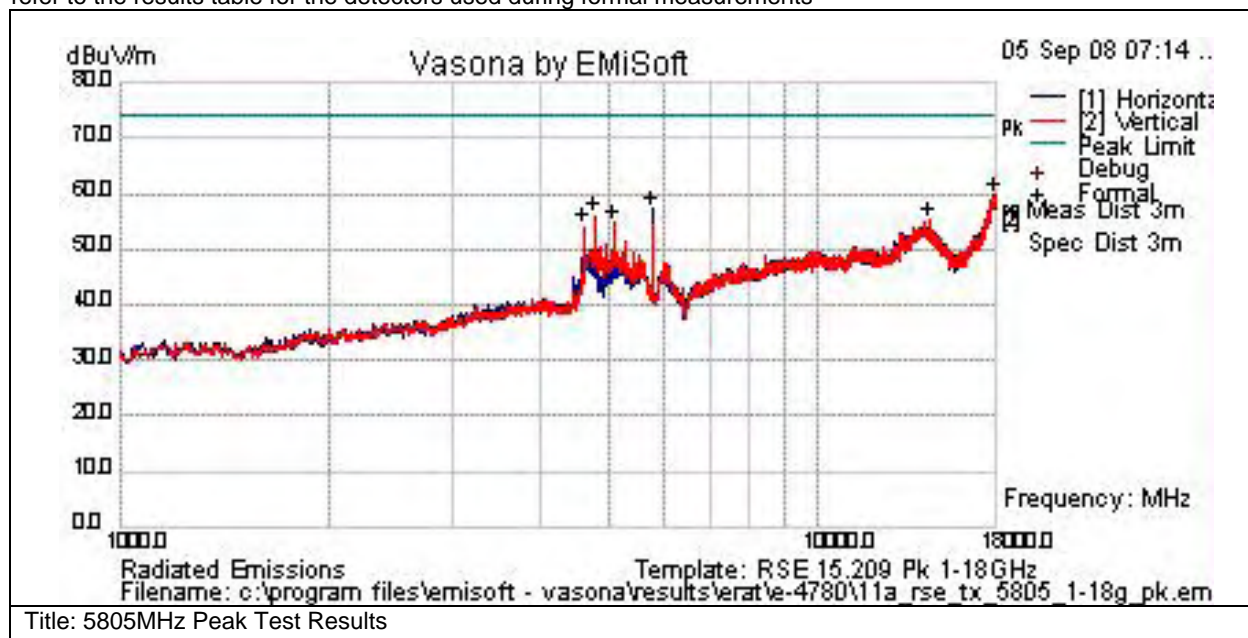




Subtest Number: 33481 - 3		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

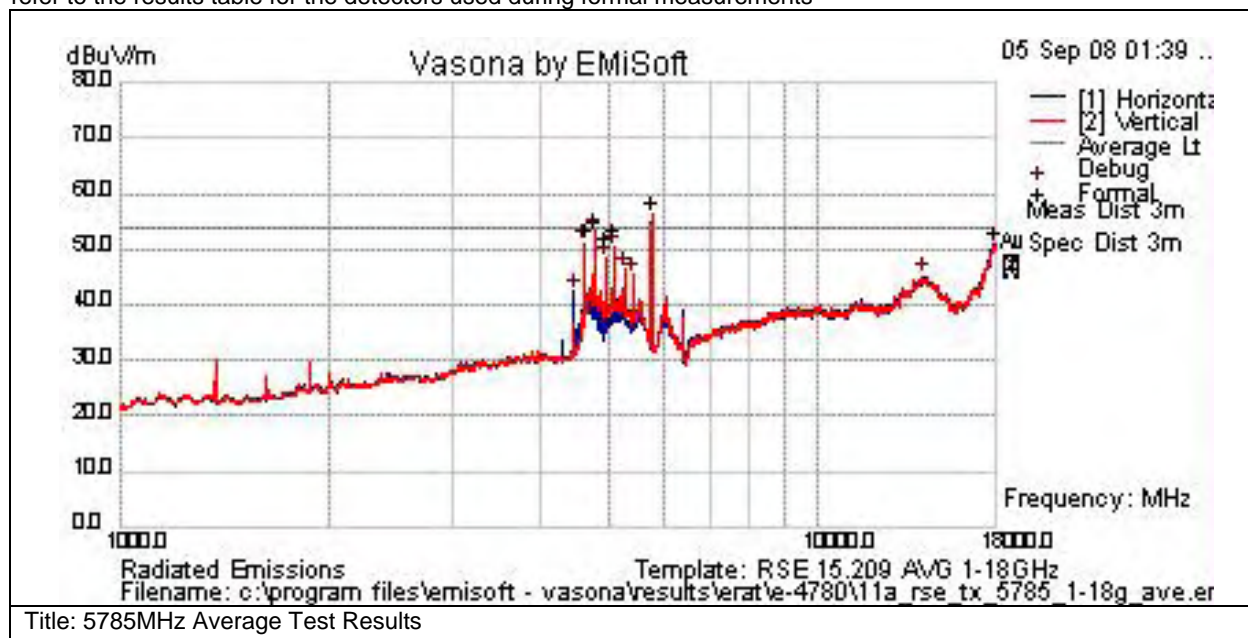
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17920.462	32	16.4	11.4	59.7	Peak(Scan)	V	100	0	74	-14.3	Pass	Noise Floor
5809.42	51.2	10.3	-4.1	57.4	Peak(Scan)	H	100	0	74	-16.6	Pass	Tx Signal - EUT
4801.934	53	6.8	-3.9	55.9	Peak(Scan)	V	125	0	74	-18.1	Pass	
14441.984	35.6	12.6	6.9	55.1	Peak(Scan)	V	125	0	74	-18.9	Pass	Noise Floor
5120.087	51.5	7.2	-3.8	54.9	Peak(Scan)	V	125	0	74	-19.1	Pass	
4637.555	51.5	6.7	-4.2	54	Peak(Scan)	V	125	0	74	-20	Pass	



Subtest Number: 33481 - 4		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

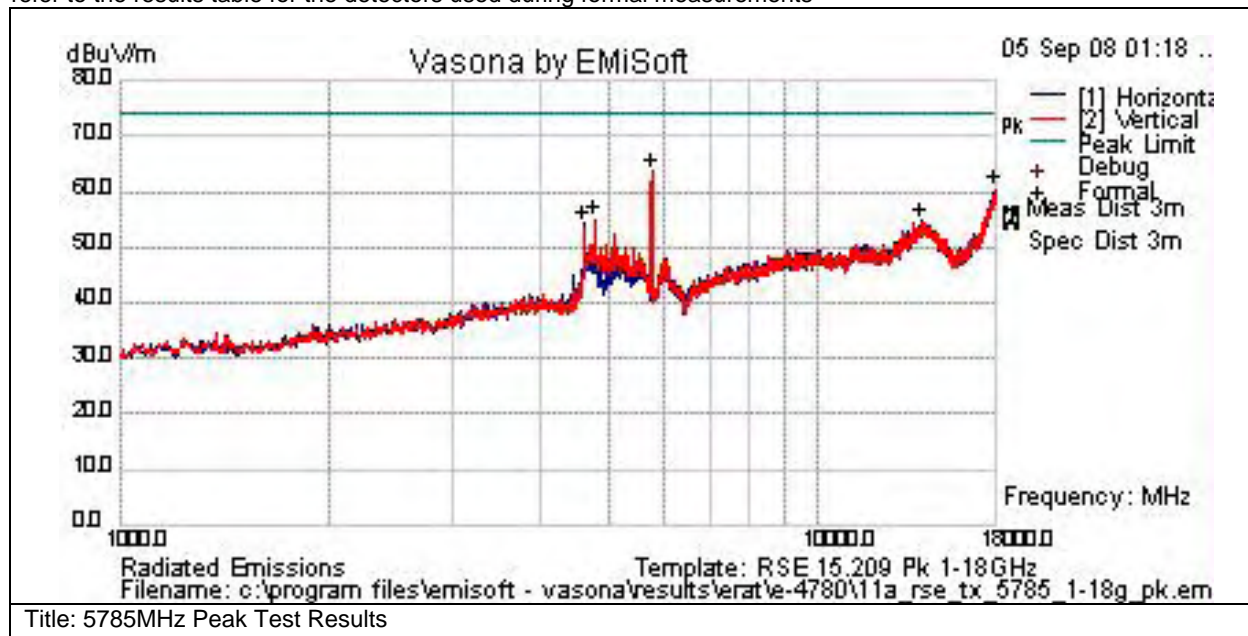
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5788.21	50	10.3	-4.1	56.2	Av	V	100	0	54	2.2	Fail	Tx Signal - EUT
4799.944	49.8	6.8	-3.9	52.7	Av	V	112	168	54	-1.3	Pass	
4639.977	48.8	6.7	-4.1	51.3	Av	V	102	159	54	-2.7	Pass	
5120.034	48	7.2	-3.8	51.3	Av	V	103	159	54	-2.7	Pass	
17915.159	23.3	16.3	11.4	51	Av	H	100	0	54	-3	Pass	Noise Floor
4960.084	46.8	7	-4.2	49.7	Av	V	109	160	54	-4.3	Pass	



Subtest Number: 33481 - 5		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

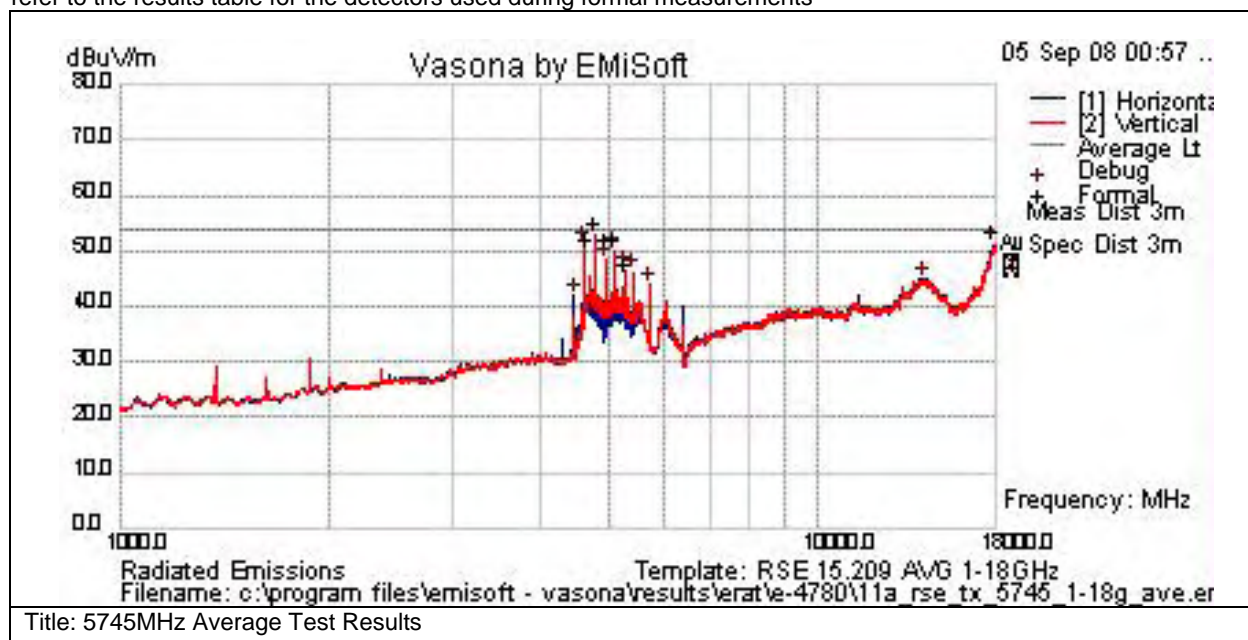
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5788.21	57.5	10.3	-4.1	63.8	Peak(Scan)	V	100	0	74	-10.2	Pass	Tx Signal - EUT
17973.487	32.6	16.2	11.5	60.4	Peak(Scan)	V	100	0	74	-13.6	Pass	Noise Floor
4801.934	52.1	6.8	-3.9	55	Peak(Scan)	V	125	0	74	-19	Pass	
14102.62	35.1	12.5	7.1	54.7	Peak(Scan)	H	100	0	74	-19.3	Pass	Noise Floor
4637.555	51.7	6.7	-4.2	54.3	Peak(Scan)	H	100	0	74	-19.7	Pass	



