

ANNEX A

Conducted measurement setup

Equipment Used	Serial Number	Cal Date	Due
Spectrum Analyzer	MY45113415	7-Aug-07	8-Aug-08
Huber&Suhner Sucoflex 100 18 inch. Sma to N	220057 002	03-May-07	03-May-08



Radiated measurement pre scan setup 9Khz to 30Mhz

Equipment used for the pre scan 9Khz to 30Mhz

Equipment Used	Serial Number	Cal Date	Due
Anechoic Chamber	N/A	N/A	N/A
Pasternack RG214/U	RG214/U	N/A	N/A
Hewlett Packard 8593E Spectrum Analyzer	3543A02032	02-Oct-07	02-Oct-08
EMCO loop antenna model 6502	EMCO 6502	9509-2970	24-Oct-06

The spectrum analyzer is connected to the active loop antenna by the RG214/U cable



Radiated measurement pre scan above 30Mhz

Equipment used for the pre scan above 30Mhz

Equipment Used	Serial Number	Cal Date	Due
EMCO GTEM 5407	24960	N/A	N/A
Andrew Helix length 10 Ft. dia.1/2 inch	FSJ4-50B	N/A	N/A
Hewlett Packard 8593E Spectrum Analyzer	3543A02032	02-Oct-07	02-Oct-08
EMCO loop antenna model 6502	EMCO 6502	9509-2970	24-Oct-06
Mini-circuits ZHL- 1042J-SMA (black amp)	D021000-23		

The EMCO 5407 GTEM is connected by a 10 foot heliax cable to a 30db pre amplifier which feeds the input to the spectrum analyzer.



Radiated measurement setup

Equipment Used	Serial Number	Cal Date	Due
Spectrum Analyzer	MY45113415	07-Aug-07	07-Aug-09
Huber&Suhner 18 inch. Sma to Sma	220060 002	03-May-07	03-May-08
Huber&Suhner 40 foot cable	220297 001	09-Apr-07	09-Apr-08
EMCO 3115 double ridge wave guide	9508-4550	15-Mar-06	15-Mar-08
ETS lindgren dipole antenna	00078573	02-Sep-06	02-Sep-08
AH systems preamplifier model number PAM 0126	135	12/8/2007	12/8/2008
EMCO 3148 Log periodic	9901-1044	24-Oct-06	24-Oct-08

Set up for measurements above 1Ghz with pre amplifier



Setup for measurement of the Tx fundamental without pre amplifier



Setup for measuring the receiver radiated emissions



EMC analyzer with the Antenna correction Factor, Amplifier Gain, and Coax loss programmed into internal tables.

