducted to demonstrate that KHKN (FM) Auxiliary, KSSN (FM) Auxiliary, KDJE (FM) Auxiliary, KMJX (FM) Auxiliary and KHLR (FM) Auxiliary when operated as authorized in the construction permits listed above comply with section 73.317(b) through 73.317(d) of the FCC Rules and Regulations.

**The Multiplexed System:** The multiplexed system is fundamentally comprised of a common antenna, feed line and multiplexer unit. A Bext TFC2K 8-bay circularly polarized, omnidirectional broadband antenna and corresponding 5-port branch combiner system was designed specifically for this application. This system was fitted with a directional sampling coupler fitted into the output line section of the combining system and was used to facilitate spurious emissions measurements.

**Spurious Emissions Measurements:** Prior to recording measurements, all five stations were confirmed to be operating at the full permitted power level. All measurements were made utilizing the above-mentioned directional coupler using an Agilent N9340B spectrum analyzer connected to the directional coupler sample port with a shielded coaxial cable. External attenuation is typically employed to ensure an adequate signal level for measurements without overloading the measurement equipment, in this case -20dB of external attenuation was utilized for the carrier reference measurements. The relative output signal of each stations forward carrier was recorded. The resulting signal levels of these measurements will be used as the reference level for each carrier and to confirm that no significant levels of spurious energy, referenced to each carrier, are present from any transmitter operating in the multiplexed

system. For measurement of spurious products appearing on frequencies removed from the carrier frequencies by more than 600 kHz, double-cavity notch filters, model 6367-2 manufactured by the Microwave Filter Company, one tuned for each station's carrier, were inserted in series into the line between the coupler and the analyzer with no additional external attenuation. The filters provide a reduction of the fundamental carrier level thereby increasing the dynamic range on the analyzer. The fundamental signal levels reduced by these filters while passing all other channels to be measured with no appreciable attenuation are shown in Table 1. All possible harmonic and the most probable intermodulation products through the 3<sup>rd</sup> order that could be produced by the combined operation of KHKN (FM), KSSN (FM), KDJE (FM), KMJX (FM) and KHLR (FM) were calculated and observed. Products that were found to be measurable are listed in Table 2. In addition, a thorough sweep was made of other frequencies in the 80 to 1200 MHz range with the analyzer and no harmonic emissions or spurious products at levels less than -72.5dBc (43+10Log900) below the carrier fundamental frequencies were observed. A block diagram of the measurement methodology can be found on Page 10 of this report.

**Conclusion:** The results of these measurements confirm that the combined operations of KHKN (FM) Auxiliary, KSSN (FM) Auxiliary, KDJE (FM) Auxiliary, KMJX (FM) Auxiliary and KHLR (FM) Auxiliary are in full compliance with section 73.317(b) through 73.317(d) of the FCC Rules and Regulations.

**Table 1**

Notch Filter Carrier Reduction:	
Carrier (MHz)	Measured Value (dBm)
KHKN (FM) 94.9	-43.2
KSSN (FM) 95.7	-42.5
KDJE (FM) 100.3	-45.2
KMJX (FM) 105.1	-42.2
KHLR (FM) 106.7	-40.1

**Table 2**

Peak Carrier Reference Levels:										
Carrier (MHz)				Measured Value (dBm)				Adjusted Level (dBm)		
KHKN (FM) 94.9				-6.3				13.7		
KSSN (FM) 95.7				-6.4				13.6		
KDJE (FM) 100.3				-6.3				13.7		
KMJX (FM) 105.1				-6.4				13.6		
KHLR (FM) 106.7				-6.8				13.2		

  

<u>Mult</u>	<u>x</u>	<u>Freq.</u> <u>MHz</u>	<u>Sum/Diff</u>	<u>Mult</u>	<u>x</u>	<u>Freq.</u> <u>MHz</u>	<u>=</u>	<u>Product</u> <u>MHz</u>	<u>Amplitude</u> <u>dBc</u>	<u>Amplitude</u> <u>Limit</u>	<u>Measured</u> <u>Amplitude</u>
1	x	94.9	+	1	x	95.7	=	190.6		72.5	>-70
1	x	94.9	+	1	x	100.3	=	195.2		72.5	>-70