Subtest Number: 33481 - 6		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

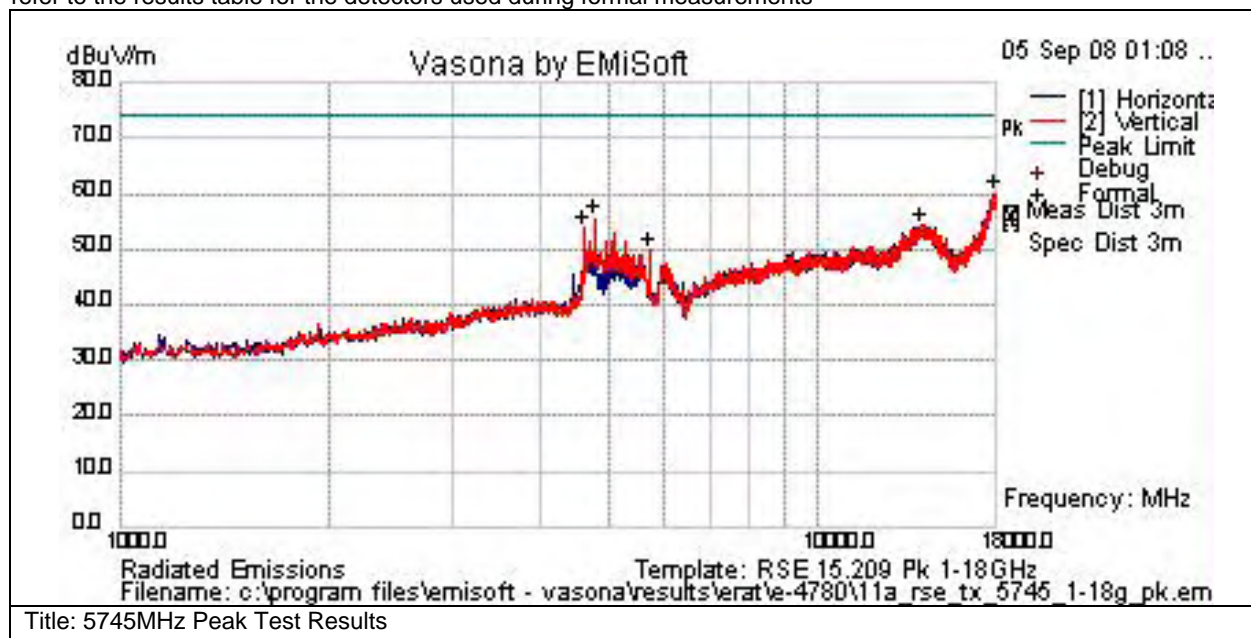
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
4799.958	49.8	6.8	-3.9	52.8	Av	V	112	159	54	-1.2	Pass	
17846.226	23.5	16.2	11.3	51	Peak(Scan)	H	100	0	54	-3	Pass	Noise Floor
5119.924	46.5	7.2	-3.8	49.8	Av	V	113	153	54	-4.2	Pass	
4640.145	47.1	6.7	-4.1	49.7	Av	H	100	0	54	-4.3	Pass	
4960.092	46.7	7	-4.2	49.5	Av	V	109	164	54	-4.5	Pass	
5279.97	41.6	7.3	-3.8	45.2	Av	V	136	151	54	-8.8	Pass	



Subtest Number: 33481 - 7		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

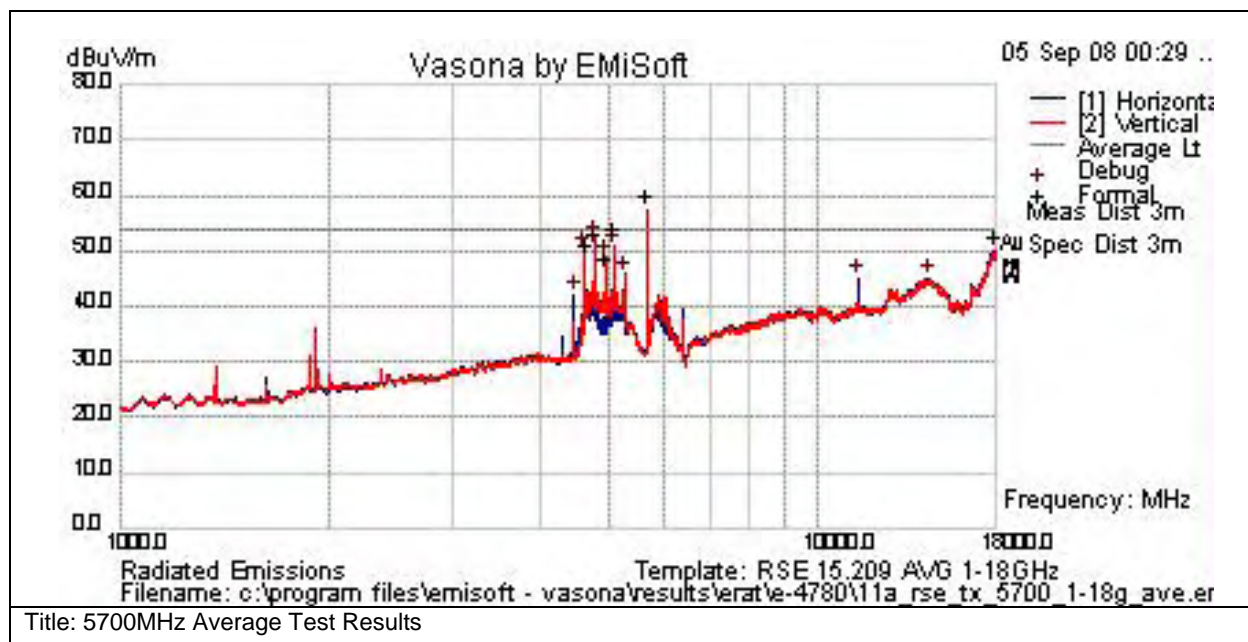
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17872.739	32.4	16.2	11.3	59.9	Peak(Scan)	V	125	0	74	-14.1	Pass	Noise Floor
4801.934	52.5	6.8	-3.9	55.5	Peak(Scan)	V	125	0	74	-18.5	Pass	
14028.384	34.6	12.6	7.1	54.3	Peak(Scan)	H	100	0	74	-19.7	Pass	Noise Floor
4638.184	51.3	6.7	-4.2	53.9	Peak(Scan)	V	100	0	74	-20.1	Pass	
5750.707	43.5	10.4	-4.2	49.7	Peak(Scan)	V	100	0	74	-24.3	Pass	Tx Signal - EUT



Subtest Number: 33481 - 8		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

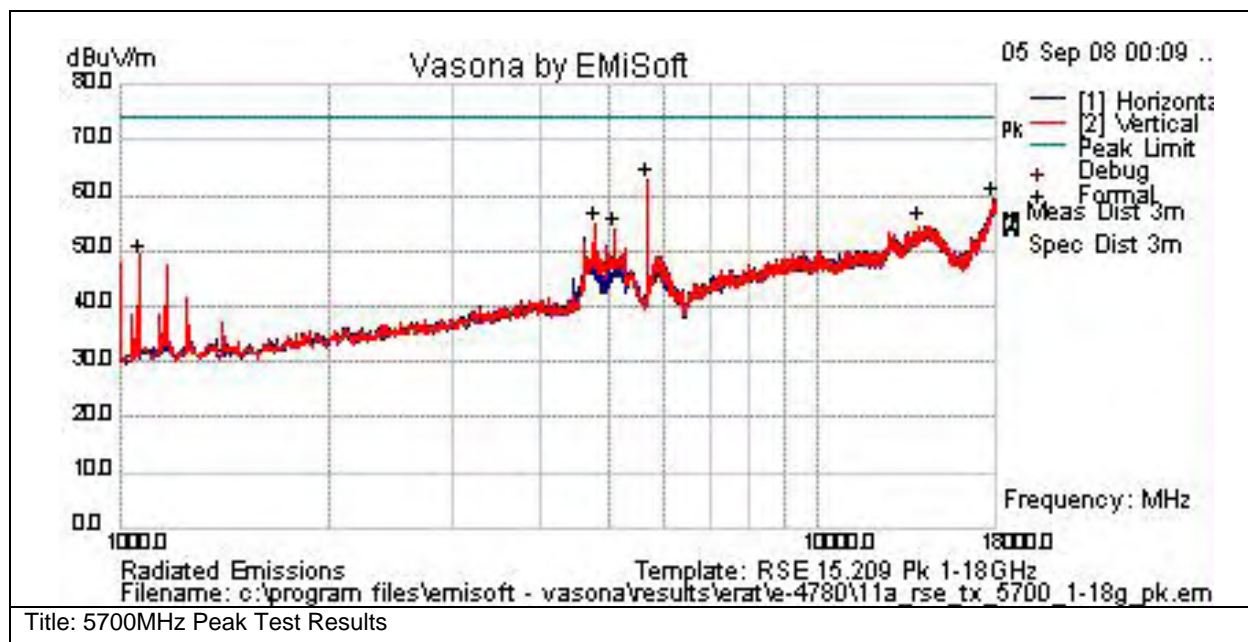
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5708.671	51.3	10.3	-4.1	57.4	Av	V	125	0	54	3.4	Fail	Tx Signal - EUT
5119.965	48.6	7.2	-3.8	52	Av	V	140	143	54	-2	Pass	
4800.081	48	6.8	-3.9	51	Av	V	142	144	54	-3	Pass	
17904.554	22.9	15.7	11.5	50.1	Av	H	125	0	54	-3.9	Pass	Noise Floor
4639.958	46.1	6.7	-4.1	48.7	Av	H	100	355	54	-5.3	Pass	
4960.016	43.6	7	-4.2	46.5	Av	V	149	66	54	-7.5	Pass	



Subtest Number: 33481 - 9		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

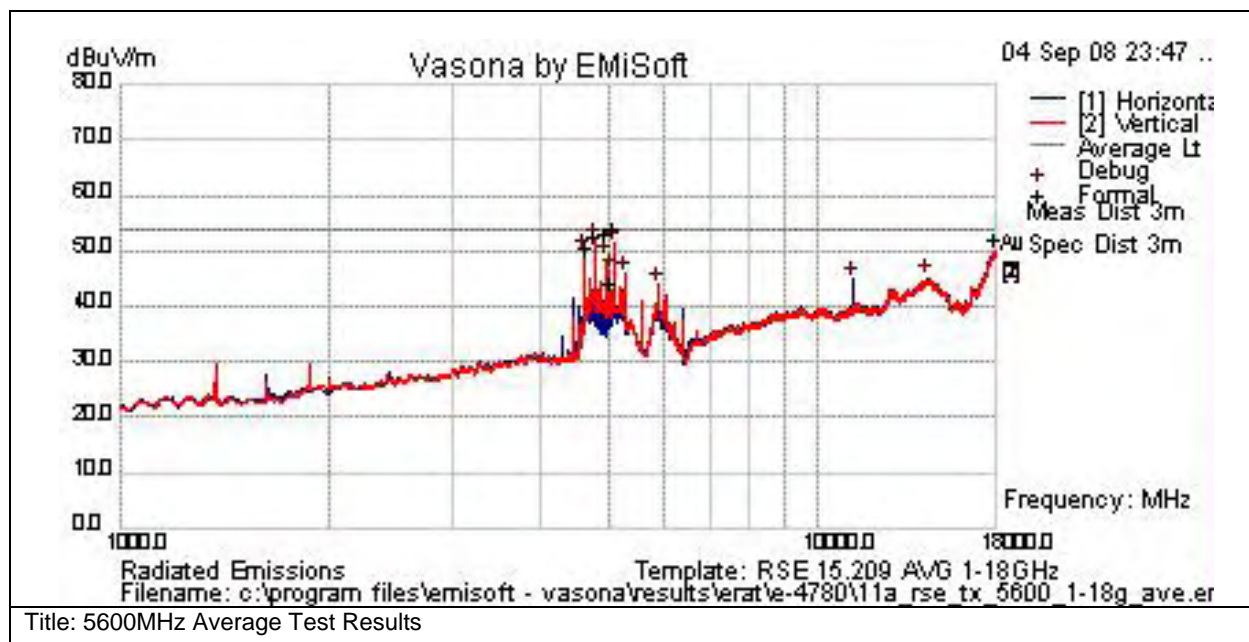
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5703.369	56.6	10.2	-4.1	62.8	Peak(Scan)	V	125	0	74	-11.2	Pass	Tx Signal - EUT
17777.293	32.4	15.7	11	59.1	Peak(Scan)	H	100	0	74	-14.9	Pass	Noise Floor
4801.934	51.7	6.8	-3.9	54.6	Peak(Scan)	V	125	0	74	-19.4	Pass	
13938.241	35.3	12.3	6.9	54.5	Peak(Scan)	V	125	0	74	-19.5	Pass	Noise Floor
5120.076	50.4	7.2	-3.8	53.8	Peak(Scan)	V	100	0	74	-20.2	Pass	
1069.149	54.1	3.1	-8.6	48.6	Peak(Scan)	V	100	0	74	-25.4	Pass	



