

**EMC32 Report for FCC ID: AZ489FT7019
Motorola FL08 EMC Lab**

Test Information

EUT Name: Racer ic502
Serial Number: 364AGG00BZ
Test Description: Power-line conducted emissions
Operating Conditions: Room temp
Operator Name: Frank Baader
Comment: Charger SSW-0864

**Scan Parameters: Hardware Setup latest FCC class B - 3810 LISN -
[EMI conducted]**

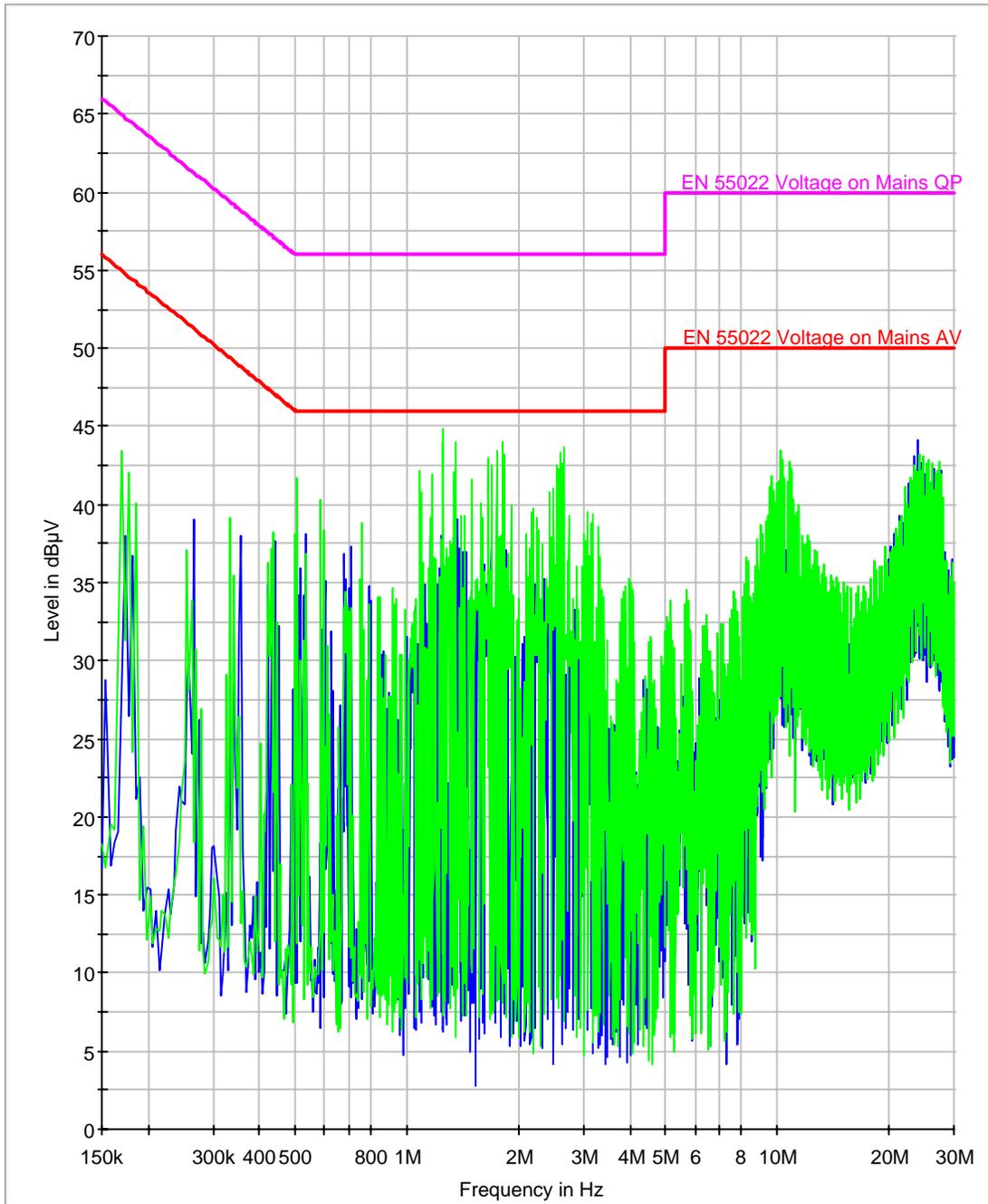
Subrange 1
Freq. Range: 150kHz - 30MHz
Receiver: ESMI
Transducer: 3810 LISN / ESMI-3810 LISN

