

EMC32 Report for FCC ID:AZ489FT7019

Motorola FL08 EMC Lab

Test Information

EUT Name: Racer ic502 ISM
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]

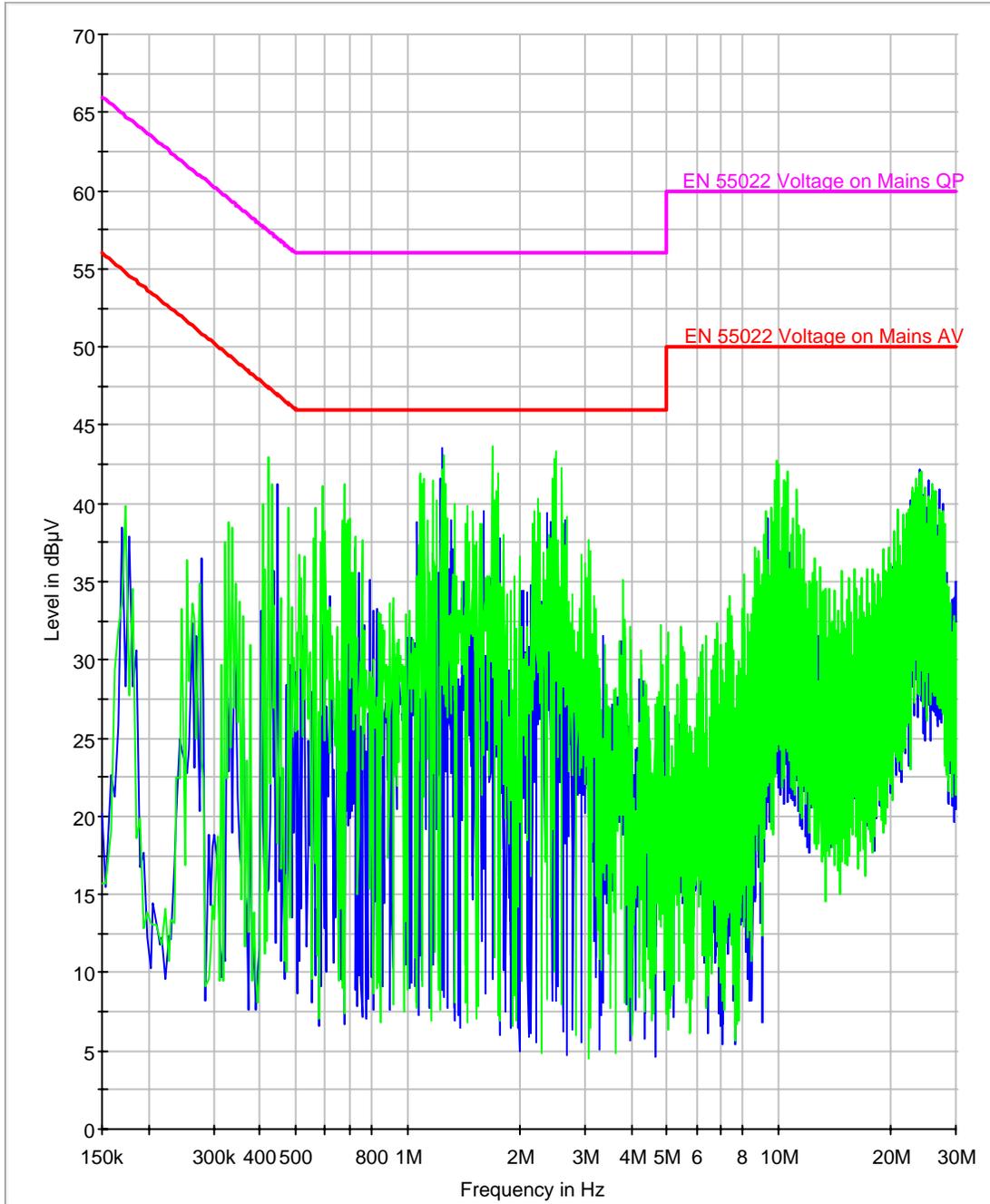
Subrange 1
Freq. Range: 150kHz - 30MHz
Receiver: ESMI
Transducer: 3810 LISN / ESMI-3810 LISN

