

Test Setups

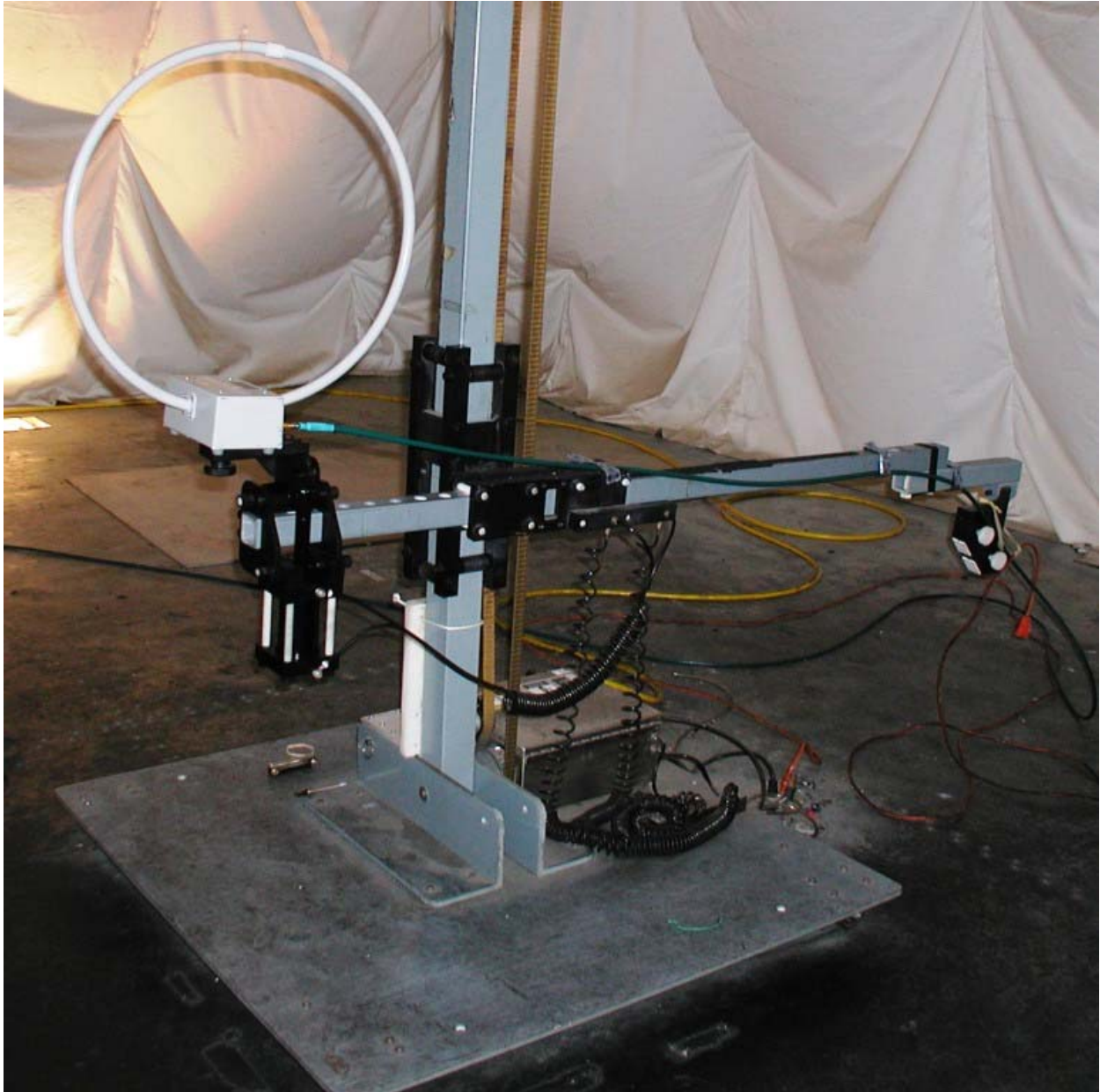


Photo 1: Test setup for radiated spurious between 9kHz and 30MHz with Loop Antenna.



Photo 2: Test setup for radiated spurious between 9kHz and 30MHz with Loop Antenna shown and Range Extender.



Photo 3: Test setup for radiated spurious between 9kHz and 30MHz with Loop Antenna shown and Range Extender.



Photo 4: Test setup for radiated spurious between 9kHz and 30MHz with Loop Antenna and Range Extender.