**Scan Setup: EMI Conducted Scan latest FCC Peak det - 3810 LISN
[EMI conducted]**

Hardware Setup: Hardware Setup latest FCC class B - 3810 LISN
Level Unit: dBµV

Subrange 1:
Frequency Subrange: 150kHz - 30MHz
Comment:
Probe: 3810 LISN
Signal Path: ESMI-3810 LISN
Receiver: ESMI
RF Input: 1 DC
Detectors: MaxPeak
IF Bandwidth: 9kHz
Step Size: 4kHz
Meas. Time: 0.001s
Preamp: 0dB

EMI Conducted Scan latest FCC Peak det - 3810 LISN Phone Idle Auto Merge Results N (Green) L1 (Blue)



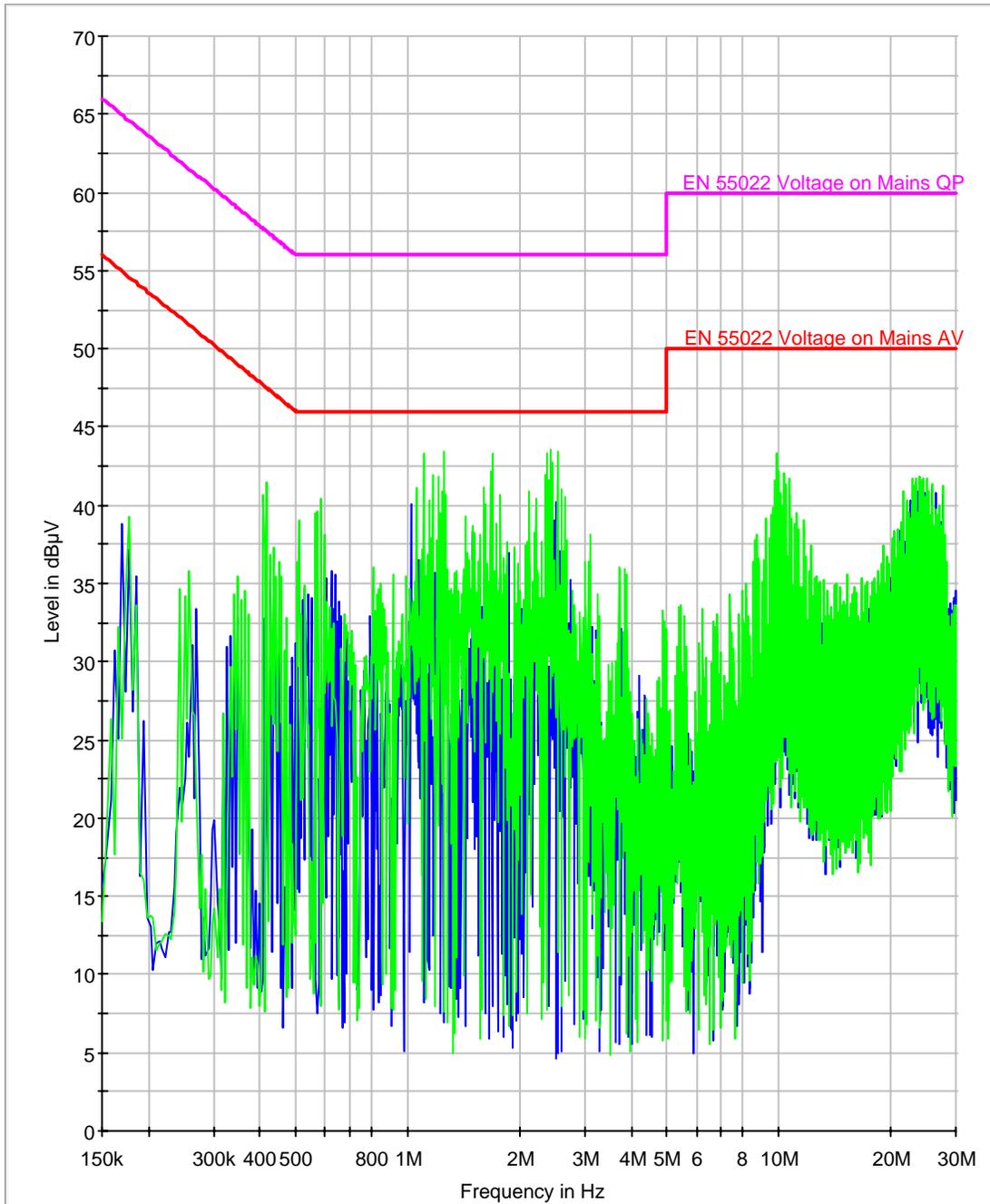
Phone Idle Result Table_Single

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Bandwidth (Hz)	PE	Line
0.266000	32.3	22.0	9000.000	GND	L1
0.506000	32.2	19.2	9000.000	GND	L1
1.250000	35.6	18.3	9000.000	GND	L1
1.350000	31.4	14.7	9000.000	GND	L1
1.754000	28.1	12.7	9000.000	GND	L1
1.822000	26.4	9.1	9000.000	GND	L1
0.266000	35.2	25.9	9000.000	GND	N
0.506000	40.1	25.5	9000.000	GND	N
1.250000	36.1	20.0	9000.000	GND	N
1.350000	41.3	22.6	9000.000	GND	N
1.754000	28.9	14.0	9000.000	GND	N
1.822000	26.3	12.0	9000.000	GND	N

