

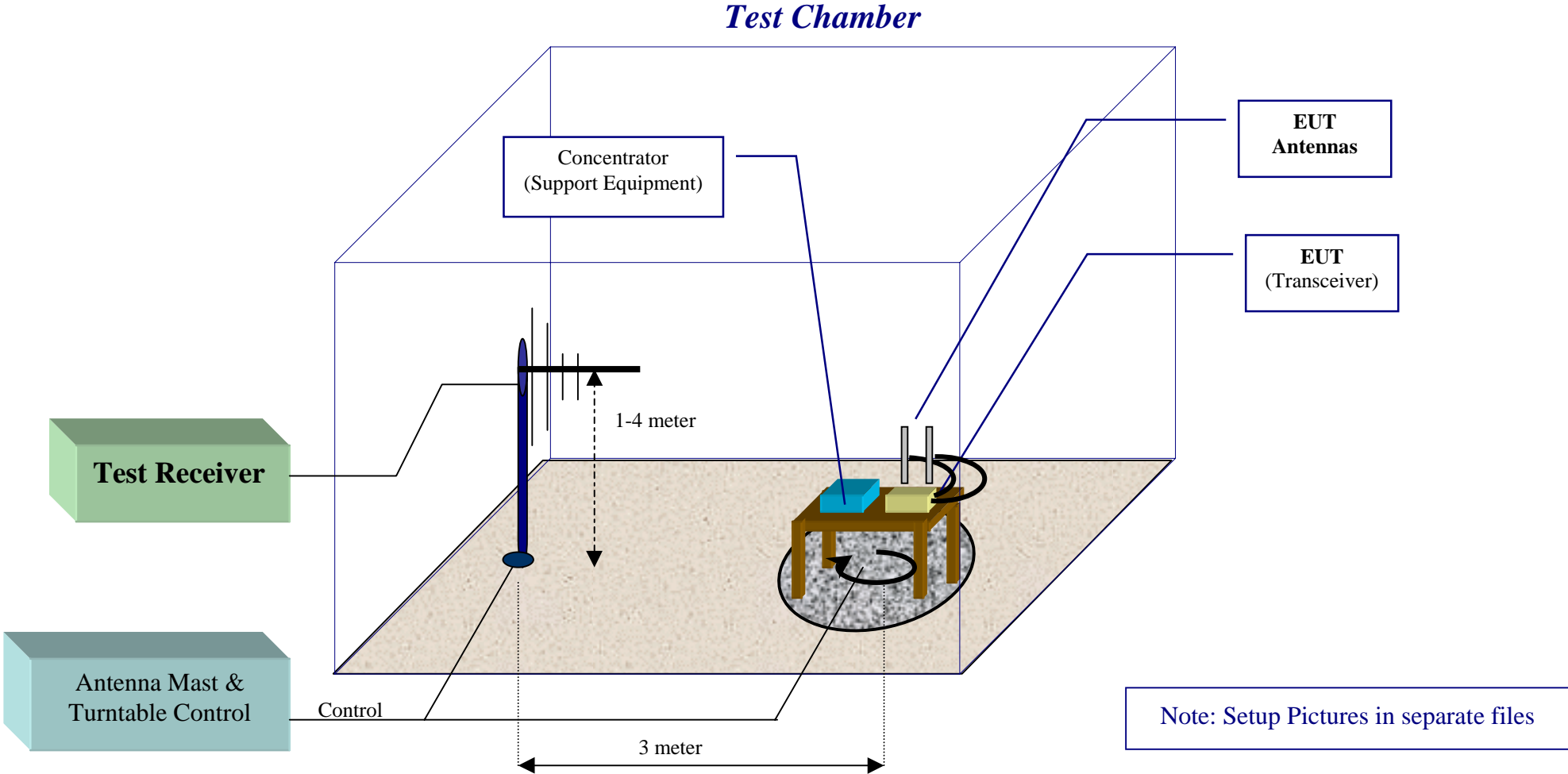
Appendix 1 - List of Test Equipment

Equipment	Manufacturer	Model
EMC Receiver	HP	HP8546A+HP85460A
Controller	ANR	L2-SR3000
Biconilog Antenna	EMMCO	3141
Ridged Horn Antenna 1-18GHz	Electro-Metrics	RGA50/60
Spectrum Analyzer	Anritsu	MS2601A