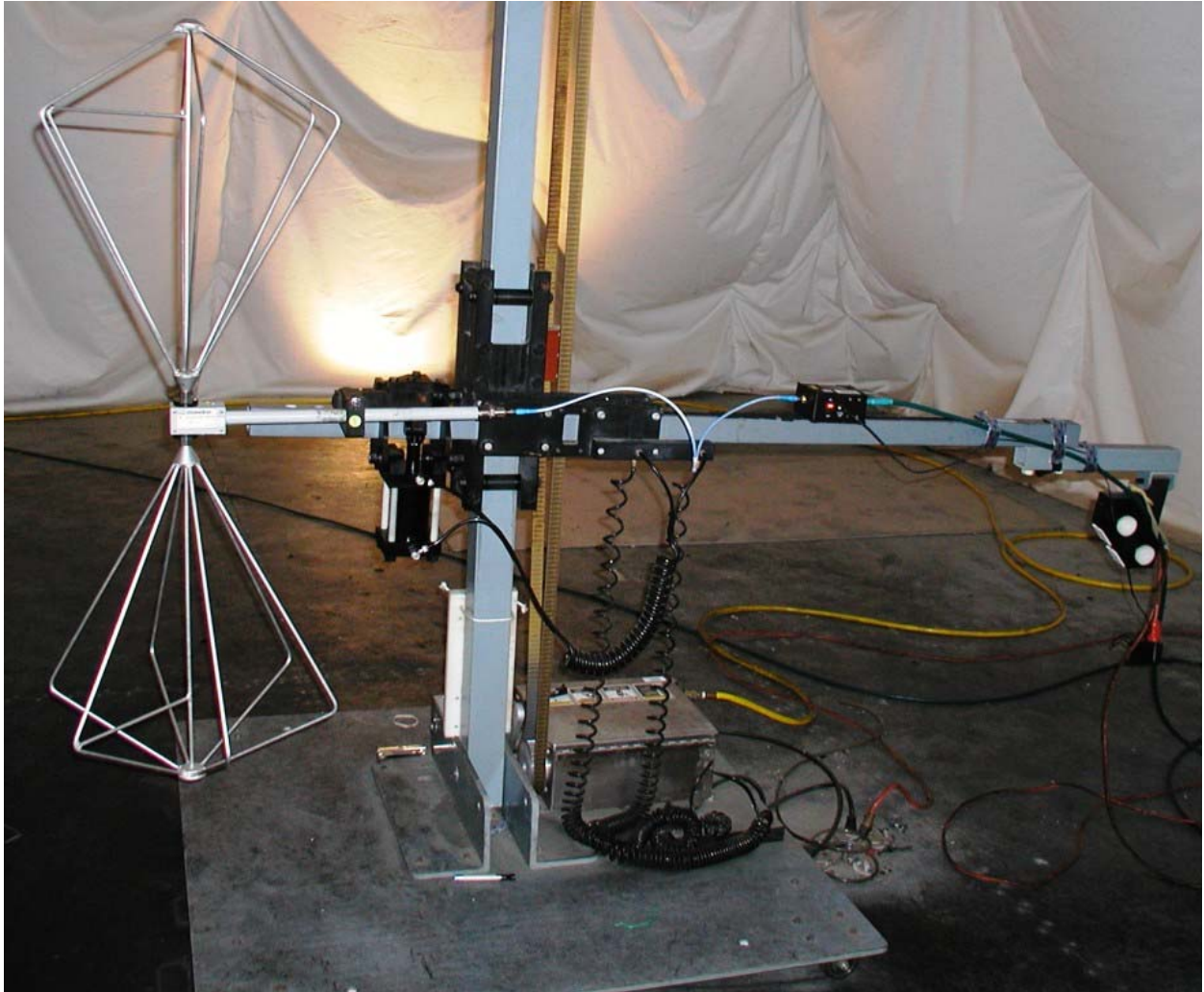


Photo 5: Test Setup for Radiated Spurious measurements between 30MHz and 300MHz using Biconical antenna shown here in vertical orientation



Photo 6: Test Setup for Radiated Spurious measurements between 30MHz and 300MHz using Biconical antenna shown here in horizontal orientation and Range Extender.



Photo 7: Test Setup for Radiated Spurious measurements between 30MHz and 300MHz using Biconical antenna shown here in vertical orientation and Range Extender.