Subtest Number: 33481 - 10		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

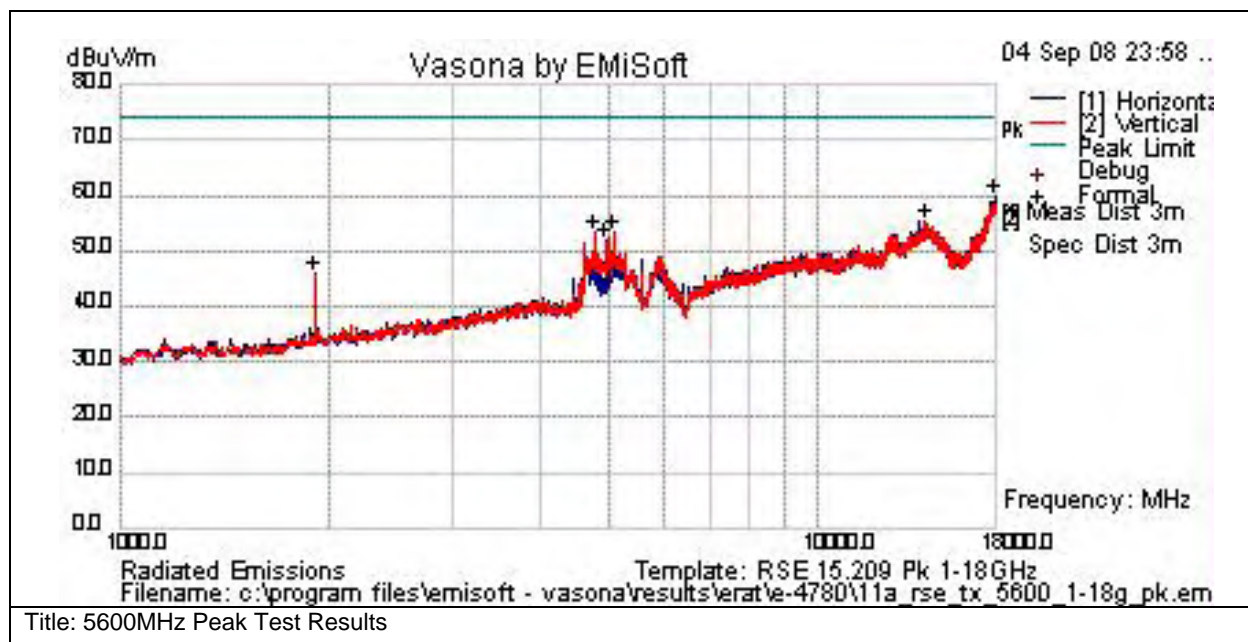
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5119.948	48.1	7.2	-3.8	51.5	Av	V	139	143	54	-2.5	Pass	
4960.06	47.7	7	-4.2	50.6	Av	V	143	147	54	-3.4	Pass	
4799.993	47.1	6.8	-3.9	50	Av	V	141	142	54	-4	Pass	
17915.159	22.8	15.7	11.4	49.9	Av	H	100	0	54	-4.1	Pass	Noise Floor
4640.002	45.9	6.7	-4.1	48.5	Av	H	100	358	54	-5.5	Pass	
5040.367	38.6	7.1	-4.1	41.6	Av	V	119	162	54	-12.4	Pass	



Subtest Number: 33481 - 11		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

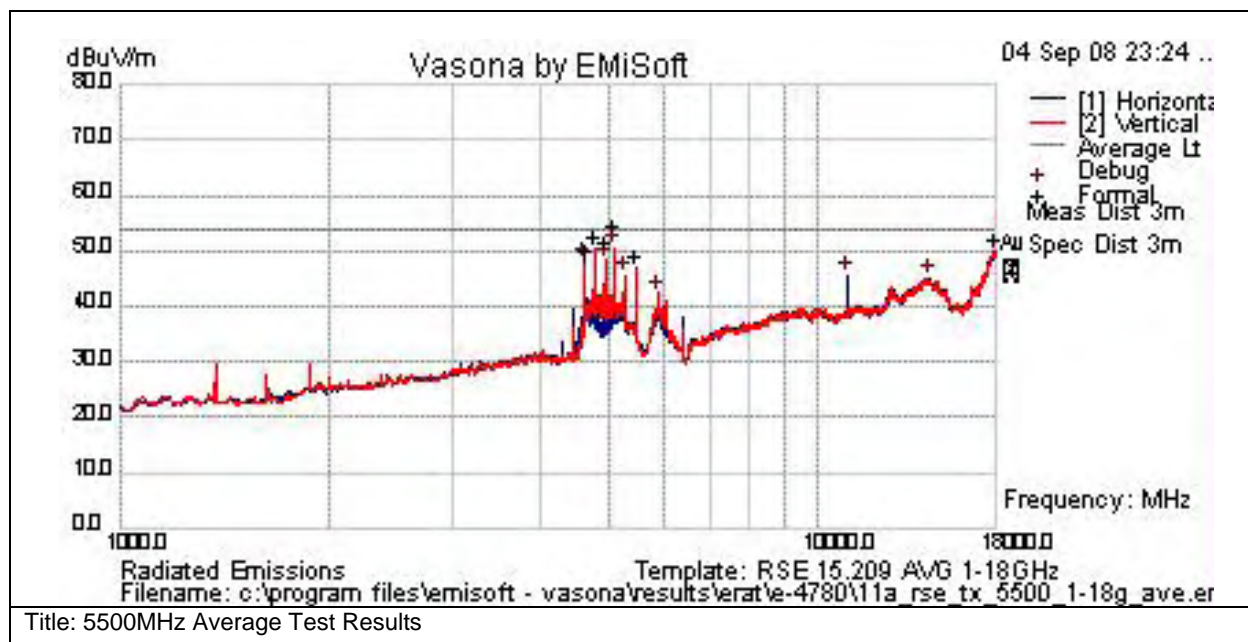
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17920.462	32.6	15.7	11.4	59.7	Peak(Scan)	H	125	0	74	-14.3	Pass	Noise Floor
14266.999	35.6	12.7	7	55.3	Peak(Scan)	V	125	0	74	-18.7	Pass	Noise Floor
5120.264	49.9	7.2	-3.8	53.3	Peak(Scan)	V	100	0	74	-20.7	Pass	
4801.347	50.1	6.8	-3.9	53	Peak(Scan)	V	100	0	74	-21	Pass	
4961.07	49.1	7	-4.2	51.9	Peak(Scan)	V	100	0	74	-22.1	Pass	
1906.68	47.7	4.1	-6	45.8	Peak(Scan)	V	100	0	74	-28.2	Pass	



Subtest Number: 33481 - 12		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

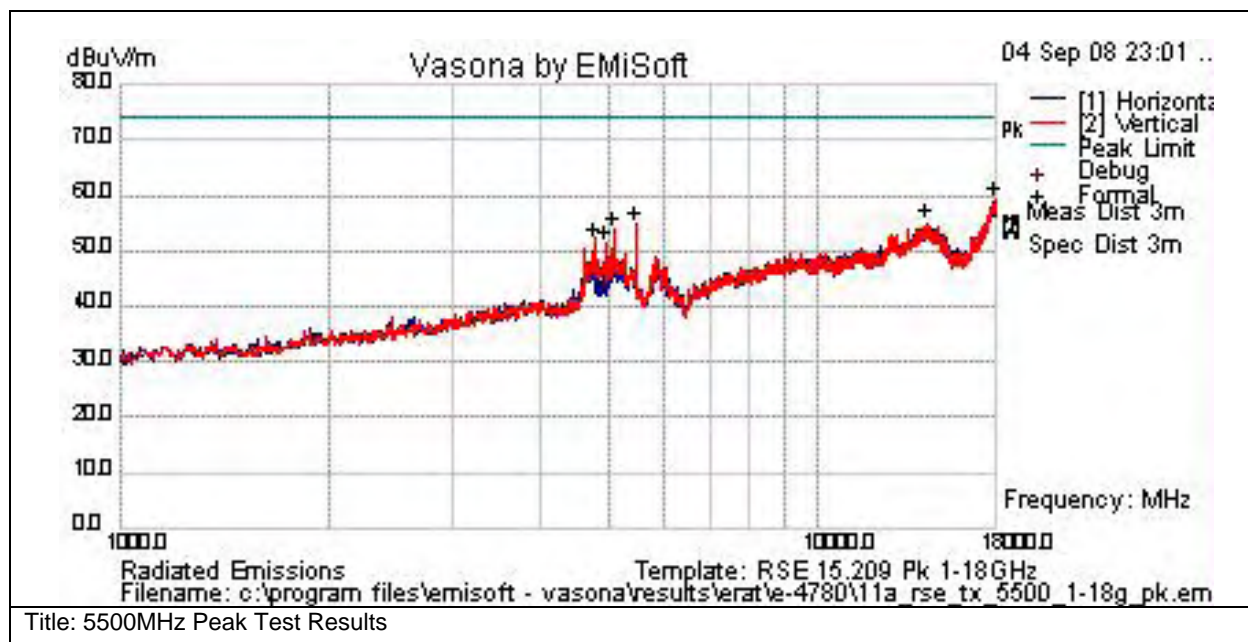
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5120.023	48.7	7.2	-3.8	52.1	Av	V	141	142	54	-1.9	Pass	
4800.05	47.5	6.8	-3.9	50.4	Av	V	128	174	54	-3.6	Pass	
17909.857	22.7	15.7	11.4	49.9	Av	H	100	0	54	-4.1	Pass	Noise Floor
4960.06	46.3	7	-4.2	49.2	Av	V	122	171	54	-4.8	Pass	
4640.065	45.1	6.7	-4.1	47.7	Av	H	100	358	54	-6.3	Pass	
5501.871	40.4	10	-3.6	46.8	Av	V	100	0	54	-7.2	Pass	Tx Signal - EUT



Subtest Number: 33481 - 13		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

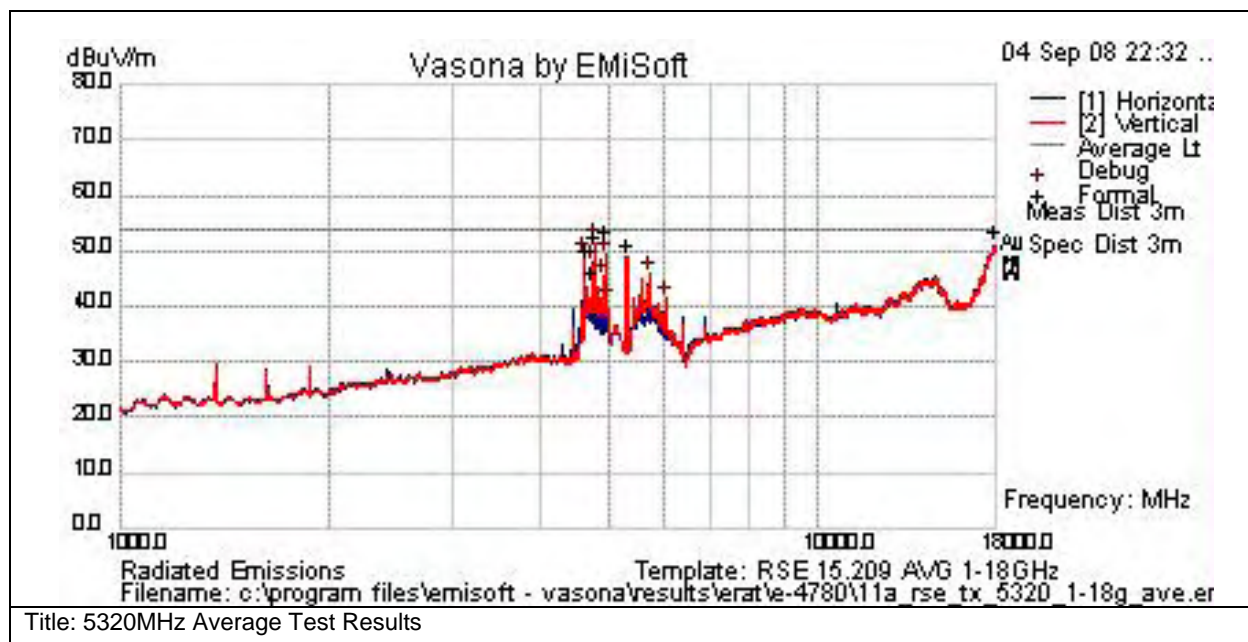
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17994.697	31.6	15.7	11.7	59.1	Peak(Scan)	V	100	0	74	-14.9	Pass	Noise Floor
14330.63	35.3	12.7	7	55	Peak(Scan)	V	125	0	74	-19	Pass	Noise Floor
5501.871	48.4	10	-3.6	54.8	Peak(Scan)	V	125	0	74	-19.2	Pass	Tx Signal - EUT
5120.107	50.5	7.2	-3.8	53.9	Peak(Scan)	V	100	0	74	-20.1	Pass	
4802.537	48.8	6.8	-3.9	51.8	Peak(Scan)	V	100	0	74	-22.3	Pass	
4961.229	48.3	7	-4.2	51.2	Peak(Scan)	V	100	0	74	-22.8	Pass	