1	x	94.9	+	1	x	105.1	=	<b>200</b>		72.5	>-70
1	x	94.9	+	1	x	106.7	=	<b>201.6</b>		72.5	>-70
1	x	95.7	+	1	x	94.9	=	<b>190.6</b>		72.5	>-70
1	x	95.7	+	1	x	100.3	=	<b>196</b>		72.5	>-70
1	x	95.7	+	1	x	105.1	=	<b>200.8</b>		72.5	>-70
1	x	95.7	+	1	x	106.7	=	<b>202.4</b>		72.5	>-70
1	x	100.3	+	1	x	94.9	=	<b>195.2</b>		72.5	>-70
1	x	100.3	+	1	x	95.7	=	<b>196</b>		72.5	>-70
1	x	100.3	+	1	x	105.1	=	<b>205.4</b>		72.5	>-70
1	x	100.3	+	1	x	106.7	=	<b>207</b>		72.5	>-70
1	x	105.1	+	1	x	94.9	=	<b>200</b>		72.5	>-70
1	x	105.1	+	1	x	95.7	=	<b>200.8</b>		72.5	>-70
1	x	105.1	+	1	x	100.3	=	<b>205.4</b>		72.5	>-70
1	x	105.1	+	1	x	106.7	=	<b>211.8</b>		72.5	>-70
1	x	106.7	+	1	x	94.9	=	<b>201.6</b>		72.5	>-70
1	x	106.7	+	1	x	95.7	=	<b>202.4</b>		72.5	>-70
1	x	106.7	+	1	x	100.3	=	<b>207</b>		72.5	>-70
1	x	106.7	+	1	x	105.1	=	<b>211.8</b>		72.5	>-70
1	x	94.9	+	2	x	95.7	=	<b>286.3</b>		72.5	>-70
1	x	94.9	+	2	x	100.3	=	<b>295.5</b>		72.5	>-70
1	x	94.9	+	2	x	105.1	=	<b>305.1</b>		72.5	>-70
1	x	94.9	+	2	x	106.7	=	<b>308.3</b>		72.5	>-70
1	x	95.7	+	2	x	94.9	=	<b>285.5</b>		72.5	>-70
1	x	95.7	+	2	x	100.3	=	<b>296.3</b>		72.5	>-70
1	x	95.7	+	2	x	105.1	=	<b>305.9</b>		72.5	>-70
1	x	95.7	+	2	x	106.7	=	<b>309.1</b>		72.5	>-70
1	x	100.3	+	2	x	94.9	=	<b>290.1</b>		72.5	>-70
1	x	100.3	+	2	x	95.7	=	<b>291.7</b>	<b>77</b>	72.5	-63.4
1	x	100.3	+	2	x	105.1	=	<b>310.5</b>	<b>75.9</b>	72.5	-62.3
1	x	100.3	+	2	x	106.7	=	<b>313.7</b>		72.5	>-70
1	x	105.1	+	2	x	94.9	=	<b>294.9</b>		72.5	>-70
1	x	105.1	+	2	x	95.7	=	<b>296.5</b>		72.5	>-70
1	x	105.1	+	2	x	100.3	=	<b>305.7</b>		72.5	>-70
1	x	105.1	+	2	x	106.7	=	<b>318.5</b>		72.5	>-70
1	x	106.7	+	2	x	94.9	=	<b>296.5</b>		72.5	>-70
1	x	106.7	+	2	x	95.7	=	<b>298.1</b>		72.5	>-70
1	x	106.7	+	2	x	100.3	=	<b>307.3</b>	<b>73.9</b>	72.5	-60.7
1	x	106.7	+	2	x	105.1	=	<b>316.9</b>		72.5	>-70
1	x	94.9	+	3	x	95.7	=	<b>382</b>		72.5	>-70
1	x	94.9	+	3	x	100.3	=	<b>395.8</b>		72.5	>-70
1	x	94.9	+	3	x	105.1	=	<b>410.2</b>		72.5	>-70
1	x	94.9	+	3	x	106.7	=	<b>415</b>		72.5	>-70
1	x	95.7	+	3	x	94.9	=	<b>380.4</b>		72.5	>-70

