



















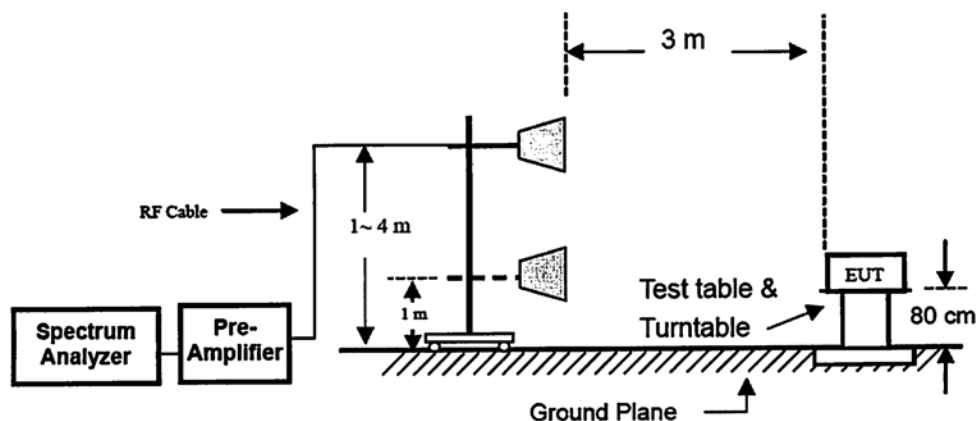


<b>Normative Reference Standard</b>	FCC CFR 47 §15.249; RSS-210
<b>Procedure Reference</b>	ANSI C63.4:2003


<b>Temperature</b>	25 +/- 5 °C
<b>Humidity</b>	40 +/- 10 %
<b>Barometric Pressure</b>	101 +/- 3 kPa

ASSET NUMBER	MANUFACTURER	MODEL	DESCRIPTION	CAL DUE
00241	R&S	FSP40	Spectrum Analyzer	09 Apr 15
00072	EMCO	2075	Mini-mast	n/a
00073	EMCO	2080	Turn Table	n/a
00071	EMCO	2090	Multi-Device Controller	n/a
00050	Chase	CBL-6111A	Bilog Antenna	03 May14
00034	ETS	3115	Double Ridged Guide Horn	06 Dec 14

### Measurement Frequency above 1GHz






<b>Applicant:</b>	<b>Microlynx</b>	<b>Model:</b>	<b>Testork 5031416</b>	<b>FCC ID:</b>	<b>L5M5031416</b>	<b>IC:</b>	<b>6364A-5031416</b>	
<b>DUT :</b>	<b>Testork 5031416, 2.4GHz Transmitter</b>							
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Test Lab Certificate No.  
 2470.01

15.249(a)(d) Emissions Field Strength– Peak Detector Testork Low Power Transmitter								
Frequency (MHz)	Antenna Pol.	Emission Level (dBuV/m) @ 1m	Antenna Factor (dB)	Cable Loss/Amp Gain Corr.	Distance Correction	Emission Level (dBuV/m@3m)	Limit (avg) (dBuV/m@3m)	Margin
7215.0	V	40.61	35.9	-26.0	-9.54	40.97	54.0	-13.03
7275.0	V	41.44	36.2	-26.0	-9.54	42.1	54.0	-11.9
7425.0	V	35.96	36.5	-26.0	-9.54	36.92	54.0	-17.08

Notes:

Data presented using a Pk detector compared to average limits.

Device characterization was performed on all axis to determine worst case orientation.

The device was tested using fresh batteries throughout all testing.

Worst case performance has been presented.

The Device was searched to the 10<sup>th</sup> harmonic of the fundamental (24.75 GHz).

All detected emissions have been reported.

**Radiated Spurious Emissions:**  
Microlynx Testork  
Vertical Polarization

The graph displays the radiated spurious emissions for the Microlynx Testork device under vertical polarization. The Y-axis represents Amplitude in dBuV, ranging from 0 to 130.0. The X-axis represents Frequency in MHz, ranging from 10.0M to 1.0G. A red line indicates the measured emissions, which show a general upward trend with some fluctuations. A black stepped line represents the regulatory limit, which is constant at 40 dBuV from 10.0M to 100.0M, then steps up to 43 dBuV from 100.0M to 300.0M, and finally to 45 dBuV from 300.0M to 1.0G. The measured emissions are below the limit for most of the frequency range, except for a small peak near 1.0G.

Frequency (MHz)	Amplitude (dBuV)
10.0M	20.0
20.0M	15.0
30.0M	10.0
40.0M	10.0
50.0M	10.0
60.0M	10.0
70.0M	10.0
80.0M	10.0
90.0M	10.0
100.0M	15.0
200.0M	15.0
300.0M	20.0
400.0M	25.0
500.0M	25.0
600.0M	25.0
700.0M	25.0
800.0M	25.0
900.0M	25.0
1.0G	35.0