Subtest Number: 33481 - 14		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

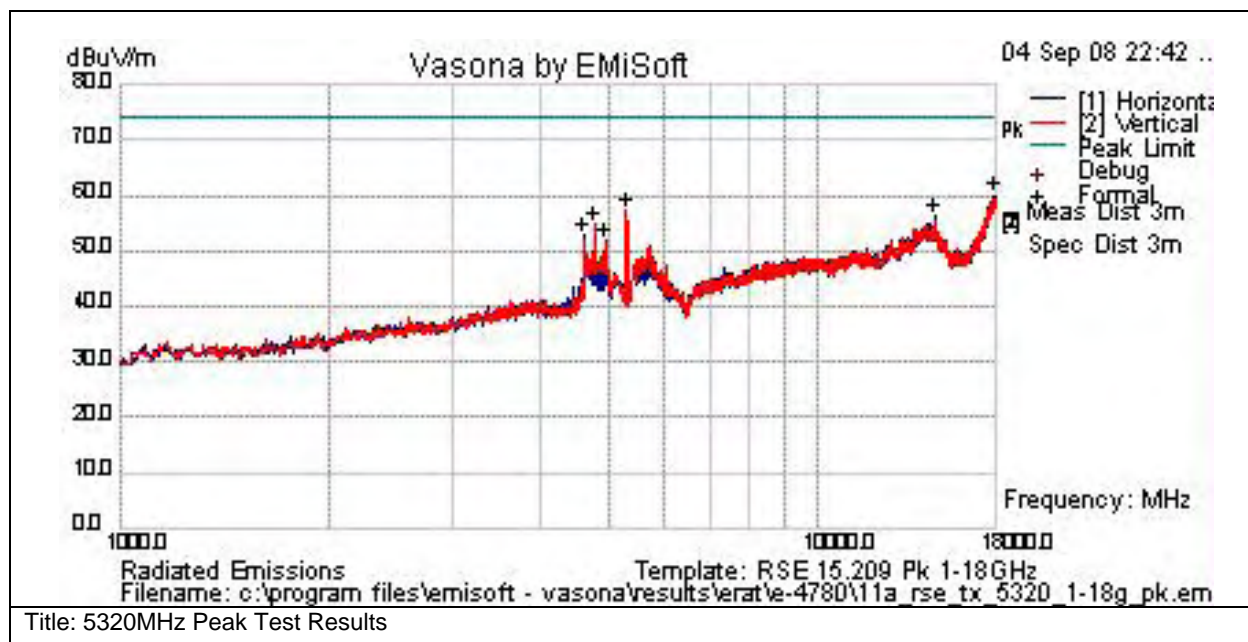
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
4960.05	47.7	7.8	-4.2	51.2	Av	V	109	160	54	-2.8	Pass	
17872.739	23.4	16.4	11.3	51	Av	H	125	0	54	-3	Pass	Noise Floor
4799.968	47.4	7	-3.9	50.5	Av	V	114	157	54	-3.5	Pass	
5326.887	42.6	9.9	-3.7	48.8	Av	V	100	0	54	-5.2	Pass	Tx Signal - EUT
4640.005	45.1	6.8	-4.1	47.7	Av	H	100	358	54	-6.3	Pass	
4760.218	40.8	6.9	-3.9	43.8	Av	V	152	135	54	-10.2	Pass	



Subtest Number: 33481 - 15		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

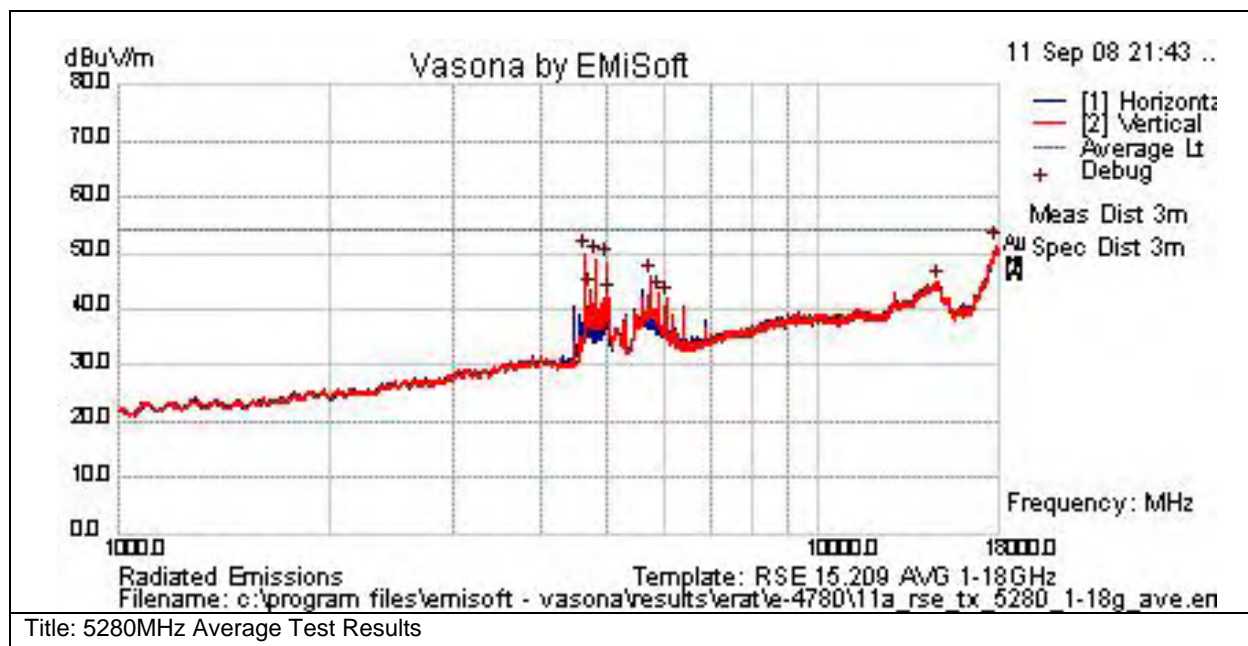
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17888.646	32	16.4	11.6	60	Peak(Scan)	H	125	0	74	-14	Pass	
5316.282	51.1	9.9	-3.7	57.3	Peak(Scan)	V	100	0	74	-16.7	Pass	
14675.296	35.8	14.3	6.1	56.2	Peak(Scan)	H	125	0	74	-17.8	Pass	
4801.934	51.8	7	-3.9	54.8	Peak(Scan)	V	100	0	74	-19.2	Pass	
4637.729	50	6.8	-4.2	52.7	Peak(Scan)	H	100	0	74	-21.3	Pass	
4961.031	48.1	7.8	-4.2	51.6	Peak(Scan)	V	100	0	74	-22.4	Pass	



Subtest Number: 33481 - 16		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

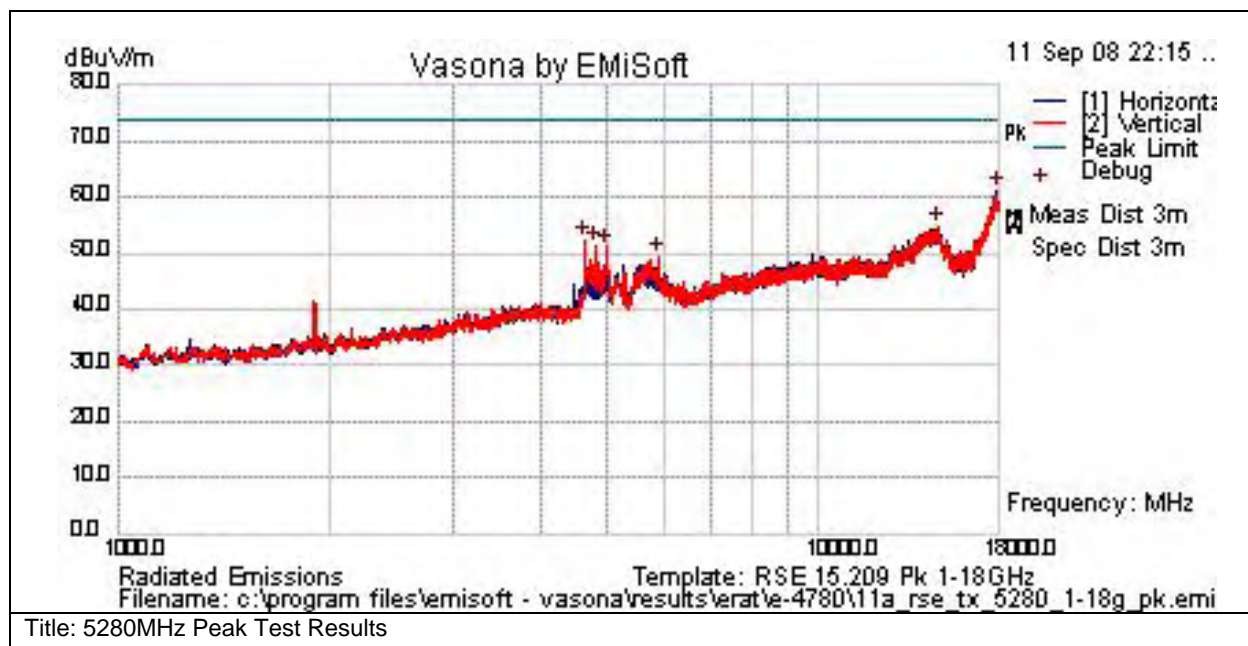
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17909.857	23.3	16.5	11.7	51.5	Av	H	125	0	54	-2.5	Pass	Noise Floor
4960.073	47.2	7.8	-4.1	50.8	Av	V	156	164	54	-3.2	Pass	
4800.011	47.5	7	-3.9	50.5	Av	V	161	155	54	-3.5	Pass	
4640.153	45.4	6.8	-4.2	47.9	Av	V	111	150	54	-6.1	Pass	
5759.986	41.7	7.8	-4.1	45.4	Av	V	113	146	54	-8.6	Pass	
14746.881	25.3	14.2	5.4	44.9	Av	V	125	0	54	-9.1	Pass	Noise Floor



Subtest Number: 33481 - 17		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

