

To: Solid Applied Technologies Ltd.

03 August, 2009

Att.: Hanan Dahan

Subject: **EMC tests on GaugerGSM 50/75kHz system.**

Dear Sir,

We would like to inform you that Gauger GSM 50/75kHz device has being tested at SII EMC laboratory according to EN 55011, FCC part15 and EN 61000-6-2 standards requirements.

The system consists of:

GaugerGSM 50/75kHz with internal GSM modem and GSM antenna.

For brief test description and results refer to table below.

<b>Test Description</b>	<b>Standard</b>	<b>Verdict</b>
Conducted emission on frequencies range of 150 kHz to 30 MHz	EN 55011	Preliminary test results are presented below
Conducted emission on frequencies range of 150 kHz to 30 MHz	FCC part15	Preliminary test results are presented below
Radiated emission (supplied from 12VDC)	EN 55011	Preliminary test results are presented below
Radiated Immunity 10 V/m in frequencies range: 80 MHz – 1 GHz	EN 61000-6-2/ IEC 61000-4-3	Pass
Immunity from ESD	EN 61000-6-2/ IEC 61000-4-2	Pass
Immunity from conducted disturbances induced by radio-frequency fields on DC line	EN 61000-6-2/ IEC 61000-4-6	Pass

Name: Albert Herzenshtein

Position: Testing Engineer, EMC Branch, SII Telematics Laboratory

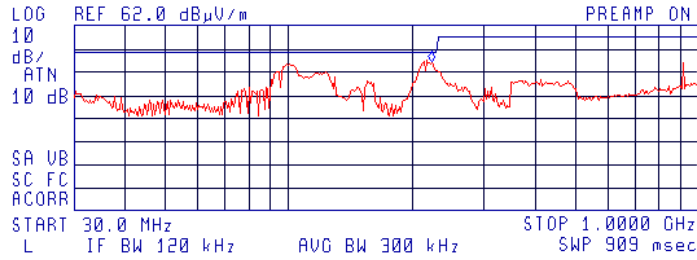
Email: [albert\\_h@sii.org.il](mailto:albert_h@sii.org.il)

Radiated emission test results.

09:48:30 JUN 21, 2009

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QP <sub>Δ</sub> L1
1	99.654790	31.9	15.8	9.9	-34.7
2	119.588375	41.2	38.8	35.8	-11.7
3	191.818225	40.7	39.4	34.6	-11.1
4	215.545500	44.5	41.7	33.7	-8.8
5	219.004200	46.8	39.7	14.0	-10.8

ACTV DET: PEAK  
 MEAS DET: PEAK QP AVG  
 MKR 222.5 MHz  
 46.57 dB $\mu$ V/m



Conducted emission test results.

