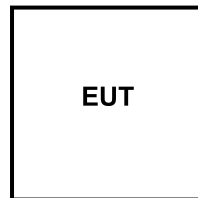


9 EUT Test Setup

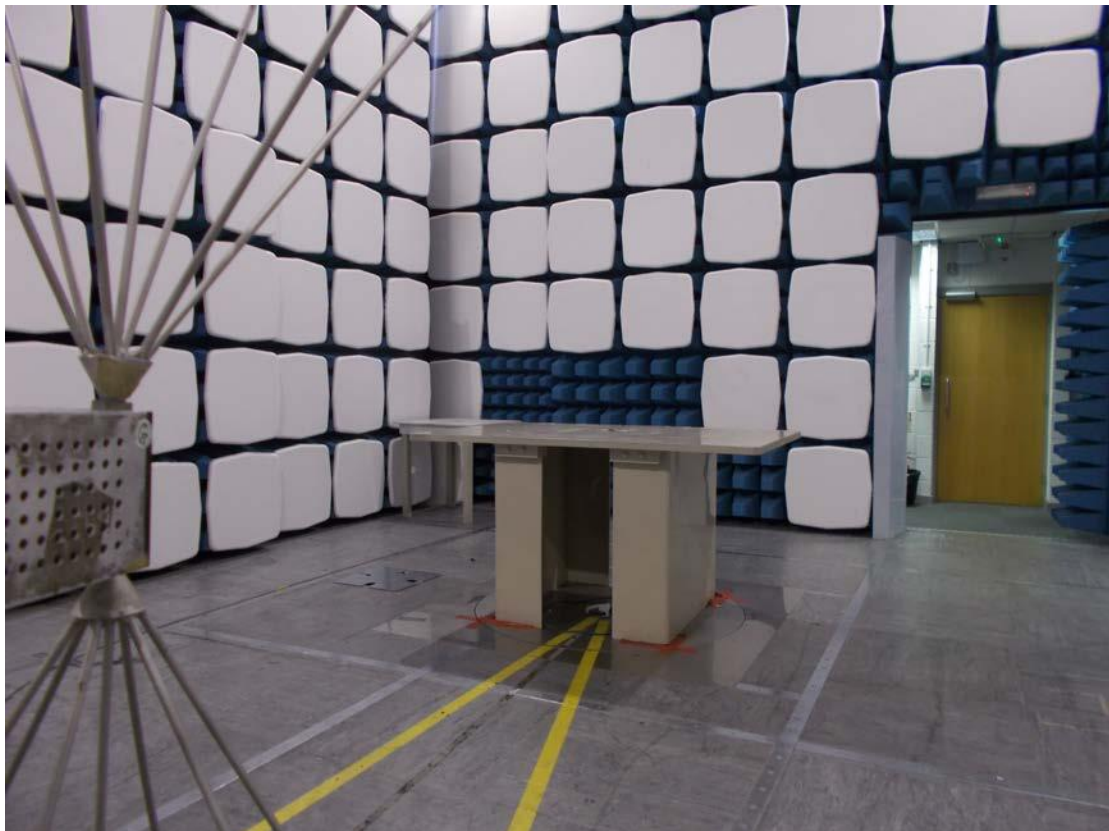
9.1 Block Diagram

The following diagram shows basic EUT interconnections with cable type and cable lengths identified:



9.2 General Set-up Photograph

The following photograph shows basic EUT set-up:



11.5 Test Set-up Photograph



11.6 Test Equipment

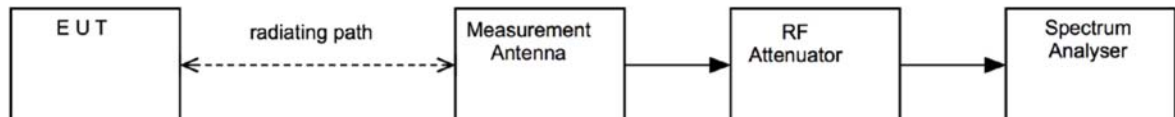
Equipment Type	Manufacturer	Equipment Description	Element No	Due For Calibration
ATS	Rainford	Ferrite Lined Chamber	REF886	21/07/17
FSU46	R&S	Spectrum Analyser	REF910	05/07/17
3109	EMCO	Biconical Antenna	RFG095	17/05/19
3146	EMCO	Log Periodic Antenna	RFG191	17/05/19
310	Sonoma	Pre-Amp (9kHz – 1GHz)	REF927	30/06/18
3115	EMCO	Horn Antenna	RFG129	09/02/18
8449B	Agilent	Pre-Amp (1 – 26.5GHz)	REF913	02/02/18

14.4 Test Method

With the EUT setup as per section 9 of this report and connected as per Figure viii, the emissions from the EUT were measured on a spectrum analyzer / EMI receiver. The EUT was rotated in three orthogonal planes and the measurement antenna height scanned (below 1 GHz, from 1 to 4 m; above 1 GHz as necessary) in order to maximise emissions.

The measurements were performed with EUT set at its maximum duty. All modulation schemes, data rates and power settings were used to observe the worst-case configuration at each frequency. Pre-scan plots are shown with a peak detector and 100 kHz RBW.

Figure viii Test Setup



Test Setup Photograph(s)



14.5 Test Equipment

Equipment Type	Manufacturer	Equipment Description	Element No	Due For Calibration
ATS	Rainford	Ferrite Lined Chamber	REF886	21/07/17
FSU46	R&S	Spectrum Analyser	REF910	05/07/17
3109	EMCO	Biconical Antenna	RFG095	17/05/19
3146	EMCO	Log Periodic Antenna	RFG191	17/05/19
310	Sonoma	Pre-Amp (9kHz – 1GHz)	REF927	30/06/18
3115	EMCO	Horn Antenna	RFG129	09/02/18
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