Equipment Calibration

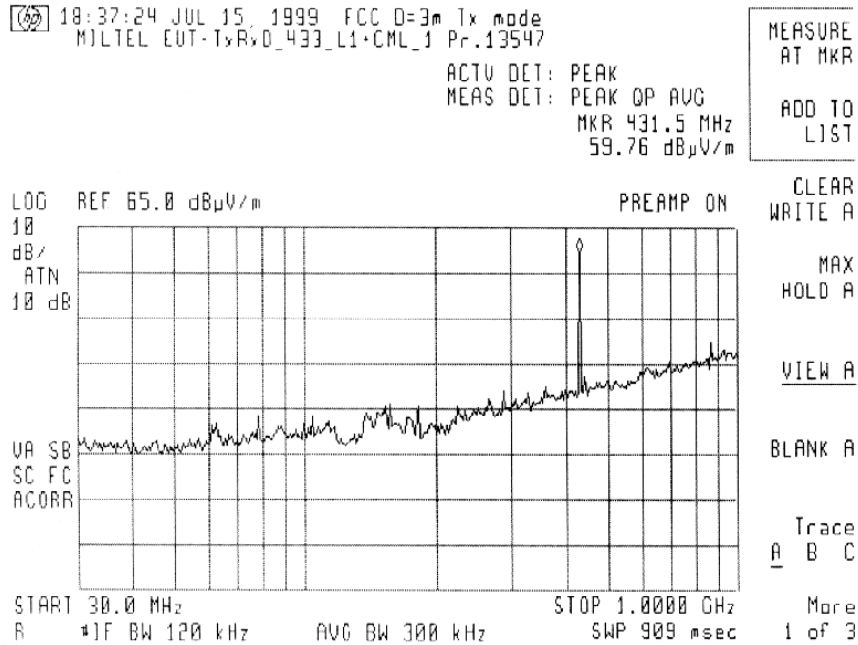
All the above listed test equipment at Hermon Laboratories, including additional accessories (Cables, Attenuators and Adapters), have been calibrated according to their recommended procedure and is within the manufacturer's specified limits of error. The Laboratory equipment is calibrated by a third party (Traceable to NIST, USA), on a regular basis and according to equipment manufacturer specifications.

Appendix 2 - Test Setup Drawings and Pictures



Appendix 3. Graphical Test Results

Radiated Emissions



Signal	Freq (MHz)	Peak Amp (dBuV/m)	QP Amp (dBuV/m)	Avg Amp (dBuV/m)	Corrections (dB)
1	33.795590	31.23	27.21	0.00	8.11
2	131.038903	40.14	38.52	0.00	9.81
3	138.153669	37.73	35.20	0.00	10.17
4	183.465054	37.78	36.35	0.00	11.57
5	340.718279	40.06	37.71	0.00	17.30
6	433.923100	65.45	65.26	65.16	19.00
7	1301.758964	53.56	49.49	47.79	31.18

For test report.

19:15:15 JUL 15, 1999 FCC D=3m Tx mode
MILTEL EUT-TxRx0_433_L1-CML_1 Pr.13547

ACTV DET: PEAK
MEAS DET: PEAK QP AVG
MKR 2.176 GHz
42.86 dB μ V/m

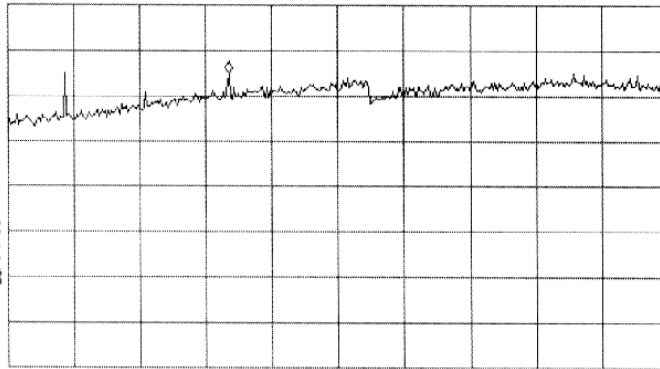
MEASURE
AT MKR

ADD TO
LIST

LOG REF 58.0 dB μ V/m

PREAMP ON

10
dB/
#ATN
0 dB



CLEAR
WRITE A

MAX
HOLD A

VIEW A

BLANK A

Trace
A B C

START 1.000 GHz

STOP 4.500 GHz

RL #1F BW 1.0 MHz

AVG BW 300 kHz

SWP 70.0 msec

More
1 of 3

Signal	Freq (MHz)	Peak Amp (dB μ V/m)	QP Amp (dB μ V/m)	Avg Amp (dB μ V/m)	Corrections (dB)
1	2169.626142	47.09	41.96	40.45	32.86