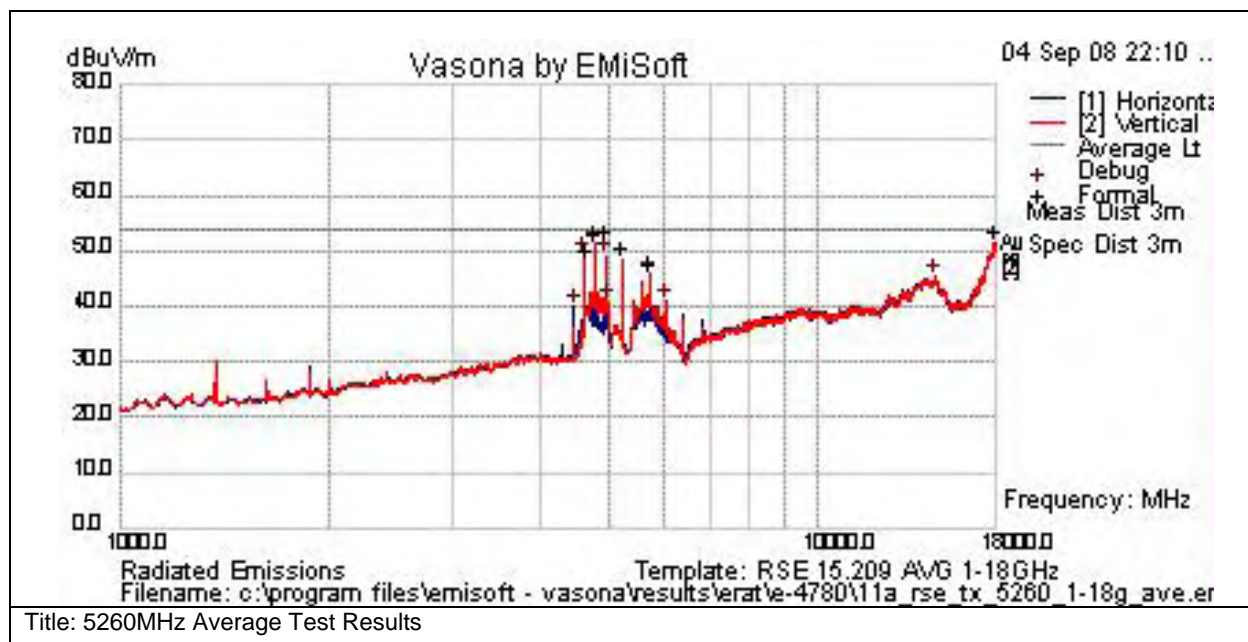
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azi Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17925.764	32.9	16.5	11.8	61.2	Peak(Scan)	H	100	0	74	-12.8	Pass	Noise Floor
14773.394	35.4	14.2	5.2	54.9	Peak(Scan)	V	100	0	74	-19.1	Pass	Noise Floor
4640.206	49.9	6.8	-4.2	52.4	Peak(Scan)	V	125	0	74	-21.6	Pass	
4799.283	48.5	7	-4	51.5	Peak(Scan)	V	100	0	74	-22.5	Pass	
4961.011	47.4	7.8	-4.1	51	Peak(Scan)	V	100	0	74	-23	Pass	
5920.774	45.6	7.8	-4	49.4	Peak(Scan)	V	100	0	74	-24.6	Pass	



Subtest Number: 33481 - 18		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

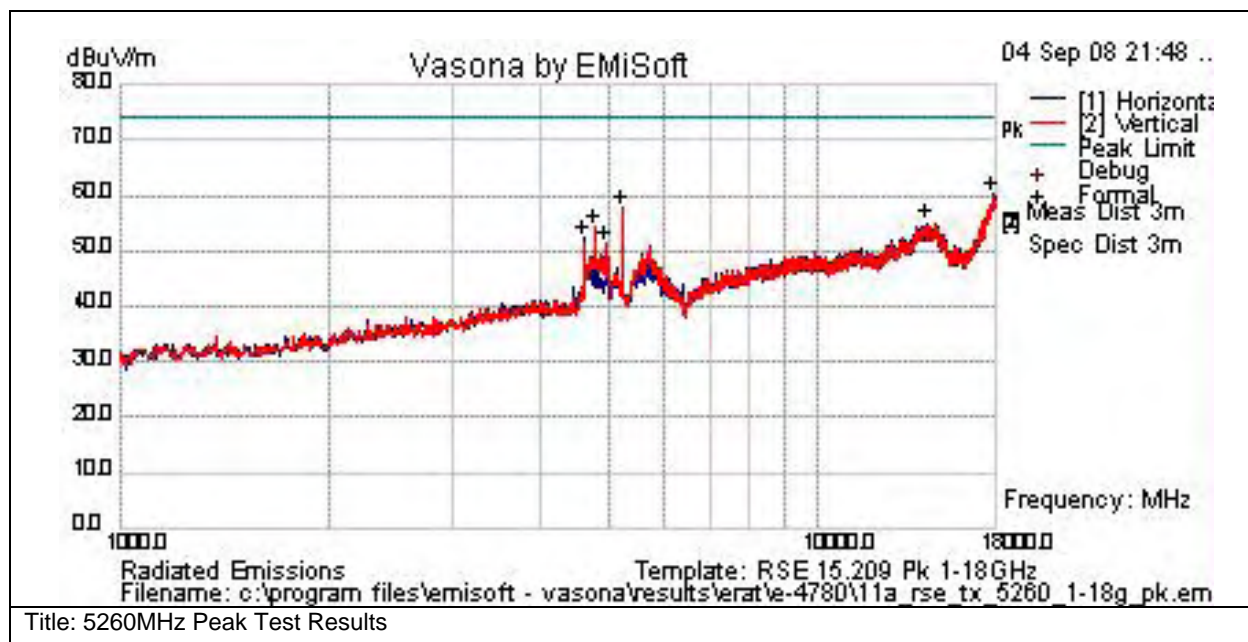
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17899.251	23.4	16.5	11.6	51.5	Av	V	125	0	54	-2.5	Pass	Noise Floor
4960.125	47.5	7.8	-4.2	51	Av	V	107	160	54	-3	Pass	
4800.024	47.8	7	-3.9	50.9	Av	V	112	158	54	-3.1	Pass	
5252.651	42.2	9.9	-3.7	48.4	Av	V	125	0	54	-5.6	Pass	Tx Signal - EUT
4639.904	45.2	6.8	-4.2	47.9	Av	H	100	360	54	-6.1	Pass	
5760.139	41.8	7.8	-4.1	45.5	Av	V	136	160	54	-8.5	Pass	



Subtest Number: 33481 - 19		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

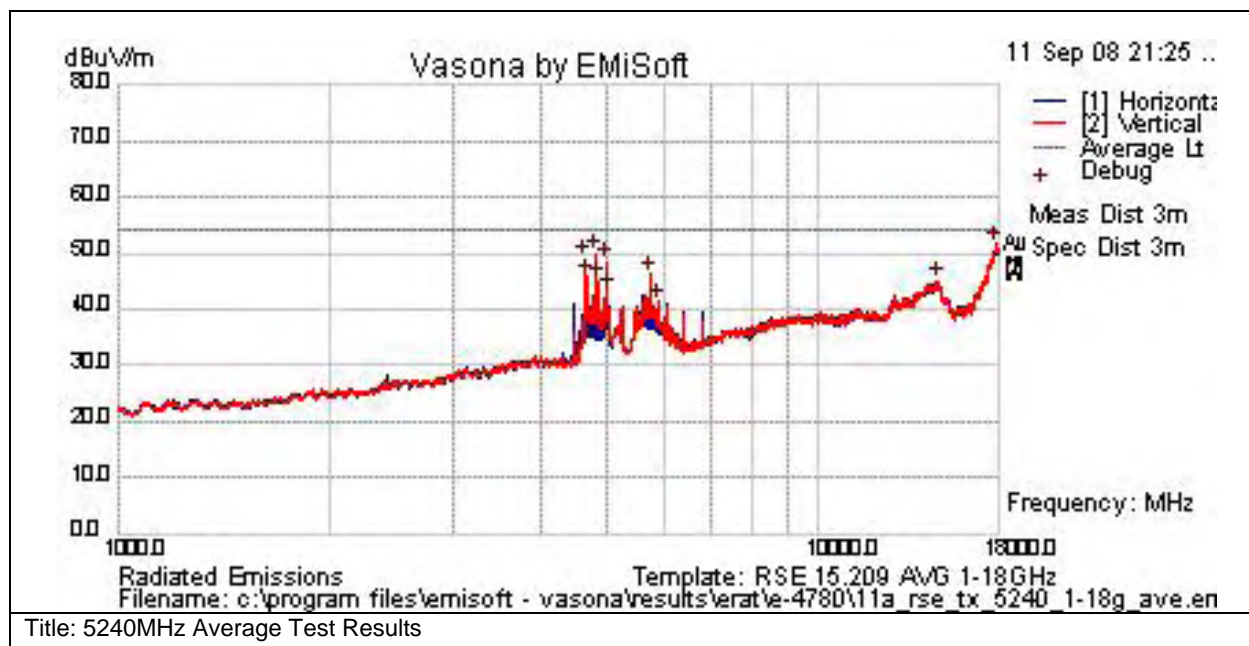
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17819.713	32.4	16.4	11.3	60.2	Peak(Scan)	H	100	0	74	-13.8	Pass	Noise Floor
5252.651	51.6	9.9	-3.7	57.8	Peak(Scan)	V	125	0	74	-16.2	Pass	Tx Signal - EUT
14282.907	35.2	12.8	7.1	55	Peak(Scan)	H	125	0	74	-19	Pass	Nopise Floor
4801.934	51.2	7	-3.9	54.2	Peak(Scan)	V	100	0	74	-19.8	Pass	
4637.478	49.7	6.8	-4.2	52.3	Peak(Scan)	H	100	-1	74	-21.7	Pass	
4961.015	47.9	7.8	-4.2	51.4	Peak(Scan)	V	100	-1	74	-22.6	Pass	



Subtest Number: 33481 - 20		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

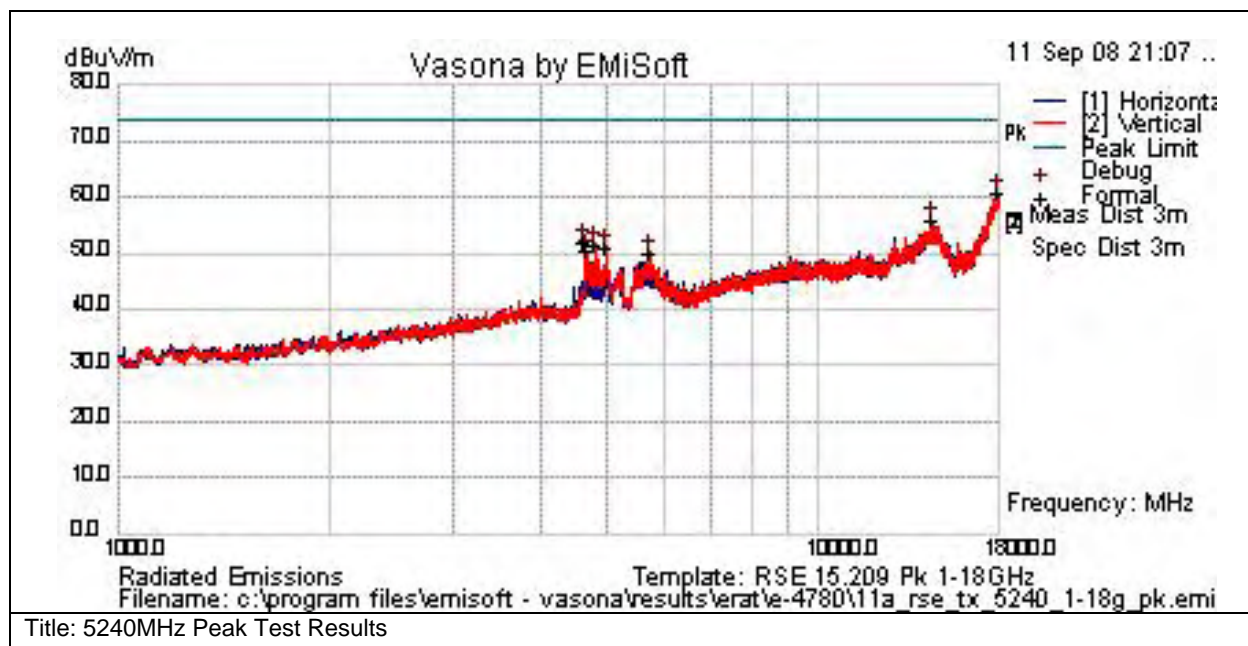
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17904.554	23.4	16.5	11.7	51.6	Av	V	125	0	54	-2.4	Pass	Noise Floor
4960.091	47.1	7.8	-4.1	50.8	Av	V	155	158	54	-3.2	Pass	
4799.813	45.1	7	-4	48.1	Av	V	121	160	54	-5.9	Pass	
4640.121	45.4	6.8	-4.2	48	Av	V	112	153	54	-6	Pass	
5760.024	41	7.8	-4.1	44.7	Av	V	114	155	54	-9.3	Pass	
4679.663	36.8	6.8	-4.2	39.4	Av	V	165	170	54	-14.6	Pass	



