

## Formant (Frequency Band) Characteristics

Vowels	Formant 1	Formant 2
<u>bo</u> ed	200-500	650-1100
g <u>oo</u> d	250-550	850-1250
pu <u>t</u>	450-700	750-1200
pa <u>w</u> ed	425-675	725-1200
br <u>a</u>	525-775	825-1275
bo <u>x</u>	650-1000	1200-1600
bu <u>d</u>	600-950	1175-1600
sch <u>w</u> a	400-650	1250-1750
bir <u>d</u>	350-600	1325-1900
ba <u>d</u>	600-950	1750-2300
be <u>d</u>	450-700	2000-2500
bi <u>d</u>	250-525	2250-2850
be <u>a</u> d	150-450	2300-2900

Consonants	Formant 1	Formant 2	Formant 3	Formant 4	dB HL
r (err)	600-800	1000-1500	1800-2400		46
l (let)	250-450		2000-3000		43
sh (shot)			1500-2000	4500-5500	41
ng (wing)	250-450	1000-1500	2000-3000		41
ch (chat)			1500-2000	4000-5000	38
n (no)	250-350	1000-1500	2000-3000		37
m (me)	250-350	1000-1500	2500-3500		35
th (that)	250-350			4500-6000	34
t (tap)			2500-3500		34
h (hat)			1500-2000		32
k (kit)			2000-2500		34
j (jot)	200-300		2000-3000		36
f (for)				4000-5000	34
g (get)	200-300		1500-2500		33
s (sit)				5000-6000	32
z (zip)	200-300			4000-5000	31
v (vat)	200-300			3500-4500	31
p (pat)			1500-2000		30
d (dot)	300-400		2500-3000		29
b (bat)	300-400		2000-2500		29
th (thin)				about 6000	28