1	x	95.7	+	3	x	100.3	=	<b>396.6</b>		72.5	>-70
1	x	95.7	+	3	x	105.1	=	<b>411</b>		72.5	>-70
1	x	95.7	+	3	x	106.7	=	<b>415.8</b>		72.5	>-70
1	x	100.3	+	3	x	94.9	=	<b>385</b>		72.5	>-70
1	x	100.3	+	3	x	95.7	=	<b>387.4</b>		72.5	>-70
1	x	100.3	+	3	x	105.1	=	<b>415.6</b>		72.5	>-70
1	x	100.3	+	3	x	106.7	=	<b>420.4</b>		72.5	>-70
1	x	105.1	+	3	x	94.9	=	<b>389.8</b>		72.5	>-70
1	x	105.1	+	3	x	95.7	=	<b>392.2</b>		72.5	>-70
1	x	105.1	+	3	x	100.3	=	<b>406</b>		72.5	>-70
1	x	105.1	+	3	x	106.7	=	<b>425.2</b>		72.5	>-70
1	x	106.7	+	3	x	94.9	=	<b>391.4</b>		72.5	>-70
1	x	106.7	+	3	x	95.7	=	<b>393.8</b>		72.5	>-70
1	x	106.7	+	3	x	100.3	=	<b>407.6</b>		72.5	>-70
1	x	106.7	+	3	x	105.1	=	<b>422</b>		72.5	>-70
2	x	94.9	=				=	<b>189.8</b>		72.5	>-70
2	x	94.9	+	1	x	95.7	=	<b>285.5</b>		72.5	>-70
2	x	94.9	-	1	x	95.7	=	<b>94.1</b>		72.5	>-70
2	x	94.9	+	1	x	100.3	=	<b>290.1</b>		72.5	>-70
2	x	94.9	-	1	x	100.3	=	<b>89.5</b>		72.5	>-70
2	x	94.9	+	1	x	105.1	=	<b>294.9</b>		72.5	>-70
2	x	94.9	+	1	x	106.7	=	<b>296.5</b>		72.5	>-70
2	x	95.7	=				=	<b>191.4</b>		72.5	>-70
2	x	95.7	+	1	x	94.9				72.5	>-70
2	x	95.7	-	1	x	94.9	=	<b>96.5</b>		72.5	>-70
2	x	95.7	+	1	x	100.3	=	<b>291.7</b>		72.5	>-70
2	x	95.7	-	1	x	100.3	=	<b>91.1</b>		72.5	>-70
2	x	95.7	+	1	x	105.1	=	<b>296.5</b>		72.5	>-70
2	x	95.7	+	1	x	106.7	=	<b>298.1</b>		72.5	>-70
2	x	100.3	=				=	<b>200.6</b>		72.5	>-70
2	x	100.3	+	1	x	94.9	=	<b>295.5</b>	<b>75.4</b>	72.5	-61.8
2	x	100.3	-	1	x	94.9	=	<b>105.7</b>		72.5	>-70
2	x	100.3	+	1	x	95.7	=	<b>296.3</b>		72.5	>-70
2	x	100.3	-	1	x	95.7	=	<b>104.9</b>		72.5	>-70
2	x	100.3	+	1	x	105.1	=	<b>305.7</b>		72.5	>-70
2	x	100.3	-	1	x	105.1	=	<b>95.5</b>		72.5	>-70
2	x	100.3	+	1	x	106.7	=	<b>307.3</b>		72.5	>-70
2	x	100.3	-	1	x	106.7	=	<b>93.9</b>		72.5	>-70
2	x	105.1	=				=	<b>210.2</b>		72.5	>-70
2	x	105.1	+	1	x	94.9	=	<b>305.1</b>		72.5	>-70
2	x	105.1	-	1	x	94.9	=	<b>115.3</b>		72.5	>-70
2	x	105.1	+	1	x	95.7	=	<b>305.9</b>		72.5	>-70
2	x	105.1	-	1	x	95.7	=	<b>114.5</b>		72.5	>-70