Subtest Number: 33481 - 21		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

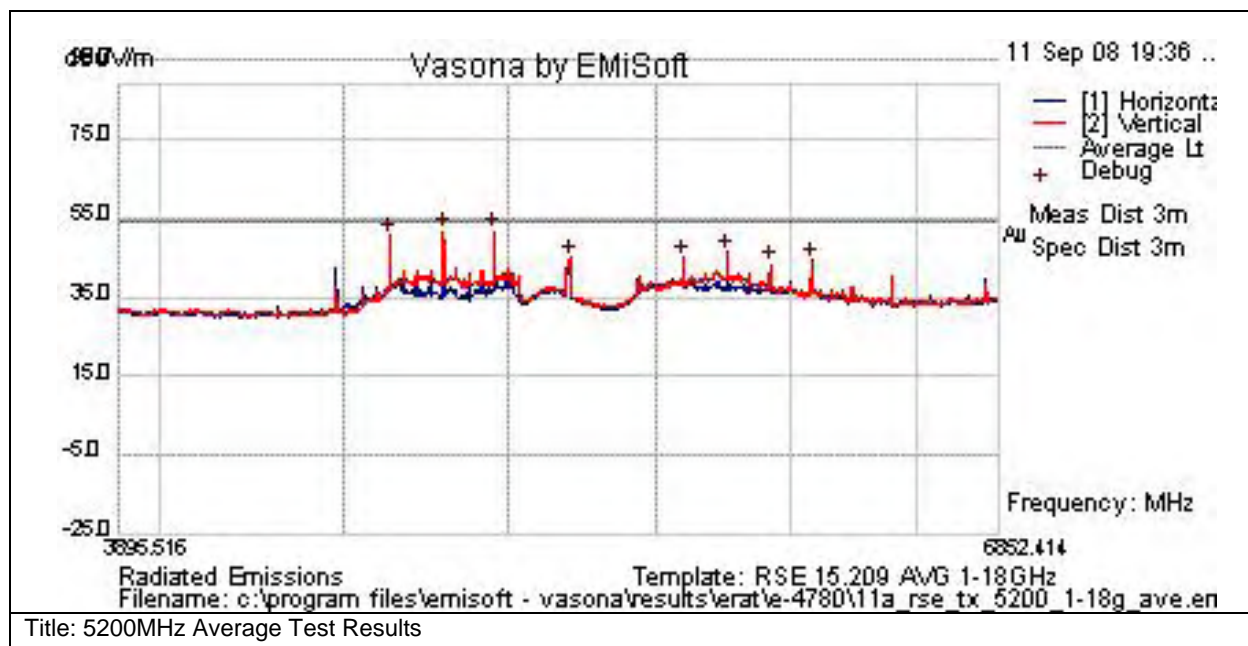
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17923.113	32.5	16.5	11.8	60.8	Peak(Scan)	V	125	0	74	-13.2	Pass	Noise Floor
14473.799	36.5	13	6.3	55.8	Peak(Scan)	V	100	0	74	-18.2	Pass	Noise Floor
4640.206	49.4	6.8	-4.2	52	Peak(Scan)	V	125	0	74	-22	Pass	
4799.283	48.6	7	-4	51.7	Peak(Scan)	V	100	0	74	-22.3	Pass	
4961.011	47.4	7.8	-4.1	51	Peak(Scan)	V	125	0	74	-23	Pass	
4679.975	47.7	6.8	-4.2	50.3	Peak(Scan)	V	125	0	74	-23.7	Pass	
5759.046	46.3	7.8	-4.1	50	Peak(Scan)	V	100	0	74	-24	Pass	



Subtest Number: 33481 - 22		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

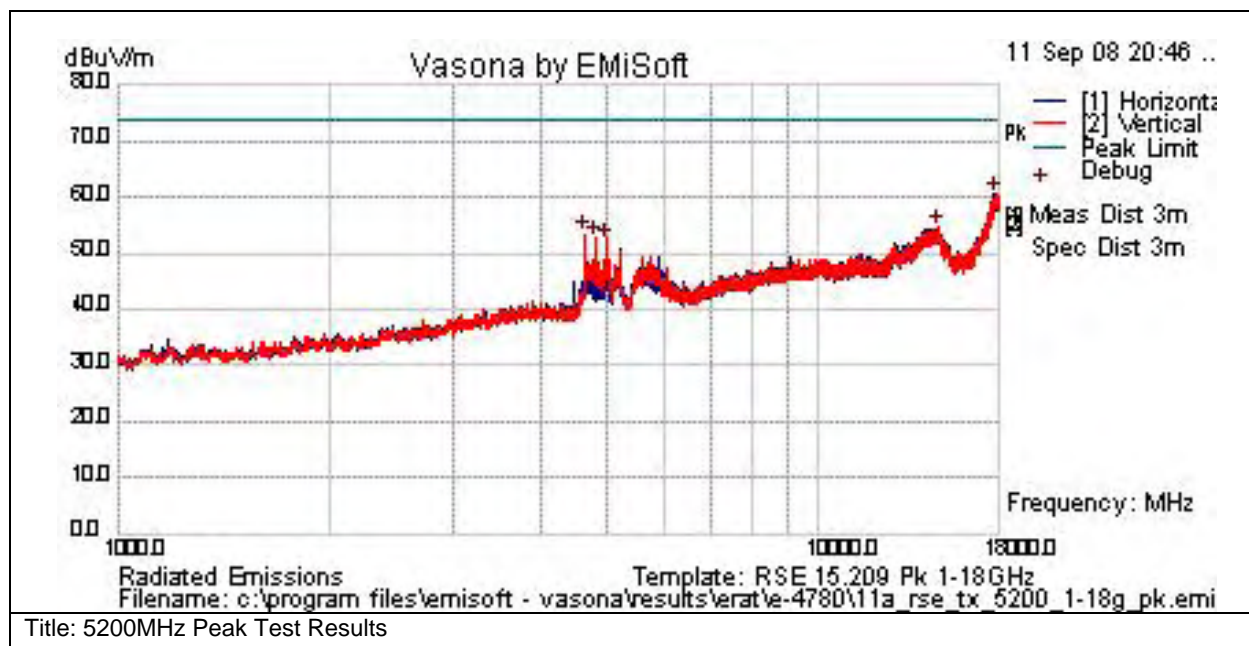
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17893.949	23.7	16.4	11.7	51.8	Av	V	100	0	54	-2.2	Pass	Noise Floor
4959.888	47.1	7.8	-4.1	50.8	Av	V	165	147	54	-3.2	Pass	
4799.84	46.6	7	-4	49.6	Av	V	100	158	54	-4.4	Pass	
4640.079	46.4	6.8	-4.2	49	Av	V	125	161	54	-5	Pass	
5207.58	38.8	9.8	-3.5	45.1	Av	V	100	0	54	-8.9	Pass	Tx Signal - EUT
5759.881	40.1	7.8	-4.1	43.9	Av	V	152	155	54	-10.1	Pass	



Subtest Number: 33481 - 23		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

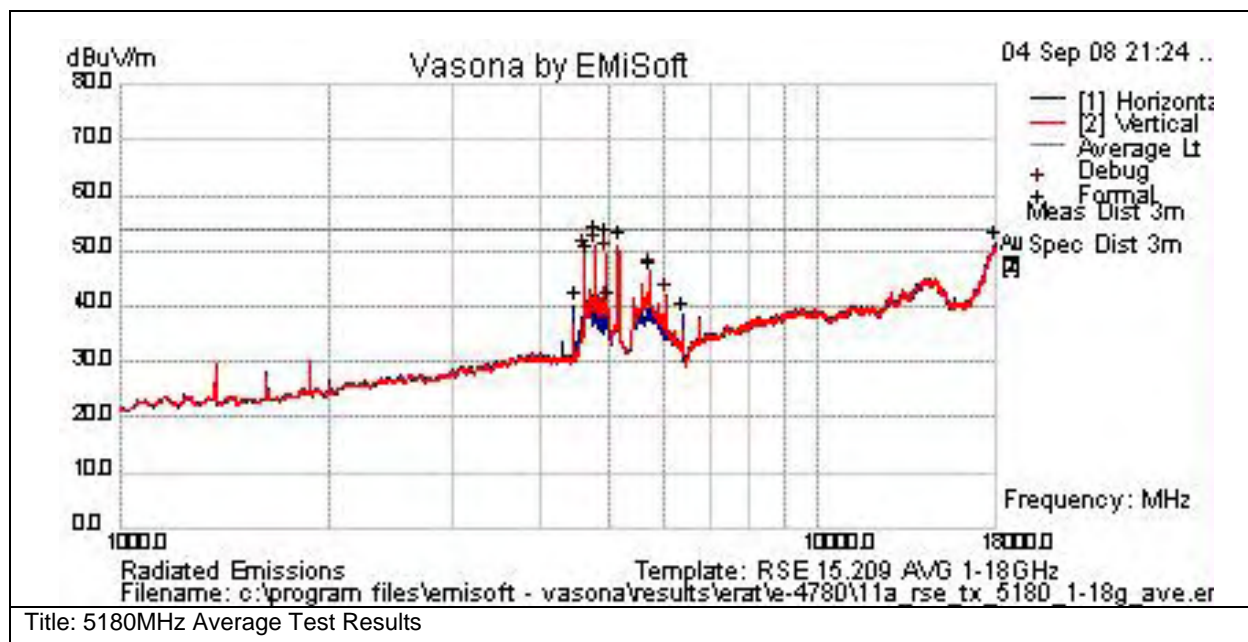
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azi Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17907.205	32.3	16.5	11.7	60.5	Peak(Scan)	H	125	0	74	-13.5	Pass	Noise Floor
14762.789	35	14.2	5.3	54.5	Peak(Scan)	V	125	0	74	-19.5	Pass	Noise Floor
4640.192	50.7	6.8	-4.2	53.3	Peak(Scan)	V	100	0	74	-20.7	Pass	
4799.489	49.7	7	-4	52.7	Peak(Scan)	V	100	0	74	-21.3	Pass	
4961.188	48.4	7.8	-4.1	52.1	Peak(Scan)	V	100	0	74	-21.9	Pass	



Subtest Number: 33481 - 24		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
4800.071	49	7	-3.9	52.1	Av	V	112	173	54	-1.9	Pass	
4960.104	48.1	7.8	-4.2	51.6	Av	V	107	162	54	-2.4	Pass	
17909.857	23.2	16.5	11.4	51.2	Av	H	100	0	54	-2.8	Pass	Noise Floor
5173.113	44.8	9.8	-3.6	51	Av	V	100	0	54	-3	Pass	Tx Signal - EUT
4640.013	46.1	6.8	-4.1	48.8	Av	H	100	6	54	-5.2	Pass	
5760.039	42.3	7.8	-4.1	46	Av	V	136	148	54	-8	Pass	
4998.129	36.1	8.4	-4	40.5	Av	V	125	0	54	-13.5	Pass	
4478.478	37.6	6.6	-4	40.2	Av	H	125	0	54	-13.8	Pass	

