

## Modulation Characteristics – BLX1 H11/J11

Data by Frequency

	584.125MHz (H5)	606.150MHz (D6)
Freq (Hz)	Deviation H11 (kHz)	Deviation J11 (kHz)
25	20.9	21.2
31	24.0	24.4
40	25.3	25.7
50	25.4	25.8
63	25.4	25.7
80	25.3	25.5
100	25.3	25.5
125	25.3	25.5
160	25.3	25.5
200	25.4	25.6
250	25.6	25.7
315	25.9	26.0
400	26.2	26.3
500	26.7	26.8
630	27.4	27.4
800	28.2	28.2
1000	29.1	29.1
1250	30.1	30.0
2000	32.5	32.3
2500	33.6	33.4
3150	34.8	34.6
4000	35.9	35.7
5000	36.9	36.6
6300	37.6	37.3
8000	38.2	37.9
10000	39	38
12500	39	38
16000	38.2	37.7
20000	37.1	36.6

audio level input: -10dBV in  
settings: -10dB gain

**frequency of maximum response: 12.5kHz**

Data by Level

H11	Audio In Level (dBV) ↓									
Frequency (Hz)→		63	125	250	500	1000	2000	4000	8000	16000
	-20	19.5	19.6	19.9	20.9	22.9	25.7	28.6	30.4	30.4
	-15	22.4	22.4	22.7	23.7	25.9	29.0	32.2	34.2	34.1
	-10	25.5	25.3	25.7	26.8	29.2	32.6	36.1	38.4	38.3
	-5	28.8	28.6	28.9	30.2	32.9	36.7	40.6	43.1	43.1
	0	32.4	32.2	32.5	34.0	37.0	41.2	45.5	47.0	46.6
	5	36.4	36.1	36.5	38.2	41.6	46.0	47.6	48.1	47.8
	10	40.8	40.5	41.0	42.8	46.2	47.7	48.6	48.9	48.6
	15	45.8	45.4	45.8	46.8	47.7	48.6	49.3	49.6	49.4

J11	Audio In Level (dBV) ↓									
Frequency (Hz)→		63	125	250	500	1000	2000	4000	8000	16000
	-20	19.6	19.6	19.9	20.8	22.7	25.4	28.2	29.9	29.8
	-15	22.6	22.4	22.7	23.7	25.8	28.7	31.7	33.7	33.6
	-10	25.7	25.5	25.7	26.8	29.1	32.4	35.7	37.9	37.7
	-5	29.0	28.8	29.1	30.3	32.8	36.4	40.2	42.6	42.4
	0	32.7	32.4	32.8	34.1	36.9	41.0	44.8	45.6	45.2
	5	36.9	36.5	36.8	38.3	41.5	45.3	46.3	46.6	46.2
	10	41.4	41.0	41.4	43.1	45.7	46.6	47.1	47.4	47.0
	15	46.4	45.7	45.8	46.3	46.9	47.4	47.8	48.0	47.7

Results are Deviation (kHz)

Carrier frequency is the same as section 1