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: dB μ V

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 Rx ISM 902.625MHz Auto Merge Results N (Green) L1 (Blue)



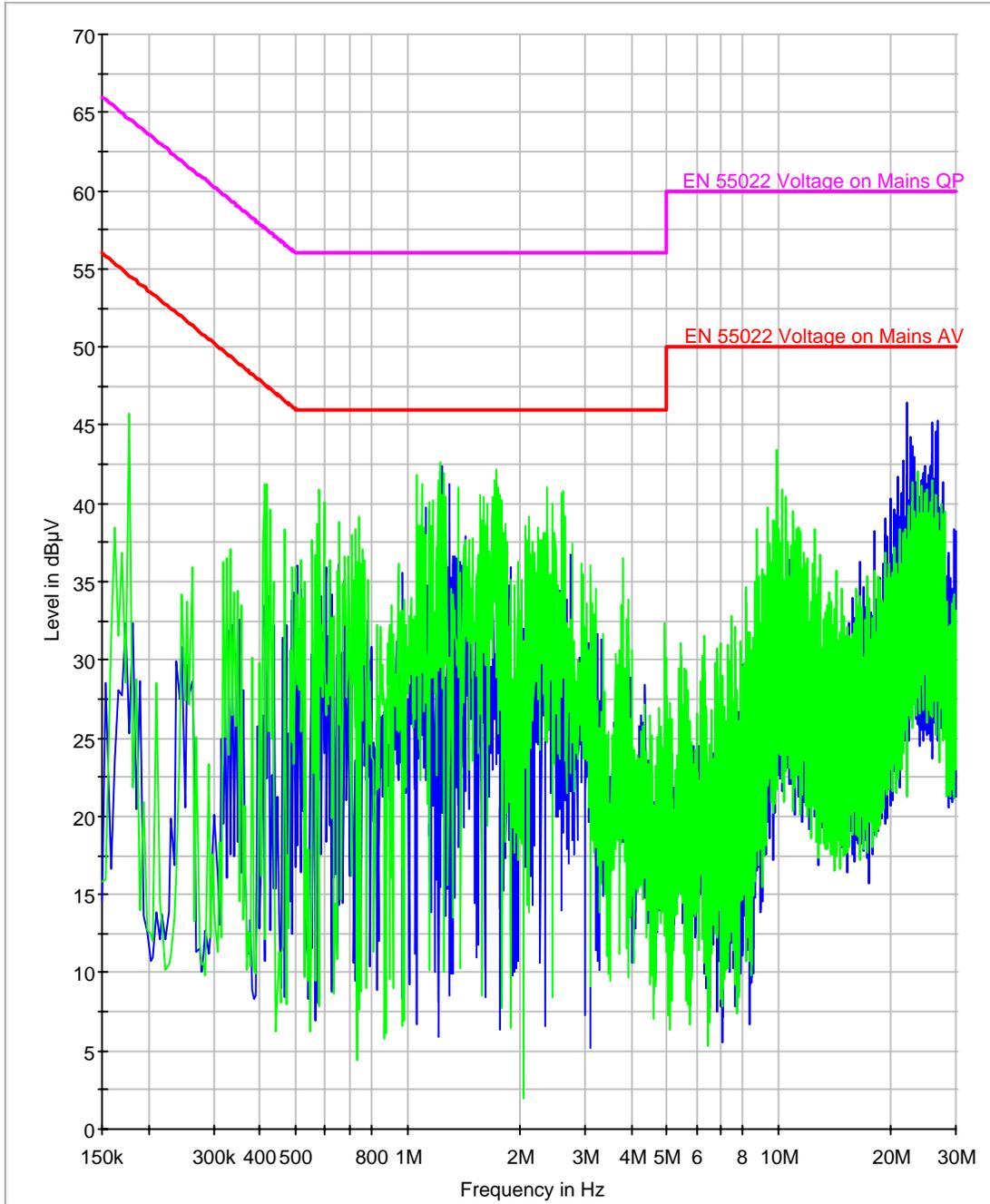
Phone Rx ISM 902.625MHz Result Table_Single