Phone Idle Limits

Frequency	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
<= 500kHz							
266000	32.30	62.67	30.37	22.00	52.67	30.67	L1
266000	35.20	62.67	27.47	25.90	52.67	26.77	N
500kHz - 5MHz							
506000	32.20	56.00	23.80	19.20	46.00	26.80	L1
1250000	35.60	56.00	20.40	18.30	46.00	27.70	L1
1350000	31.40	56.00	24.60	14.70	46.00	31.30	L1
1754000	28.10	56.00	27.90	12.70	46.00	33.30	L1
1822000	26.40	56.00	29.60	9.10	46.00	36.90	L1
506000	40.10	56.00	15.90	25.50	46.00	20.50	N
1250000	36.10	56.00	19.90	20.00	46.00	26.00	N
1350000	41.30	56.00	14.70	22.60	46.00	23.40	N
1754000	28.90	56.00	27.10	14.00	46.00	32.00	N
1822000	26.30	56.00	29.70	12.00	46.00	34.00	N

EMI Conducted Scan latest FCC Peak det - 3810 LISN Phone Rx 851.0625MHz Auto Merge Results N (Green) L1 (Blue)



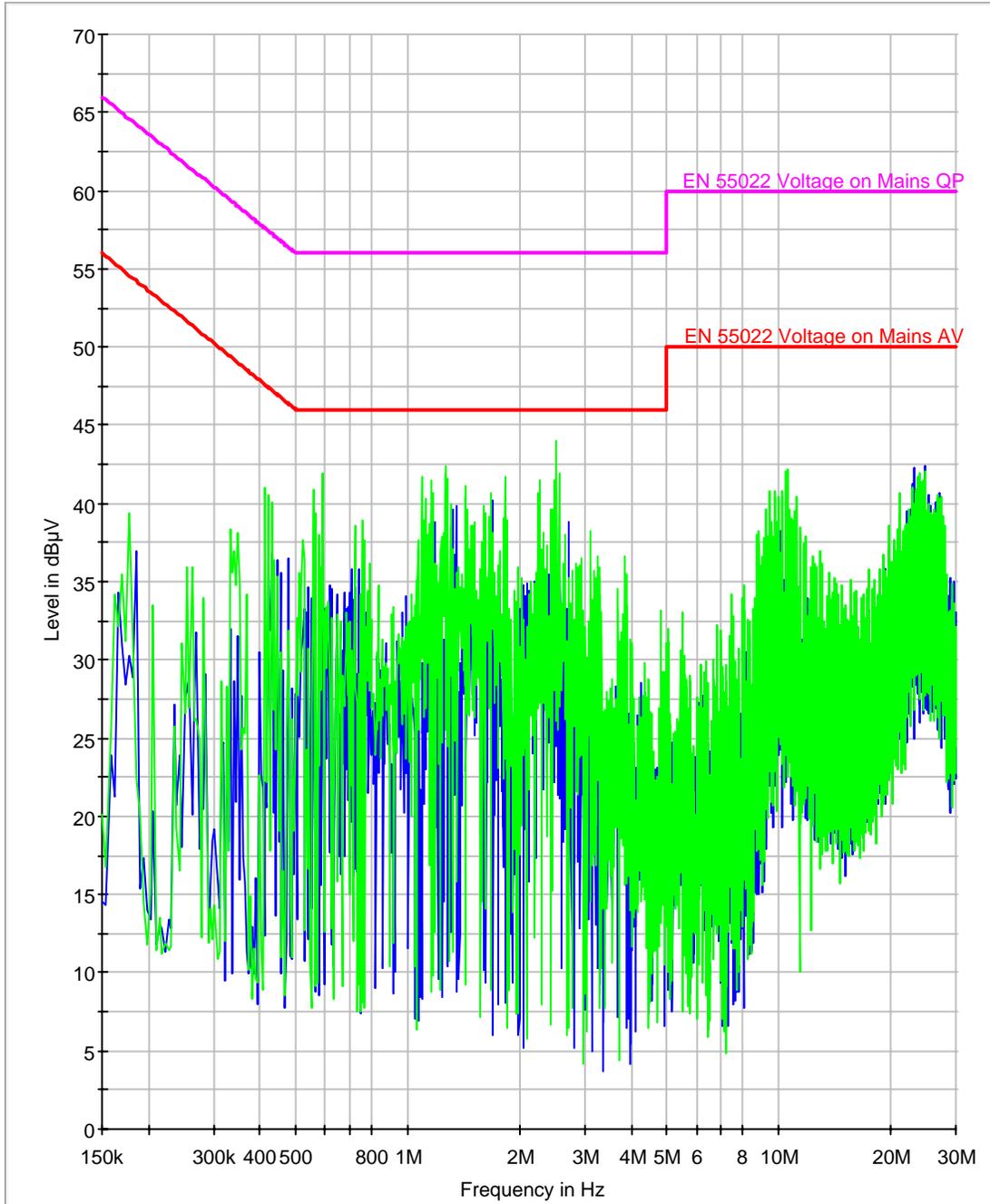
Phone Rx 851.0625MHz Result Table_Single