2	x	105.1	+	1	x	100.3	=	<b>310.5</b>	72.5	>-70
2	x	105.1	-	1	x	100.3	=	<b>109.9</b>	72.5	>-70
2	x	105.1	+	1	x	106.7	=	<b>316.9</b>	72.5	>-70
2	x	105.1	-	1	x	106.7	=	<b>103.5</b>	72.5	>-70
2	x	106.7	=				=	<b>213.4</b>	72.5	>-70
2	x	106.7	+	1	x	94.9	=	<b>308.3</b>	72.5	>-70
2	x	106.7	-	1	x	94.9	=	<b>118.5</b>	72.5	>-70
2	x	106.7	+	1	x	95.7	=	<b>309.1</b>	72.5	>-70
2	x	106.7	-	1	x	95.7	=	<b>117.7</b>	72.5	>-70
2	x	106.7	+	1	x	100.3	=	<b>313.7</b>	72.5	>-70
2	x	106.7	-	1	x	100.3	=	<b>113.1</b>	72.5	>-70
2	x	106.7	+	1	x	105.1	=	<b>318.5</b>	72.5	>-70
2	x	106.7	-	1	x	105.1	=	<b>108.3</b>	72.5	>-70
2	x	94.9	+	2	x	95.7	=	<b>381.2</b>	72.5	>-70
2	x	94.9	+	2	x	100.3	=	<b>390.4</b>	72.5	>-70
2	x	94.9	+	2	x	105.1	=	<b>400</b>	72.5	>-70
2	x	94.9	+	2	x	106.7	=	<b>403.2</b>	72.5	>-70
2	x	95.7	+	2	x	94.9	=	<b>381.2</b>	72.5	>-70
2	x	95.7	+	2	x	100.3	=	<b>392</b>	72.5	>-70
2	x	95.7	+	2	x	105.1	=	<b>401.6</b>	72.5	>-70
2	x	95.7	+	2	x	106.7	=	<b>404.8</b>	72.5	>-70
2	x	100.3	+	2	x	94.9	=	<b>390.4</b>	72.5	>-70
2	x	100.3	+	2	x	95.7	=	<b>392</b>	72.5	>-70
2	x	100.3	+	2	x	105.1	=	<b>410.8</b>	72.5	>-70
2	x	100.3	+	2	x	106.7	=	<b>414</b>	72.5	>-70
2	x	105.1	+	2	x	94.9	=	<b>400</b>	72.5	>-70
2	x	105.1	+	2	x	95.7	=	<b>401.6</b>	72.5	>-70
2	x	105.1	+	2	x	100.3	=	<b>410.8</b>	72.5	>-70
2	x	105.1	+	2	x	106.7	=	<b>423.6</b>	72.5	>-70
2	x	106.7	+	2	x	94.9	=	<b>403.2</b>	72.5	>-70
2	x	106.7	+	2	x	95.7	=	<b>404.8</b>	72.5	>-70
2	x	106.7	+	2	x	100.3	=	<b>414</b>	72.5	>-70
2	x	106.7	+	2	x	105.1	=	<b>423.6</b>	72.5	>-70
2	x	94.9	+	3	x	95.7	=	<b>476.9</b>	72.5	>-70
2	x	94.9	+	3	x	100.3	=	<b>490.7</b>	72.5	>-70
2	x	94.9	+	3	x	105.1	=	<b>505.1</b>	72.5	>-70
2	x	94.9	+	3	x	106.7	=	<b>509.9</b>	72.5	>-70
2	x	95.7	+	3	x	94.9	=	<b>476.1</b>	72.5	>-70
2	x	95.7	+	3	x	100.3	=	<b>492.3</b>	72.5	>-70
2	x	95.7	+	3	x	105.1	=	<b>506.7</b>	72.5	>-70
2	x	95.7	+	3	x	106.7	=	<b>511.5</b>	72.5	>-70
2	x	100.3	+	3	x	94.9	=	<b>485.3</b>	72.5	>-70
2	x	100.3	+	3	x	95.7	=	<b>487.7</b>	72.5	>-70