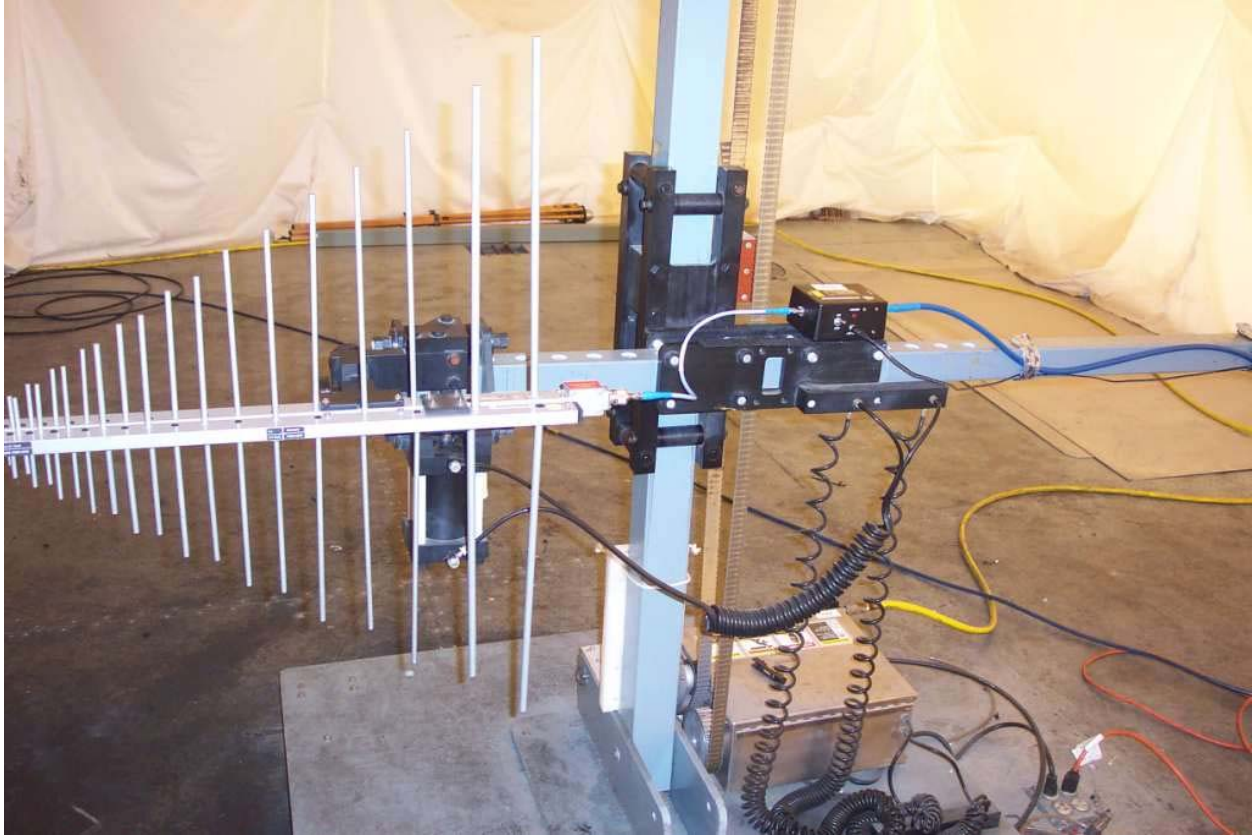


Photo 8: Test setup for RX radiated spurious between 200MHz and 2GHz with AH Systems PAM 0126 amplifier and EMCO 3148 Log Periodic in vertical orientation.



Photo 9: Test setup for RX radiated spurious between 200MHz and 2GHz with Log Periodic in horizontal orientation shown with Range Extender.



Photo 10: Test setup for TX radiated spurious between 200MHz and 2GHz with Log Periodic in vertical orientation shown with Range Extender.

