KVR Mix Challenge Statistics

Challenge: 05 (October 2014)
Revision: 30-10-2014

Genre: Instrumental / Funky
Song Photonic – Funky-Junkie

Entrant Name	Digital Max		Loudness					General Technical Statistics			Warnings
	True Peak (L / R)	dBTP max	RMS avg	RMS max	LRA	SLk (max)	DR (math)	SRC / Bit	Bit (true)	DC-Offset	
3ee (Round 1)	-6.86 dB / -6.31 dB	-6,31	-21,37	-16,27	+5.6 LU	-19.1 LUFS	15,0	44/16	15 Bits	-∞ dB / -∞ dB	
3ee (Round 2)	-3.22 dB / -3.24 dB	-3,22	-19,14	-13,94	+6.2 LU	-16.6 LUFS	15,9	44/24	24 Bits	-∞ dB / -∞ dB	
adam firegate	-3.55 dB / -4.43 dB	-3,55	-17,92	-12,77	+5.8 LU	-14.9 LUFS	14,3	44/24	24 Bits	-99.6 dB / -99.6 dB	
camsr (Round 1)	-0.76 dB / -1.85 dB	-0,76	-13,61	-9,63	+5.3 LU	-11.0 LUFS	12,8	48/24	24 Bits	-126.1 dB / -123.1 dB	
camsr (Round 2)	-3.52 dB / -4.28 dB	-3,52	-17,29	-12,72	+6.8 LU	-13.5 LUFS	13,7	48/24	24 Bits	-106.6 dB / -107.1 dB	
cruisy18 (Round 1)	-13.34 dB / -13.86 dB	-13,34	-28,21	-23,55	+6.5 LU	-26.3 LUFS	14,8	44/16	14 Bits	-99.9 dB / -102.7 dB	Work level may be too low
cruisy18 (Round 2)	-13.54 dB / -13.62 dB	-13,54	-28,27	-23,39	+6.5 LU	-26.3 LUFS	14,7	44/24	22 Bits	-100.8 dB / -104.0 dB	Work level may be too low
Doc Jon (Round 1)	-3.56 dB / -3.51 dB	-3,51	-17,19	-12,70	+6.3 LU	-14.6 LUFS	13,6	44/24	24 Bits	-86.3 dB / -86.3 dB	
Doc Jon (Round 2)	-3.60 dB / -2.78 dB	-2,78	-17,14	-12,13	+6.8 LU	-14.6 LUFS	14,3	44/24	24 Bits	-86.2 dB / -86.2 dB	
E-dude	-10.28 dB / -10.56 dB	-10,28	-25,44	-20,73	+6.7 LU	-23.1 LUFS	15,1	44/24	23 Bits	-93.7 dB / -93.6 dB	Work level may be too low
Fritze	-3.23 dB / -2.76 dB	-2,76	-14,99	-11,47	+6.5 LU	-13.0 LUFS	12,2	44/16	16 Bits	-∞ dB / -∞ dB	
G Liou	-7.01 dB / -6.78 dB	-6,78	-20,67	-14,47	+6.1 LU	-17.2 LUFS	13,8	44/24	23 Bits	-∞ dB / -∞ dB	
Headphone	-5.06 dB / -5.52 dB	-5,06	-18,14	-14,87	+4.3 LU	-16.3 LUFS	13,0	44/24	24 Bits	-69.0 dB / -69.8 dB	
Jim Kennedy	-0.08 dB / -0.14 dB	-0,08	-9,47	-6,46	+2.9 LU	-9.2 LUFS	9,3	44/16	24 Bits	-89.9 dB / -88.9 dB	prob. Premast. (Limiter at -0,5dB)
Junitoh	-3.10 dB / -3.82 dB	-3,10	-17,91	-14,99	+4.6 LU	-15.8 LUFS	14,8	48/16	16 Bits	-81.0 dB / -80.7 dB	
mwaudioprod	-2.33 dB / -2.31 dB	-2,31	-17,58	-13,72	+6.3 LU	-15.9 LUFS	15,2	44/24	24 Bits	-75.7 dB / -76.2 dB	
No Use	-3.29 dB / -3.30 dB	-3,29	-16,55	-11,14	+4.8 LU	-13.8 LUFS	13,2	44/16	16 Bits	-122.3 dB / -127.1 dB	
radio12	-4.86 dB / -5.63 dB	-4,86	-19,88	-15,16	+6.0 LU	-17.2 LUFS	15,0	44/24	24 Bits	-98.2 dB / -98.2 dB	
shroom feverish (Round 1)	-1.59 dB / -2.40 dB	-1,59	-16,80	-13,38	+4.5 LU	-14.8 LUFS	15,2	44/24	24 Bits	-60.9 dB / -60.6 dB	
shroom feverish (Round 2)	-1.46 dB / -1.62 dB	-1,46	-16,84	-13,38	+4.2 LU	-14.8 LUFS	15,3	44/24	24 Bits	-60.9 dB / -60.5 dB	
ThePresent	-3.37 dB / -3.37 dB	-3,37	-17,63	-14,02	+5.5 LU	-15.0 LUFS	14,2	44/16	16 Bits	-96.7 dB / -91.3 dB	
westcoast2	-1.08 dB / -0.88 dB	-0,88	-17,07	-12,04	+5.7 LU	-13.5 LUFS	16,1	44/16	16 Bits	-107.9 dB / -108.0 dB	
Yeager	-2.73 dB / -2.73 dB	-2,73	-19,43	-15,56	+4.4 LU	-16.8 LUFS	16,7	44/24	24 Bits	-81.3 dB / -81.2 dB	

LEGEND:
Digital max is in True Peak (dBTP) // Loudness is measured with a RMS offline meter (unweighted, 300ms timeframe) and an ITU-R BS.1770-x meter (LRA and SLk)
RMS values are in dBFS, Loudness Range is in LU, Short Term Loudness (SLk) in LUFS // Dynamic Range (DR) is a mathematical value (rounded down) of Loudness Avg to Digital True Peak Max
Reference Level is a guess-timation - confirmed reference level in green
Measurements taken with Wavelab 8.0.4's host internal analysis tool // measured prior to loudness normalization process

Color Codes (warnings and pointing out possible issues)
Digital Clipping
too hot max RMS (<10dB)
LRA <3 (maybe too dense mix)
LRA >8 (maybe too dynamic mix)
DR <10 (indication for low transients or mix bus treatment)

Guessed ideal LRA for this mix somewhere between +4 LRA to +7 LRA due to the nature of this song (read: value is program dependent)