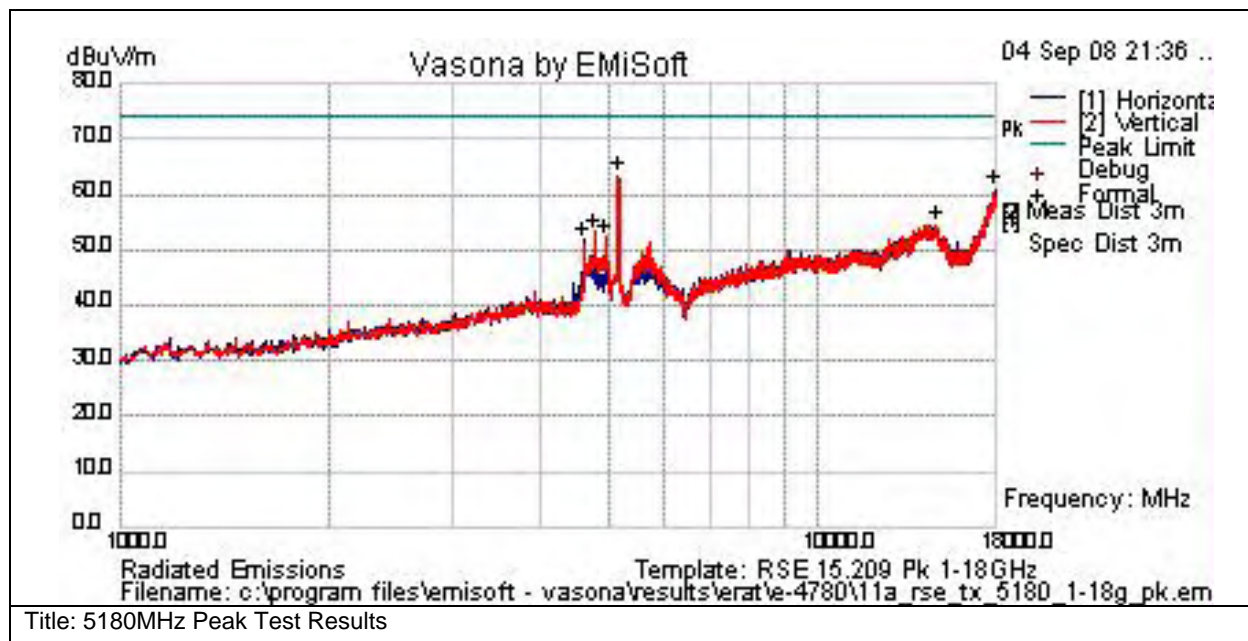


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
6398.004	33.6	8.2	-3.4	38.3	Av	H	100	0	54	-15.7	Pass	

Subtest Number: 33481 - 25		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 1 to 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5183.718	57.1	9.8	-3.5	63.4	Peak(Scan)	V	125	0	74	-10.6	Pass	Tx Signal - EUT
17904.554	32.9	16.5	11.5	60.9	Peak(Scan)	H	125	0	74	-13.1	Pass	Noise Floor
14791.953	34.8	14.2	5.6	54.6	Peak(Scan)	H	125	0	74	-19.4	Pass	Noise Floor
4802.004	50.2	7	-3.9	53.3	Peak(Scan)	V	99	-1	74	-20.7	Pass	
4961.052	48.8	7.8	-4.2	52.4	Peak(Scan)	V	99	-1	74	-21.6	Pass	

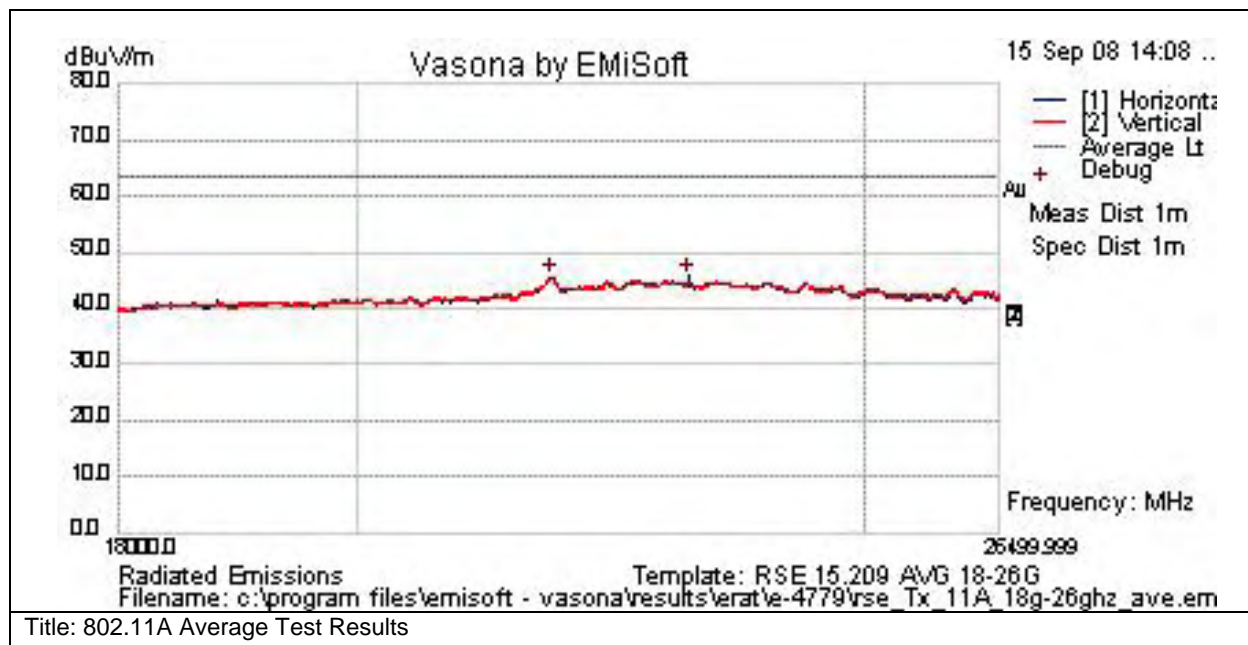


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
4638.982	49.2	6.8	-4.2	51.8	Peak(Scan)	H	99	-1	74	-22.2	Pass	

Subtest Number: 33481 - 26		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 18 - 26.5GHz	
Subtest Result	Pass	
Highest Frequency	26499.999	
Lowest Frequency	18000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

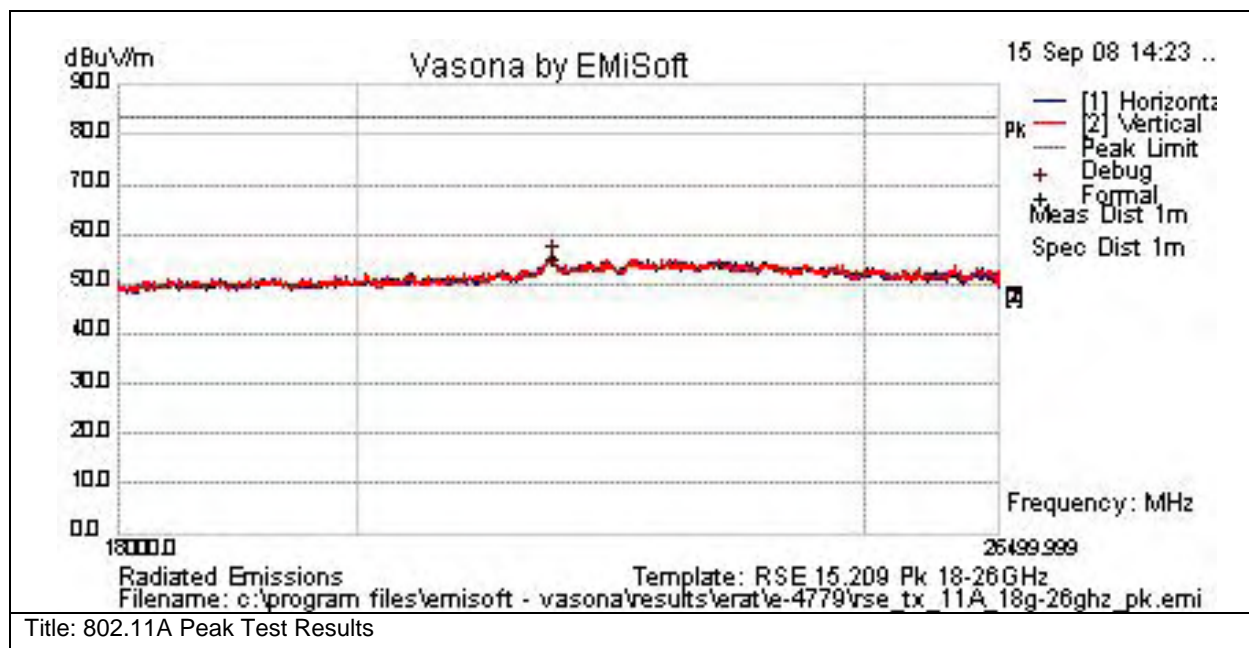
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
23135.563	28.4	0	17.4	45.8	Peak(Scan)	H	100	0	63.5	-17.7	Pass	Noise Floor
21772.814	28.1	0	17.5	45.6	Peak(Scan)	H	100	361	63.5	-17.9	Pass	Noise Floor



Subtest Number: 33481 - 27		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Emissions Test Resultls from 18 - 26.5GHz		
Subtest Result	Pass		
Highest Frequency	26499.999		
Lowest Frequency	18000.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

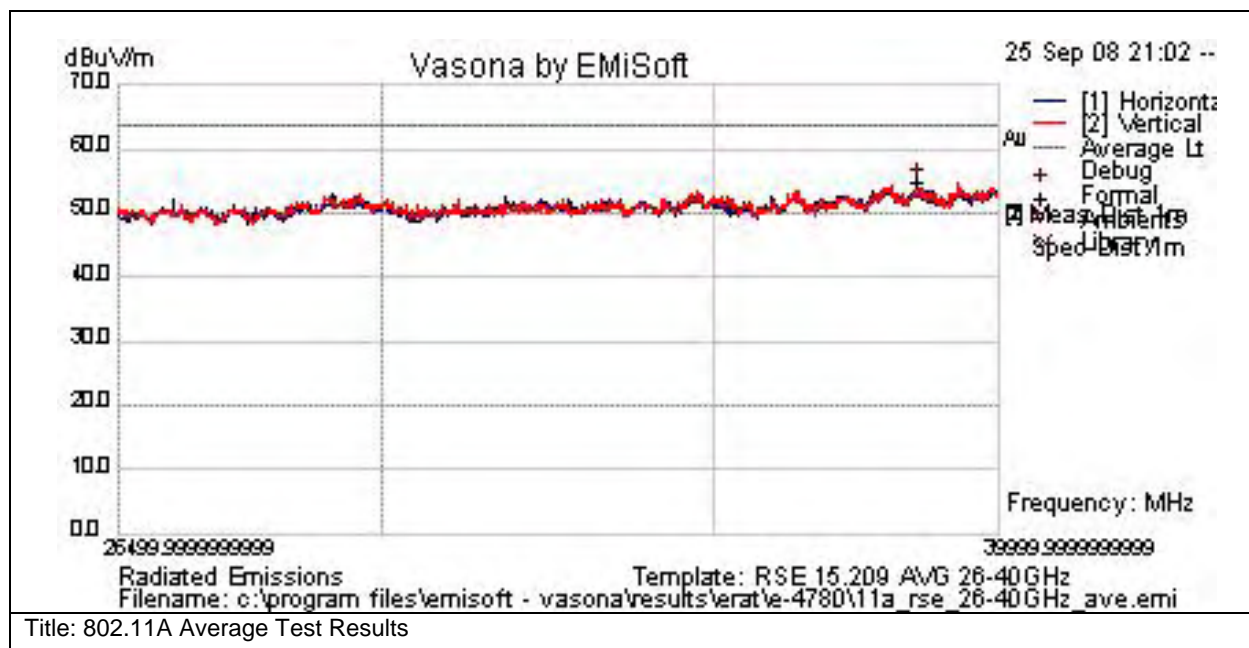
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
21795.943	37.9	0	17.5	55.4	Peak(Scan)	V	100	361	83.5	-28.1	Pass	Noise Floor



Subtest Number: 33481 - 28		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Result from 26.5GHz to 40GHz	
Subtest Result	Pass	
Highest Frequency	40000.0	
Lowest Frequency	26500.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