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Bandwidth (Hz)	PE	Line
0.422000	33.2	19.8	9000.000	GND	L1
0.446000	36.6	20.7	9000.000	GND	L1
1.086000	28.8	14.9	9000.000	GND	L1
1.242000	33.4	19.4	9000.000	GND	L1
1.686000	31.2	19.8	9000.000	GND	L1
2.510000	30.8	15.8	9000.000	GND	L1
0.422000	40.0	24.9	9000.000	GND	N
0.446000	36.9	23.7	9000.000	GND	N
1.086000	35.2	10.3	9000.000	GND	N
1.242000	33.9	20.0	9000.000	GND	N
1.686000	35.8	19.4	9000.000	GND	N
2.510000	35.7	23.6	9000.000	GND	N

Phone Rx ISM 902.625MHz Limits

Frequency	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
<= 500kHz							
422000	33.20	58.18	24.98	19.80	48.18	28.38	L1
446000	36.60	57.49	20.89	20.70	47.49	26.79	L1
422000	40.00	58.18	18.18	24.90	48.18	23.28	N
446000	36.90	57.49	20.59	23.70	47.49	23.79	N
500kHz - 5MHz							
1086000	28.80	56.00	27.20	14.90	46.00	31.10	L1
1242000	33.40	56.00	22.60	19.40	46.00	26.60	L1
1686000	31.20	56.00	24.80	19.80	46.00	26.20	L1
2510000	30.80	56.00	25.20	15.80	46.00	30.20	L1
1086000	35.20	56.00	20.80	10.30	46.00	35.70	N
1242000	33.90	56.00	22.10	20.00	46.00	26.00	N
1686000	35.80	56.00	20.20	19.40	46.00	26.60	N
2510000	35.70	56.00	20.30	23.60	46.00	22.40	N

EMI Conducted Scan latest FCC Peak det - 3810 LISN Phone Tx ISM 902.525MHz Auto Merge Results N (Green) L1 (Blue)



Phone Tx ISM 902.525MHz Result Table_Single

Frequency (MHz)	QuasiPeak (dB μ V)	Average (dB μ V)	Bandwidth (Hz)	PE	Line
0.178000	30.8	21.6	9000.000	GND	L1
1.058000	35.6	18.0	9000.000	GND	L1
1.222000	30.8	19.3	9000.000	GND	L1
1.738000	33.6	19.2	9000.000	GND	L1
2.370000	34.0	20.5	9000.000	GND	L1
22.262000	37.1	24.1	9000.000	GND	L1
0.178000	34.0	19.3	9000.000	GND	N
1.058000	37.0	23.8	9000.000	GND	N
1.222000	38.4	24.8	9000.000	GND	N
1.738000	36.8	23.4	9000.000	GND	N
2.370000	37.9	23.1	9000.000	GND	N
22.262000	37.2	25.8	9000.000	GND	N

Phone Tx ISM 902.525MHz Limits

Frequency	QP value	QP Limit	QP Margin	Avr Value	Avr Limit	Avr Margin	Ph
<= 500kHz							
178000	30.80	65.20	34.40	21.60	55.20	33.60	L1
178000	34.00	65.20	31.20	19.30	55.20	35.90	N
500kHz - 5MHz							
1058000	35.60	56.00	20.40	18.00	46.00	28.00	L1
1222000	30.80	56.00	25.20	19.30	46.00	26.70	L1
1738000	33.60	56.00	22.40	19.20	46.00	26.80	L1
2370000	34.00	56.00	22.00	20.50	46.00	25.50	L1
1058000	37.00	56.00	19.00	23.80	46.00	22.20	N
1222000	38.40	56.00	17.60	24.80	46.00	21.20	N
1738000	36.80	56.00	19.20	23.40	46.00	22.60	N
2370000	37.90	56.00	18.10	23.10	46.00	22.90	N
5MHz - 30MHz							
22262000	37.1000	60.0000	22.9000	24.1000	50.0000	25.9000	L1
22262000	37.2000	60.0000	22.8000	25.8000	50.0000	24.2000	N