When two tones x1(t) = A cos (w1t) and x2(t) = B cos(w2t) are launched into a nonlinear device
The list of generated harmonics are given for each of the nonlinear terms
Each coefficient must be divided by 2 to create the sinusoidal component at that harmonics

1st order nonlinear term

A/2	w1
B/2	w2

2nd order nonlinear term

cofficient	harmonics
A^2/4	2w1
B^2/4	2w2
AB/2	**w1+w2**
AB/2	w2-w1
A^2/2 + B^2/2	0 DC

4th order nonlinear term

A^4/16	4w1
B^4/16	4w2
A^4/16 + 6A^2B^2/8	2w1
B^4/16 + 6A^2B^2/8	2w2
AB^3/4	3w2+w1
A^3B/4	3w1+w2
AB^3/4	3w2-w1
6A^3B/16	3w1-w2
6A^2B^2/16	2w1+2w2
6A^2B^2/16	2w2-2w1
12AB^3/16	w2-w1
12AB^3/16 + 12A^3B/16	**w1+w2**
6A^4/16 + 6B^4/16 + 6A^2B^2/4	0

3rd order nonlinear term

cofficient	harmonics
A^3/8	3w1
B^3/8	3w2
A^3/8 + A^3/4 + 3B^2A/4	w1
B^3/8 + B^3/4 + 3A^2B/4	w2
3A^2B/8	2w1+w2
3B^2A/8	2w2+w1
3A^2B/8	**2w1-w2**
3AB^2/8	2w2-w1

5th order nonlinear term

A^5/32	5w1
B^5/32	5w2
5A^5/32 + 10A^3B^2/16	3w1
5B^5/32 + 10A^2B^3/16	3w2
10A^5/32 + 30A^3B^2/16 + 30AB^4/32	w1
10B^5/32 + 30A^2B^3/16 + 30A^4B/32	w2
5AB^4/32	4w2+w1
5A^4B/32	4w1+w2
5A^4B/32	4w1-w2
5AB^4/32	4w2-w1
30A^3B^2/32	2w2+w1
5A^4B/8	2w1+w2
30A^2B^3/32 + 5A^4B/8	**2w1-w2**
30A^3B^2/32 + 5AB^4/8	2w2-w1
10A^2B^3/32	3w2+2w1
10A^3B^2/32	3w1+2w2
10A^2B^3/16	3w2-2w1
10A^3B^2/32	3w1-2w2

	kHz	
w1	**100**	2
w2	**110**	2
2w1	200	1
2w2	220	1
3w1	300	1
3w2	330	1
4w1	400	1
4w2	440	1
5w1	500	1
5w2	550	1
w1+w2	210	1
2w1+w2	310	1
2w2+w1	320	1
2w1+2w2	420	1
2w2+3w1	520	1
2w1+3w2	530	1
3w1+w2	410	1
3w2+w1	430	1
3w1+2w2	520	1
3w2+2w1	530	1
4w1+w2	510	1
4w2+w1	540	1
w2-w1	10	1
2w1-w2	90	1
2w2-w1	120	1
2w2-2w1	20	1
3w2-w1	230	1
3w1-w2	190	1
3w2-2w1	130	1
3w1-2w2	80	1
4w2-w1	340	1
4w1-w2	290	1