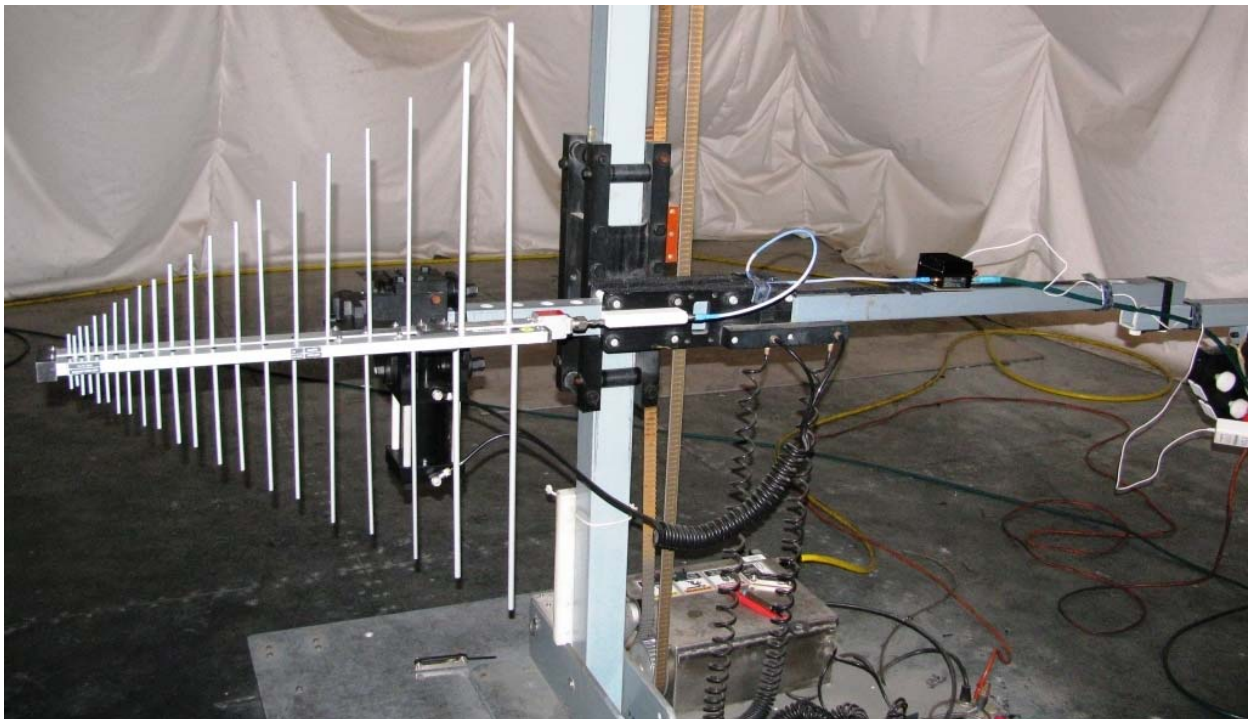


Photo 11: Test setup for TX radiated spurious between 200MHz and 2GHz with Log Periodic in vertical orientation.

