

## Modulation Characteristics – BLX2 H11/J11

Data by Frequency

	584.125MHz (H5)	606.150MHz (D6)
Freq	Deviation H11	Deviation J11
25	18.2	14.9
31	21.2	16.7
40	22.7	17.9
50	23.2	18.7
63	23.6	19.2
80	24.0	19.9
100	24.4	20.3
125	24.8	20.7
160	25.2	21.4
200	25.5	21.8
250	25.9	21.8
315	26.3	22.3
400	26.9	22.7
500	27.4	23.3
630	28.2	24.0
800	29.0	24.8
1000	29.9	25.7
1250	30.9	26.5
2000	33.1	28.5
2500	34.2	29.4
3150	35.3	30.3
4000	36.3	31.2
5000	37.0	31.9
6300	37.7	32.4
8000	38.1	32.8
10000	38.3	33.0
12500	38.1	32.9
16000	37.4	32.3
20000	36.1	31.1

audio level input: -45dBV in  
settings: 0dB gain

**frequency of maximum response: 10kHz**

Data by Level

		dBV in								
H11	Audio In Level (dBV) ↓									
Frequency (Hz) →		63	125	250	500	1000	2000	4000	8000	16000
	-55	16.7	18.1	19.1	20.4	22.4	24.8	27.1	28.5	27.9
	-50	19.5	20.7	21.7	23.1	25.2	27.8	30.4	31.8	31.2
	-45	22.3	23.5	24.5	26.0	28.3	31.2	34.0	35.7	34.9
	-40	25.2	26.4	27.6	29.2	31.7	34.9	38.1	39.8	39.0
	-35	28.4	29.7	31.0	32.7	35.6	39.1	42.5	43.4	42.4
	-30	31.9	33.3	34.7	36.7	39.8	43.6	44.5	44.6	43.4
	-25	35.9	37.3	38.9	41.1	44.3	45.2	45.4	45.2	44.1
	-20	40.2	41.8	43.5	45.3	45.9	45.9	46.1	45.9	44.7

		dBV in								
J11	Audio In Level (dBV) ↓									
Frequency (Hz) →		63	125	250	500	1000	2000	4000	8000	16000
	-55	14.2	15.2	16.2	17.6	19.7	22.2	24.5	25.9	25.5
	-50	16.3	17.8	18.9	20.4	22.6	25.2	27.6	29.1	28.7
	-45	19.2	20.7	21.8	23.3	25.6	28.4	31.1	32.7	32.3
	-40	22.3	23.7	24.8	26.4	28.9	32.0	34.9	36.7	36.2
	-35	25.6	26.9	28.1	29.8	32.5	35.9	39.2	41.2	40.5
	-30	29.0	30.3	31.6	33.5	36.5	40.3	43.9	44.9	44.1
	-25	32.7	34.2	35.6	37.7	41.0	45.0	45.9	46.0	45.1
	-20	36.9	38.4	40.0	42.3	45.7	46.5	46.8	46.7	45.8

Results are Deviation (kHz)

Carrier frequency is the same as section 1