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Bandwidth (Hz)	PE	Line
1.102000	30.9	17.0	9000.000	GND	L1
1.258000	31.5	18.8	9000.000	GND	L1
1.686000	31.3	18.9	9000.000	GND	L1
2.382000	31.2	18.5	9000.000	GND	L1
2.434000	29.3	13.0	9000.000	GND	L1
2.526000	29.0	14.4	9000.000	GND	L1
1.102000	40.6	24.3	9000.000	GND	N
1.258000	38.7	23.2	9000.000	GND	N
1.686000	36.3	20.3	9000.000	GND	N
2.382000	38.5	22.9	9000.000	GND	N
2.434000	36.4	24.3	9000.000	GND	N
2.526000	35.7	21.8	9000.000	GND	N

Phone Rx 851.0625MHz Limits

Frequency	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
500kHz - 5MHz							
1102000	30.90	56.00	25.10	17.00	46.00	29.00	L1
1258000	31.50	56.00	24.50	18.80	46.00	27.20	L1
1686000	31.30	56.00	24.70	18.90	46.00	27.10	L1
2382000	31.20	56.00	24.80	18.50	46.00	27.50	L1
2434000	29.30	56.00	26.70	13.00	46.00	33.00	L1
2526000	29.00	56.00	27.00	14.40	46.00	31.60	L1
1102000	40.60	56.00	15.40	24.30	46.00	21.70	N
1258000	38.70	56.00	17.30	23.20	46.00	22.80	N
1686000	36.30	56.00	19.70	20.30	46.00	25.70	N
2382000	38.50	56.00	17.50	22.90	46.00	23.10	N
2434000	36.40	56.00	19.60	24.30	46.00	21.70	N
2526000	35.70	56.00	20.30	21.80	46.00	24.20	N

EMI Conducted Scan latest FCC Peak det - 3810 LISN Phone Tx 806.0625MHz Auto Merge Results N (Green) L1 (Blue)



Phone Tx 806.0625MHz Result Table_Single

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Bandwidth (Hz)	PE	Line
1.090000	30.3	17.7	9000.000	GND	L1
1.262000	32.1	19.0	9000.000	GND	L1
1.438000	30.1	17.1	9000.000	GND	L1
1.826000	25.2	11.5	9000.000	GND	L1
2.266000	29.7	16.5	9000.000	GND	L1
2.522000	29.4	18.9	9000.000	GND	L1
1.090000	38.0	13.7	9000.000	GND	N
1.262000	39.7	24.5	9000.000	GND	N
1.438000	37.6	22.8	9000.000	GND	N
1.826000	29.8	17.0	9000.000	GND	N
2.266000	34.5	18.5	9000.000	GND	N
2.522000	36.4	23.6	9000.000	GND	N

Phone Tx 806.0625MHz Limits

Frequency	QP Value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
1090000	30.30	56.00	25.70	17.70	46.00	28.30	L1
1262000	32.10	56.00	23.90	19.00	46.00	27.00	L1
1438000	30.10	56.00	25.90	17.10	46.00	28.90	L1
1826000	25.20	56.00	30.80	11.50	46.00	34.50	L1
2266000	29.70	56.00	26.30	16.50	46.00	29.50	L1
2522000	29.40	56.00	26.60	18.90	46.00	27.10	L1
1090000	38.00	56.00	18.00	13.70	46.00	32.30	N
1262000	39.70	56.00	16.30	24.50	46.00	21.50	N
1438000	37.60	56.00	18.40	22.80	46.00	23.20	N
1826000	29.80	56.00	26.20	17.00	46.00	29.00	N
2266000	34.50	56.00	21.50	18.50	46.00	27.50	N
2522000	36.40	56.00	19.60	23.60	46.00	22.40	N