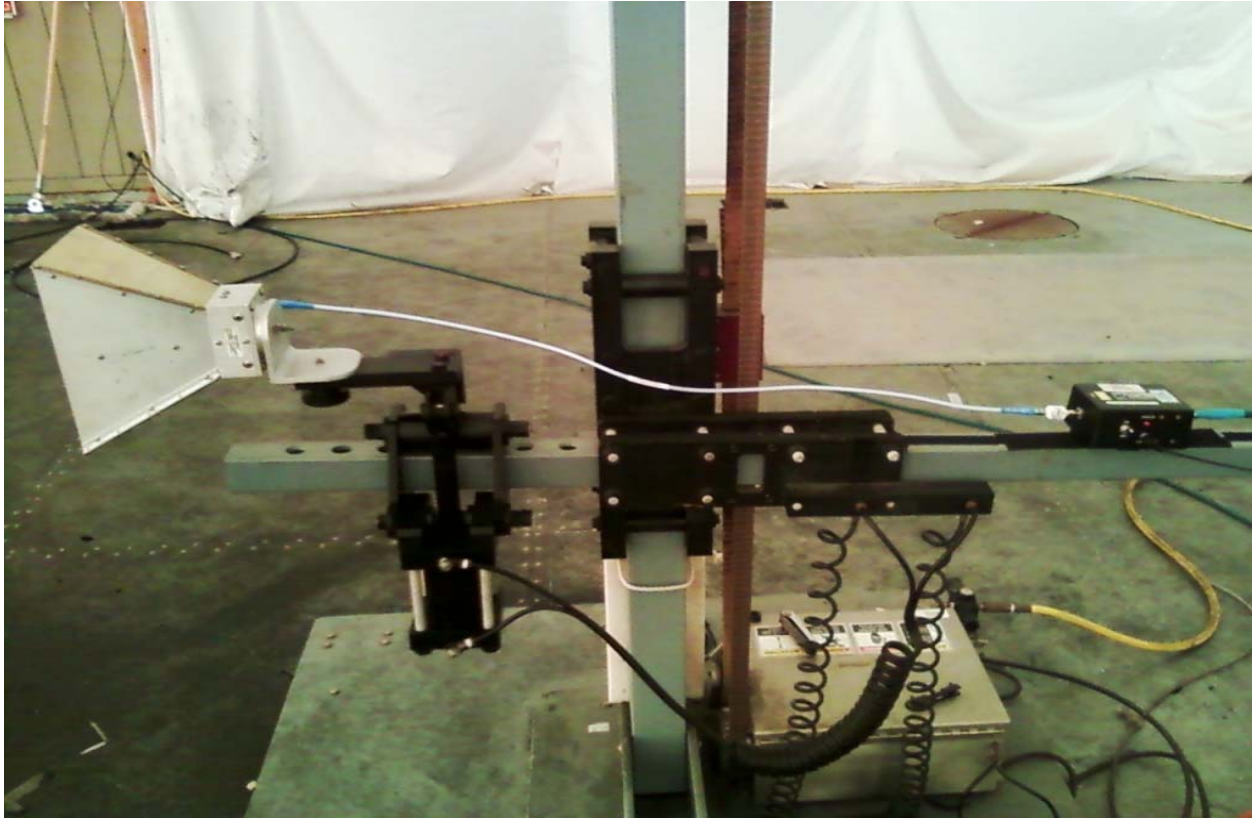


Photo 12: Test setup for TX and RX radiated spurious emissions between 3 and 18GHz (Horizontal polarity shown) with high pass filter.

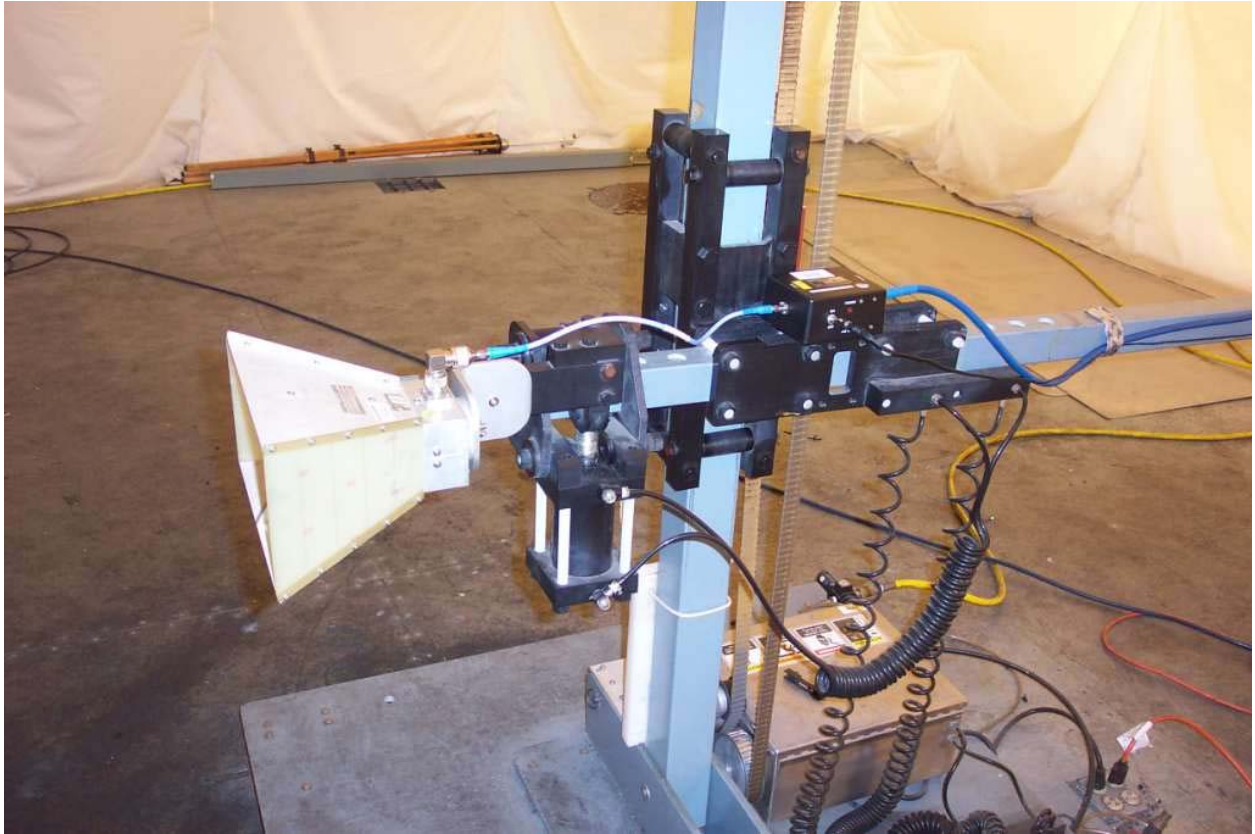


Figure 13: Test setup for RX spurious emission measurements between 1 and 3 GHz with horn in vertical polarity.



Photo 14: Test setup for radiated spurious emissions below 18GHz with horn in horizontal polarity and Range Extender.



Photo 15: Test setup for radiated spurious emissions below 18GHz with horn antenna in vertical polarity and Range Extender.