16:47:17 JUL 15, 1999 FCC D=3m Rx mode
MILTEL EUT-TxRx0_433_L1-CML_1 Pr.13547

ACTV DET: PEAK
MEAS DET: PEAK QP
Mkr 131.3 MHz
35.46 dB μ V/m

MEASURE
AT MKR
ADD TO
LIST

LOG REF 60.0 dB μ V/m

PREAMP ON

CLEAR
WRITE A

10
dB/
ATTN
10 dB

MAX
HOLD A

VA SB
SC FC
ACORR

VIEW A

BLANK A

Trace
A B C

START 30.0 MHz

STOP 1.0000 GHz

More
1 of 3

RL 1F BW 120 kHz

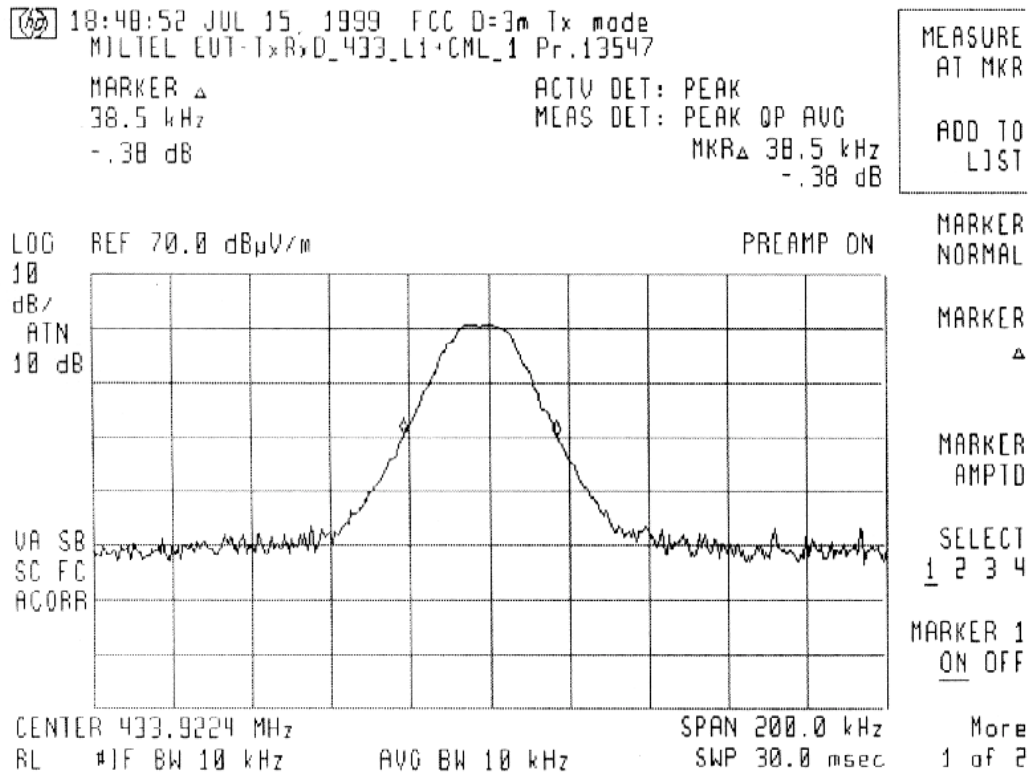
AVG BW 300 kHz

SWP 909 msec

For test report.

Signal	Freq (MHz)	QP Amp (dB μ V/m)	QP - Lim1 (dB)	Corrections (dB)
1	33.795590	27.21	-12.79	8.11
2	131.038903	38.52	-4.98	9.81
3	138.153669	35.20	-8.30	10.17
4	183.465054	36.35	-7.15	11.57
5	340.718279	37.71	-8.29	17.30

Bandwidth



For test report.

Appendix 4 - Photographs of EUT

See pictures of *Speed TxRx Transceiver* in attached files.