2	x	100.3	+	3	x	105.1	=	<b>515.9</b>		72.5	>-70
2	x	100.3	+	3	x	106.7	=	<b>520.7</b>		72.5	>-70
2	x	105.1	+	3	x	94.9	=	<b>494.9</b>		72.5	>-70
2	x	105.1	+	3	x	95.7	=	<b>497.3</b>		72.5	>-70
2	x	105.1	+	3	x	100.3	=	<b>511.1</b>		72.5	>-70
2	x	105.1	+	3	x	106.7	=	<b>530.3</b>		72.5	>-70
2	x	106.7	+	3	x	94.9	=	<b>498.1</b>		72.5	>-70
2	x	106.7	+	3	x	95.7	=	<b>500.5</b>		72.5	>-70
2	x	106.7	+	3	x	100.3	=	<b>514.3</b>		72.5	>-70
2	x	106.7	+	3	x	105.1	=	<b>528.7</b>		72.5	>-70
3	x	94.9	=				=	<b>284.7</b>		72.5	>-70
3	x	94.9	+	1	x	95.7	=	<b>380.4</b>		72.5	>-70
3	x	94.9	-	1	x	95.7	=	<b>189</b>		72.5	>-70
3	x	94.9	+	1	x	100.3	=	<b>385</b>		72.5	>-70
3	x	94.9	-	1	x	100.3	=	<b>184.4</b>		72.5	>-70
3	x	94.9	+	1	x	105.1	=	<b>389.8</b>		72.5	>-70
3	x	94.9	-	1	x	105.1	=	<b>179.6</b>		72.5	>-70
3	x	94.9	+	1	x	106.7	=	<b>391.4</b>		72.5	>-70
3	x	94.9	-	1	x	106.7	=	<b>178</b>		72.5	>-70
3	x	95.7	=				=	<b>287.1</b>		72.5	>-70
3	x	95.7	+	1	x	94.9	=	<b>382</b>		72.5	>-70
3	x	95.7	-	1	x	94.9	=	<b>192.2</b>		72.5	>-70
3	x	95.7	+	1	x	100.3	=	<b>387.4</b>		72.5	>-70
3	x	95.7	-	1	x	100.3	=	<b>186.8</b>		72.5	>-70
3	x	95.7	+	1	x	105.1	=	<b>392.2</b>		72.5	>-70
3	x	95.7	-	1	x	105.1	=	<b>182</b>		72.5	>-70
3	x	95.7	+	1	x	106.7	=	<b>393.8</b>		72.5	>-70
3	x	95.7	-	1	x	106.7	=	<b>180.4</b>		72.5	>-70
3	x	100.3	=				=	<b>300.9</b>	<b>74.7</b>	72.5	-61
3	x	100.3	+	1	x	94.9	=	<b>395.8</b>		72.5	>-70
3	x	100.3	-	1	x	94.9	=	<b>206</b>		72.5	>-70
3	x	100.3	+	1	x	95.7	=	<b>396.6</b>		72.5	>-70
3	x	100.3	-	1	x	95.7	=	<b>205.2</b>		72.5	>-70
3	x	100.3	+	1	x	105.1	=	<b>406</b>		72.5	>-70
3	x	100.3	-	1	x	105.1	=	<b>195.8</b>		72.5	>-70
3	x	100.3	+	1	x	106.7	=	<b>407.6</b>		72.5	>-70
3	x	100.3	-	1	x	106.7	=	<b>194.2</b>		72.5	>-70
3	x	105.1	=				=	<b>315.3</b>		72.5	>-70
3	x	105.1	+	1	x	94.9	=	<b>410.2</b>		72.5	>-70
3	x	105.1	-	1	x	94.9	=	<b>220.4</b>		72.5	>-70
3	x	105.1	+	1	x	95.7	=	<b>411</b>		72.5	>-70
3	x	105.1	-	1	x	95.7	=	<b>219.6</b>		72.5	>-70
3	x	105.1	+	1	x	100.3	=	<b>415.6</b>		72.5	>-70