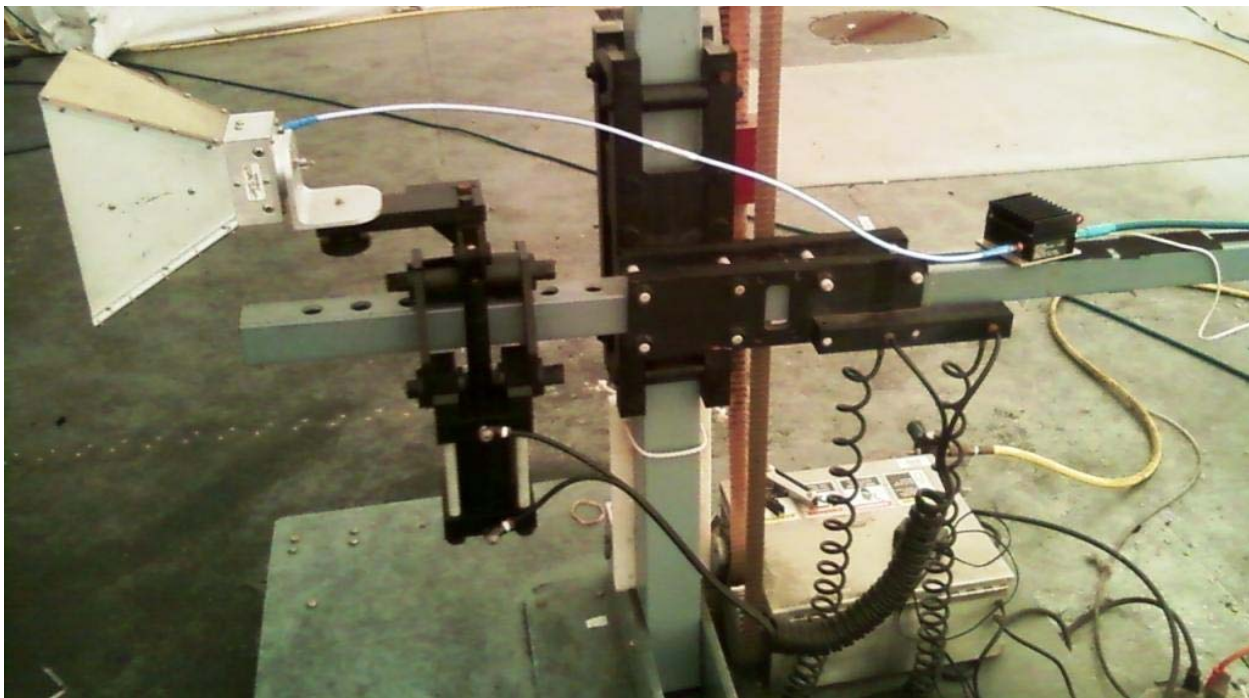


Figure 16: Test setup for TX radiated spurious emissions between 1 and 3GHz (Vertical polarity shown)

