

EUT Photos

EUT



Power Supply



Appendix B: Physical Test Arrangement Photos:



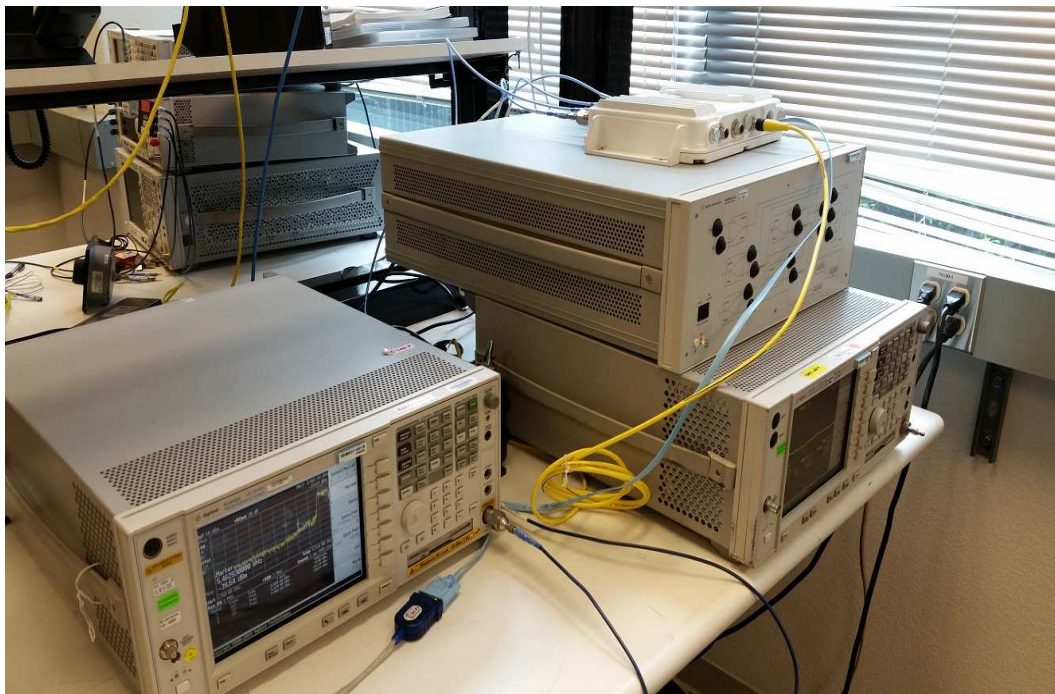
Title: Radiated Spurious Emissions Test Configuration 30M - 1000MHz



Title: Radiated Spurious Emissions Test Configuration 1G - 18GHz



Title: Radiated Spurious Emissions Test Configuration 18 – 40GHz



Title: Conducted Test Setup

Test Equipment and Software Used to Perform Testing

Equip#	Manufacturer/ Model	Description	Last Cal	Next Due
25658	MICRO-COAX/ UFB311A-1-0840-504504	Coaxial Cable, 84.0 in. to 18GHz	13-Feb-15	13-Feb-16
21117	MICRO-COAX/ UFB311A-0-2484-520520	Coaxial Cable-18Ghz	25-Aug-14	25-Aug-15
49563	HUBER + SUHNER/ Sucoflex 106A	Coaxial Cable, 8m	25-Aug-14	25-Aug-15
5691	MITEQ/ NSP1800-25-S1	PREAMPLIFIER	29-Jan-15	29-Jan-16
4882	EMCO/ 3115	HORN ANTENNA	30-Jul-14	24-Jul-15
40597	CISCO/ Above 1GHz Site Cal	1GHz Cisp Site Verification	28-May-14	28-May-15
47300	Keysight (Agilent/HP) / N9038A	EMI Receiver	13-Jan-15	13-Jan-16
47285	HUBER + SUHNER / Sucoflex 102E	40GHz Cable K Connector	06 Jun 2014	06 Jun 2015
4883	EMCO/ 3115	HORN ANTENNA	Cal Not Required	Cal Not Required
34075	SCHAFFNER / RSG 2000	Reference Spectrum Generator, 1-18GHz	Cal Not Required	Cal Not Required
8166	Keysight (Agilent/HP) / 8491B Opt 010	ATTENUATOR	02 Feb 2015	02 Feb 2016
47294	FAIRVIEW MICROWAVE / ST6S-10	SMA Termination 6GHz	12-Aug-14	12-Aug-15
47293	FAIRVIEW MICROWAVE / ST6S-10	SMA Termination 6GHz	12-Aug-14	12-Aug-15
49504	JFW / 50T-039 SMA-F	SMA Female 50 Ohm Termination	27-Mar-15	27-Mar-16
49503	JFW / 50T-039 SMA-F	SMA Female 50 Ohm Termination	27-Mar-15	27-Mar-16
20490	Keysight (Agilent/HP) / 8710-1765	PRESET TORQUE WRENCH 3.5 mm 12 in/lbs	4-Feb-15	4-Feb-16
54230	Newport / iBTHP-5-DB9	5 inch Temp/RH/Press Sensor w/20ft cable	1-Feb-15	1-Feb-16
40503	Keysight (Agilent/HP) / E4440A	Spectrum Analyzer	6-Jun-14	6-Jun-15
54014	HUBER + SUHNER / Sucoflex 102E	40GHz Cable K Connector	27-Mar-15	27-Mar-16
49527	Keysight (Agilent/HP) / N8990K-A38	2x4 Switch Matrix	27-Mar-15	27-Mar-16
54017	HUBER + SUHNER / Sucoflex 102	RF Cable 2.4mm - N Type 18GHz	27-Mar-15	27-Mar-16

54018	HUBER + SUHNER / Sucoflex 102	RF Cable 2.4mm - N Type 18GHz	27-Mar-15	27-Mar-16
54016	HUBER + SUHNER / Sucoflex 102	RF Cable 2.4mm - N Type 18GHz	27-Mar-15	27-Mar-16
54015	HUBER + SUHNER / Sucoflex 102	RF Cable 2.4mm - N Type 18GHz	27-Mar-15	27-Mar-16
33988	Keysight (Agilent/HP) / E4446A	SPECTRUM ANALYZER, 44Ghz	9-Dec-14	9-Dec-15
30654	Sunol Sciences / JB1	Combination Antenna, 30MHz-2GHz	12-Dec-14	12-Dec-15
8448	CISCO/ NSA 5m Chamber	NSA 5m Chamber	7-Oct-14	7-Oct-15
27233	York / CNE V	COMPARISON NOISE EMITTER	Cal Not Required	Cal Not Required
41979	Cisco / 1840	18-40GHz EMI Test Head/Verification Fixture	9-Jul-14	9-Jul-15
38392	Keysight (Agilent/HP) / E8257D	PSG ANALOG SIGNAL GENERATOR	19-Aug-14	19-Aug-15
49516	Keysight (Agilent/HP) / N9030A	PXA Signal Analyzer	12-Nov-14	12-Nov-15
54237	Pasternack / PE5011-1	PRESET TORQUE WRENCH, 8 IN/LBS	04 Feb 2015	04 Feb 2016
37236	JFW / 50CB-015	Control Box, GPIB	Cal Not Required	Cal Not Required

Software Used to Perform Testing:

EMIsoft Vasona, version 6.024

Test Procedures

Measurements were made in accordance with

- KDB Publication No. [789033 D01 General UNII Test Procedures Old Rules v01r04](#)
- Measurement method of spurious emission tolerance to the International Telecommunication Union (ITU) Recommendation SM329.
- ANSI C63.4
- ANSI C63.10/D8