3	x	105.1	-	1	x	100.3	=	<b>215</b>	72.5	>-70
3	x	105.1	+	1	x	106.7	=	<b>422</b>	72.5	>-70
3	x	105.1	-	1	x	106.7	=	<b>208.6</b>	72.5	>-70
3	x	106.7	=				=	<b>320.1</b>	72.5	>-70
3	x	106.7	+	1	x	94.9	=	<b>415</b>	72.5	>-70
3	x	106.7	-	1	x	94.9	=	<b>225.2</b>	72.5	>-70
3	x	106.7	+	1	x	95.7	=	<b>415.8</b>	72.5	>-70
3	x	106.7	-	1	x	95.7	=	<b>224.4</b>	72.5	>-70
3	x	106.7	+	1	x	100.3	=	<b>420.4</b>	72.5	>-70
3	x	106.7	-	1	x	100.3	=	<b>219.8</b>	72.5	>-70
3	x	106.7	+	1	x	105.1	=	<b>425.2</b>	72.5	>-70
3	x	106.7	-	1	x	105.1	=	<b>215</b>	72.5	>-70
3	x	94.9	+	2	x	95.7	=	<b>476.1</b>	72.5	>-70
3	x	94.9	-	2	x	95.7	=	<b>93.3</b>	72.5	>-70
3	x	94.9	+	2	x	100.3	=	<b>485.3</b>	72.5	>-70
3	x	94.9	+	2	x	105.1	=	<b>494.9</b>	72.5	>-70
3	x	94.9	+	2	x	106.7	=	<b>498.1</b>	72.5	>-70
3	x	95.7	+	2	x	94.9	=	<b>476.9</b>	72.5	>-70
3	x	95.7	-	2	x	94.9	=	<b>97.3</b>	72.5	>-70
3	x	95.7	+	2	x	100.3	=	<b>487.7</b>	72.5	>-70
3	x	95.7	+	2	x	105.1	=	<b>497.3</b>	72.5	>-70
3	x	95.7	+	2	x	106.7	=	<b>500.5</b>	72.5	>-70
3	x	100.3	+	2	x	94.9	=	<b>490.7</b>	72.5	>-70
3	x	100.3	-	2	x	94.9	=	<b>111.1</b>	72.5	>-70
3	x	100.3	+	2	x	95.7	=	<b>492.3</b>	72.5	>-70
3	x	100.3	-	2	x	95.7	=	<b>109.5</b>	72.5	>-70
3	x	100.3	+	2	x	105.1	=	<b>511.1</b>	72.5	>-70
3	x	100.3	-	2	x	105.1	=	<b>90.7</b>	72.5	>-70
3	x	100.3	+	2	x	106.7	=	<b>514.3</b>	72.5	>-70
3	x	105.1	+	2	x	94.9	=	<b>505.1</b>	72.5	>-70
3	x	105.1	-	2	x	94.9	=	<b>125.5</b>	72.5	>-70
3	x	105.1	+	2	x	95.7	=	<b>506.7</b>	72.5	>-70
3	x	105.1	-	2	x	95.7	=	<b>123.9</b>	72.5	>-70
3	x	105.1	+	2	x	100.3	=	<b>515.9</b>	72.5	>-70
3	x	105.1	-	2	x	100.3	=	<b>114.7</b>	72.5	>-70
3	x	105.1	+	2	x	106.7	=	<b>528.7</b>	72.5	>-70
3	x	105.1	-	2	x	106.7	=	<b>101.9</b>	72.5	>-70
3	x	106.7	+	2	x	94.9	=	<b>509.9</b>	72.5	>-70
3	x	106.7	-	2	x	94.9	=	<b>130.3</b>	72.5	>-70
3	x	106.7	+	2	x	95.7	=	<b>511.5</b>	72.5	>-70
3	x	106.7	-	2	x	95.7	=	<b>128.7</b>	72.5	>-70
3	x	106.7	+	2	x	100.3	=	<b>520.7</b>	72.5	>-70
3	x	106.7	-	2	x	100.3	=	<b>119.5</b>	72.5	>-70



3	x	106.7	+	2	x	105.1	=	<b>530.3</b>	72.5	>-70
3	x	106.7	-	2	x	105.1	=	<b>109.9</b>	72.5	>-70
3	x	94.9	+	3	x	95.7	=	<b>571.8</b>	72.5	>-70
3	x	94.9	+	3	x	100.3	=	<b>585.6</b>	72.5	>-70
3	x	94.9	+	3	x	105.1	=	<b>600</b>	72.5	>-70
3	x	94.9	+	3	x	106.7	=	<b>604.8</b>	72.5	>-70
3	x	95.7	+	3	x	94.9	=	<b>571.8</b>	72.5	>-70
3	x	95.7	+	3	x	100.3	=	<b>588</b>	72.5	>-70
3	x	95.7	+	3	x	105.1	=	<b>602.4</b>	72.5	>-70
3	x	95.7	+	3	x	106.7	=	<b>607.2</b>	72.5	>-70
3	x	100.3	+	3	x	94.9	=	<b>585.6</b>	72.5	>-70
3	x	100.3	+	3	x	95.7	=	<b>588</b>	72.5	>-70
3	x	100.3	+	3	x	105.1	=	<b>616.2</b>	72.5	>-70
3	x	100.3	+	3	x	106.7	=	<b>621</b>	72.5	>-70
3	x	105.1	+	3	x	94.9	=	<b>600</b>	72.5	>-70
3	x	105.1	+	3	x	95.7	=	<b>602.4</b>	72.5	>-70
3	x	105.1	+	3	x	100.3	=	<b>616.2</b>	72.5	>-70
3	x	105.1	+	3	x	106.7	=	<b>635.4</b>	72.5	>-70
3	x	106.7	+	3	x	94.9	=	<b>604.8</b>	72.5	>-70
3	x	106.7	+	3	x	95.7	=	<b>607.2</b>	72.5	>-70
3	x	106.7	+	3	x	100.3	=	<b>621</b>	72.5	>-70
3	x	106.7	+	3	x	105.1	=	<b>635.4</b>	72.5	>-70
3	x	106.7	+	3	x	105.1	=	<b>635.4</b>	72.5	>-70

Note: Measurements made out beyond 3rd order do not exceed -73dBc; in the interest of brevity have been excluded from this table.

## Equipment Block Diagram