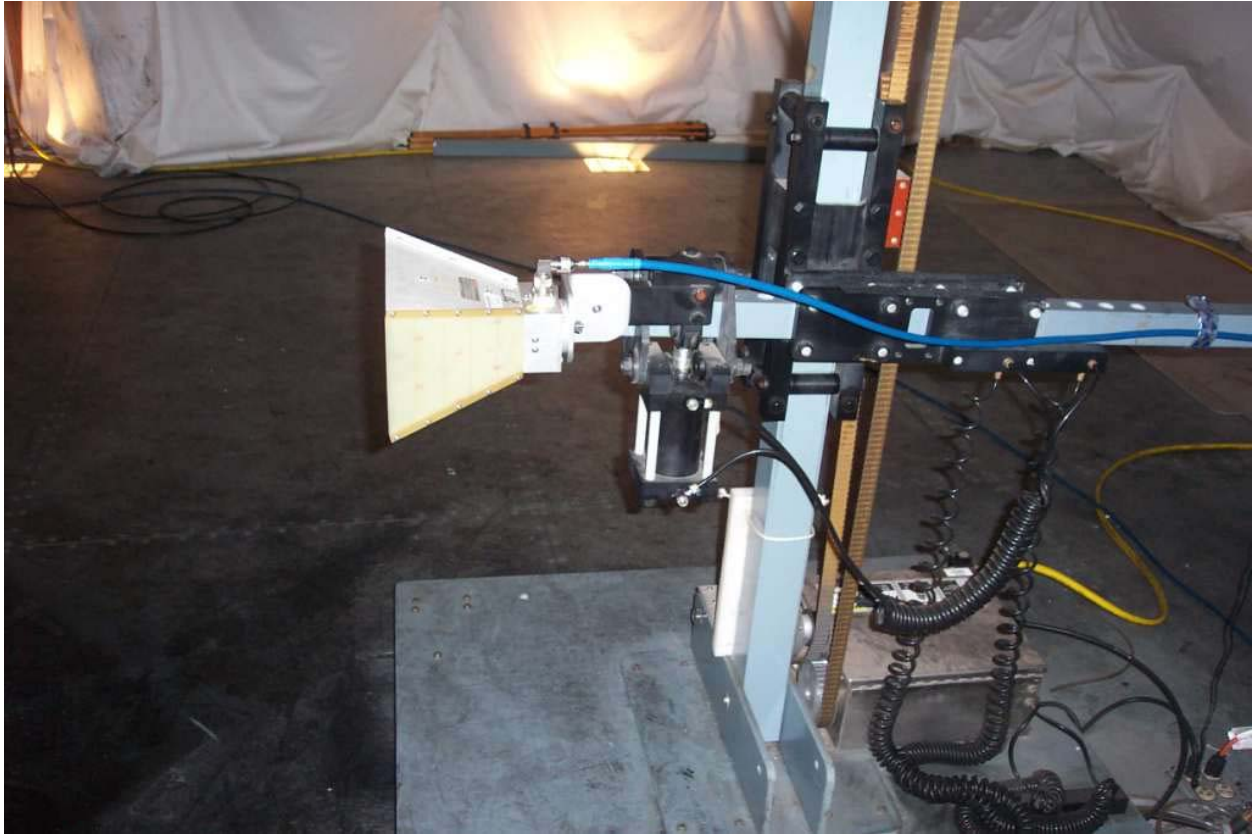


Photo 17: Test setup for TX fundamental radiated emission without high pass filter horn in vertical polarity.

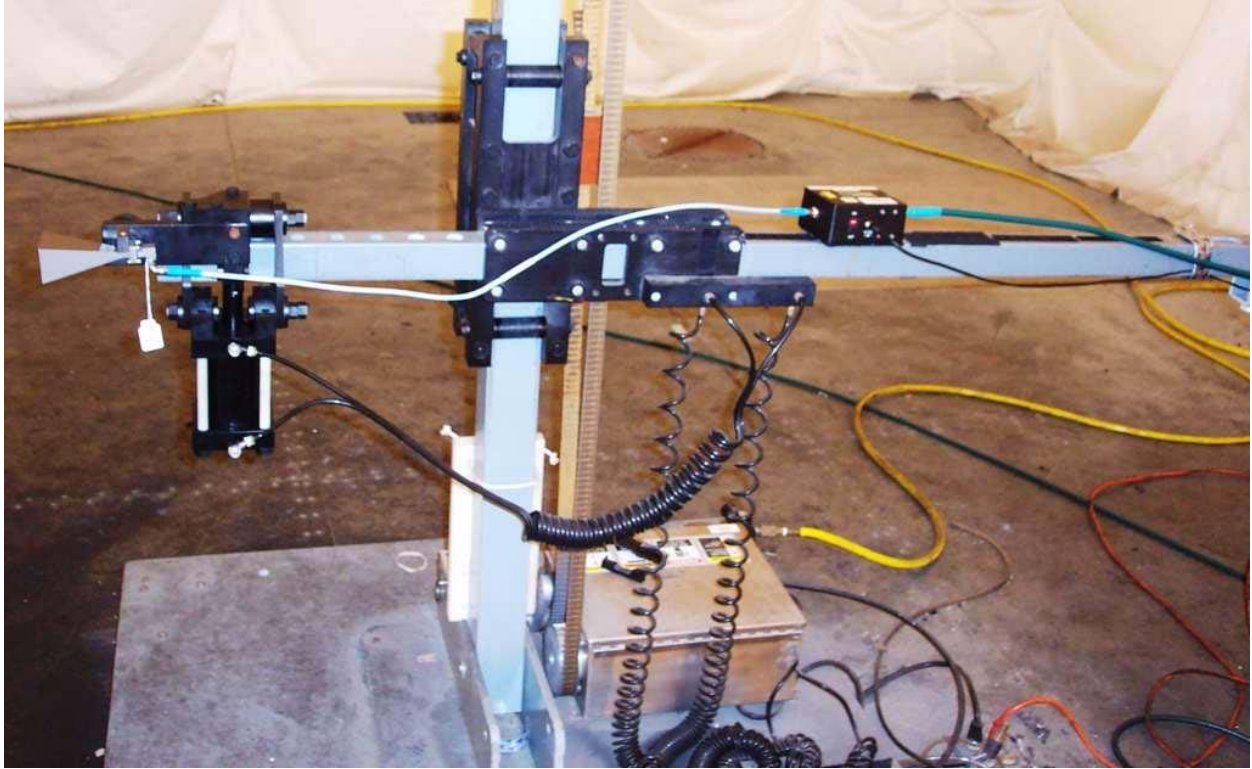


Photo 18: Test setup for radiated spurious emissions above 18GHz (Vertical polarity shown).



Photo 19: Test setup for radiated spurious emissions above 18GHz (horizontal polarity) shown with Range Extender.



Photo 20: Test setup for radiated spurious emissions above 18GHz (vertical polarity) shown with Range Extender.

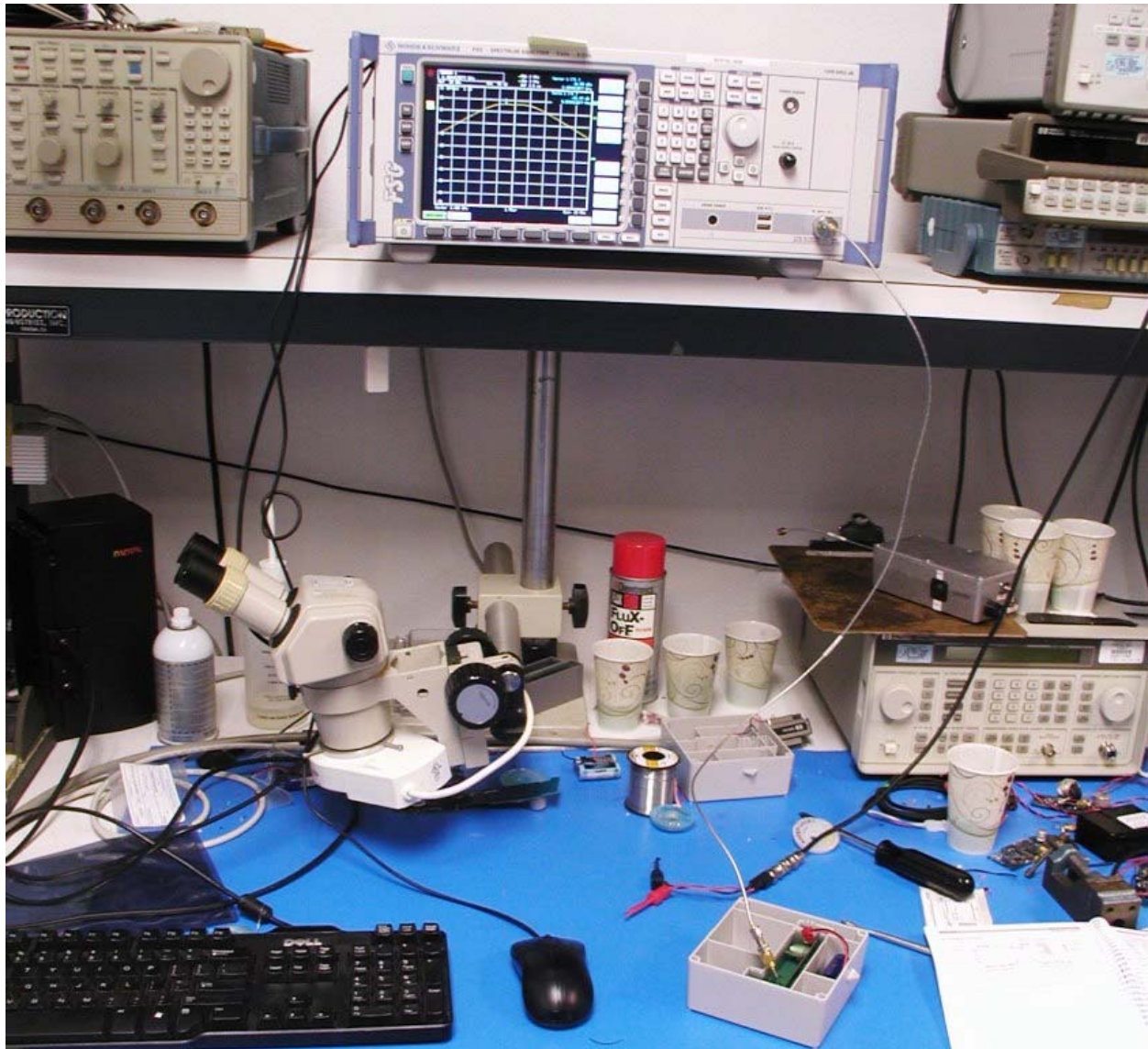


Photo 21: Test Setup for TX conducted power out, 6dB Bandwidth, Bandwidth of Momentary signals (99%BW), TX power spectral density, TX conducted band edge, measurements.