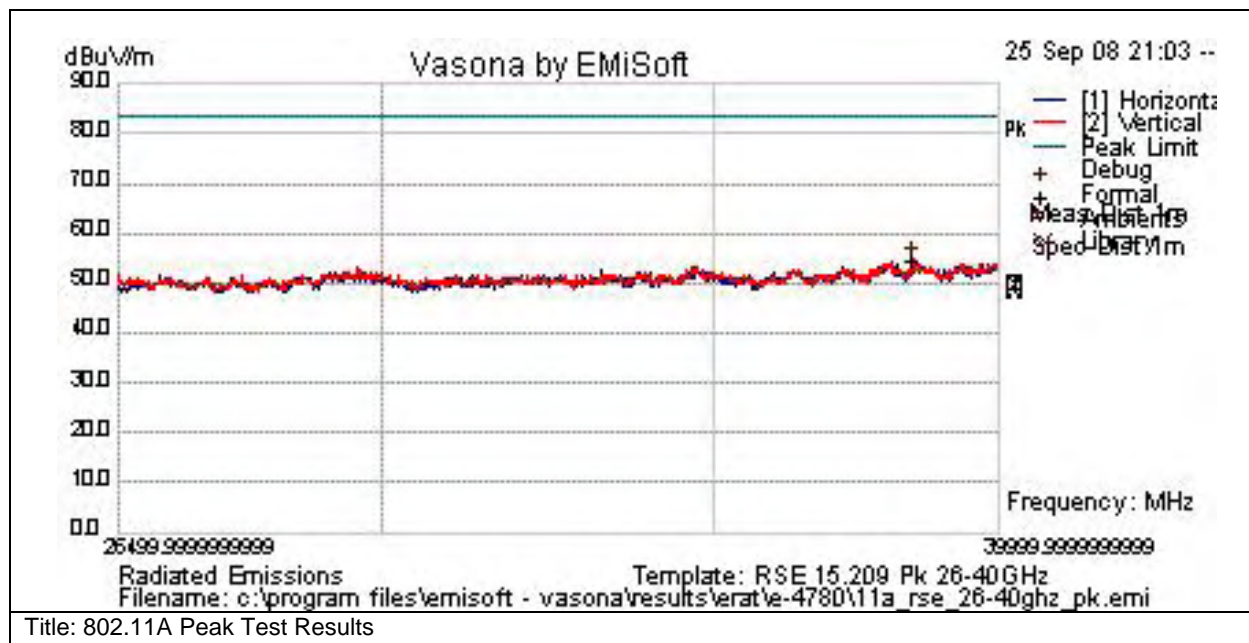
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
38525.231	54.7	0	0.3	54.9	Peak(Scan)	V	100	361	63.5	-8.6	Pass	Noise Floor



Subtest Number: 33481 - 29		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Emissions Test Results from 26.5GHz to 40GHz	
Subtest Result	Pass	
Highest Frequency	40000.0	
Lowest Frequency	26500.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
38445.445	54	0	0.6	54.6	Peak(Scan)	V	100	361	83.5	-28.9	Pass	Noise Floor



Radiated Band Edge Measurements

Radiated emissions which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a).

Test Number: 33480		Spec ID: 860		
Basic Standard	Applied to	Class	Freq Range	Test Details / Comments
Restricted Bandedge Measurements	Enclosure	N/A	2.4GHz - 5.825GHz	CFR47 Part 15.205, CFR47 Part 15.209, LP002, RSS210HKTA1039
Operating Mode	Mode : 1, 802.11A Radio Test			
Power Input	110, 60Hz (+/-20%)			
Overall Result	Pass			
Comments	No further comments			
Deviation	There were no deviations from the specification			

System Number	Description	Samples	System under test	Support equipment
1	5GHz Radio Test Sample	S01	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Subtest Number: 33480 - 1		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Bandedge Results		
Subtest Result	Pass		
Highest Frequency	6500.0		
Lowest Frequency	5805.0		
Comments on the above Test Results	No further comments		
Environmental Conditions:			
Temperature: within range of 54 to 95 F:		Yes	
Humidity: between 10 and 75%:		Yes	
Comments:			
Equipment used:			
Equipment No	Manufacturer	Model	Description
CIS002119	EMC Test Systems	3115	Double Ridged Guide Horn Antenna
CIS008024	Huber + Suhner	SF106A	3 meter Sucoflex cable



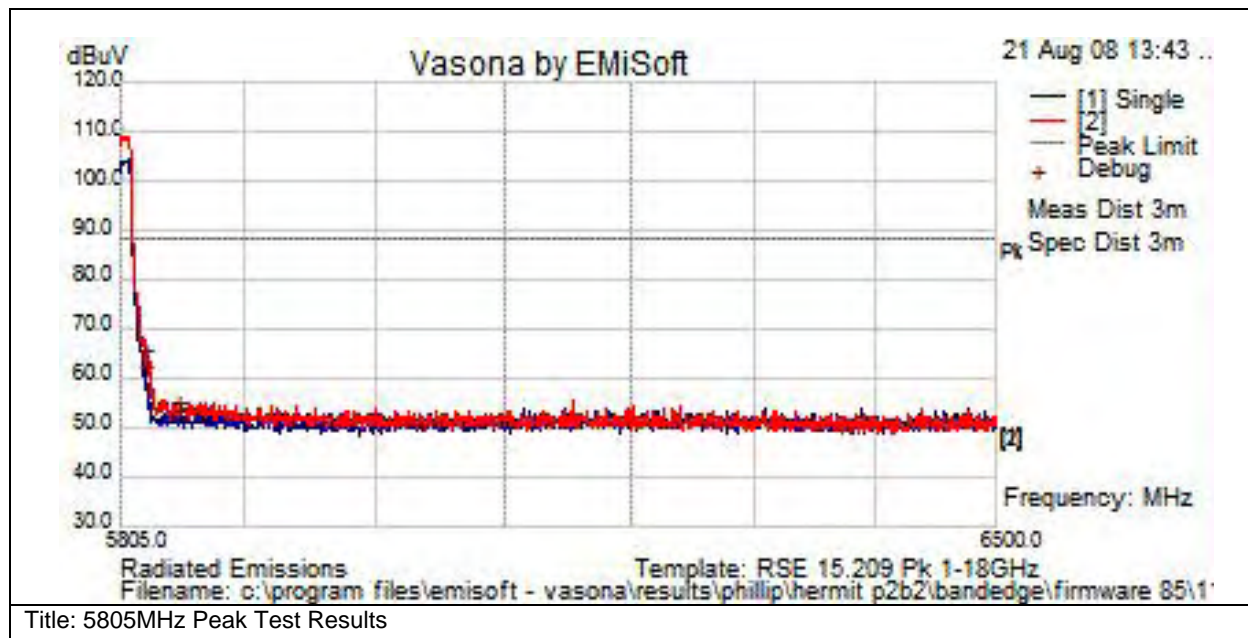
CIS008081	Huber + Suhner	SF106A	1m Sucoflex cable
CIS004840	HP	8449B	PreAmplifier
CIS005691	Miteq	NSP1800-25-S1	Broadband Preamplifier (1-18GHz)
CIS018314	EMC Test Systems	3115	Double Ridged Guide Horn Antenna
CIS030443	Micro-Coax	UFB311A-0-1560-520520	RF Coaxial Cable, to 18GHz, 156 In.
CIS033602	Midwest Microwave	CSY-NMNM-80-273001	RF Coaxial Cable, 27ft. to 18GHz
CIS034074	Schaffner	RSG 2000	Reference Spectrum Generator, 1-18GHz
CIS042000	Agilent	E4440A	Spectrum Analyzer

Confidence Check Details:

Confidence Check	Pass
Confidence Check Comments	No further Comments

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

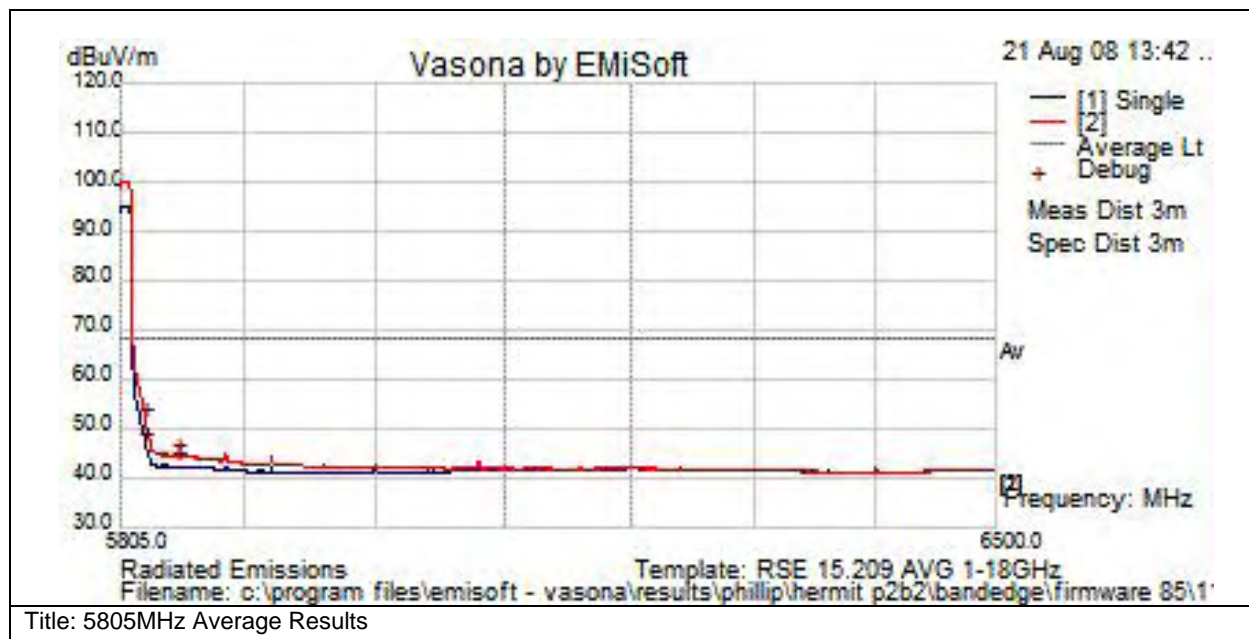
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV	Margin dB	Pass /Fail	Comments
5825	57.1	7.5	-1.2	63.3	Peak(Scan)	V	121	326	88.2	-24.9	Pass	
5825	53.4	7.5	-1.2	59.7	Peak(Scan)	H	154	207	88.2	-28.5	Pass	
5850	46.1	7.5	-1.2	52.4	Peak(Scan)	V	121	326	88.2	-35.8	Pass	
5850	44.8	7.5	-1.2	51	Peak(Scan)	H	154	207	88.2	-37.2	Pass	



Subtest Number: 33480 - 2		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	6500.0	
Lowest Frequency	5805.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

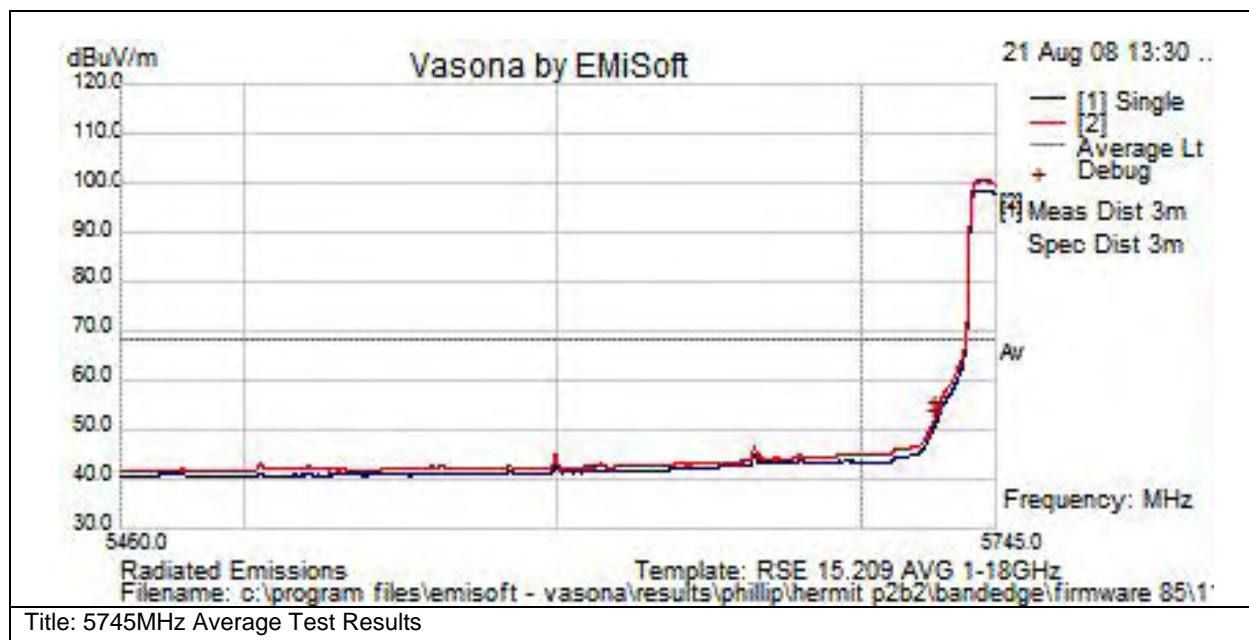
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV	Margin dB	Pass /Fail	Comments
5825	44.90	7.5	-1.2	51.19	Av	V	121	326	68.2	-17.0	Pass	
5825	40.20	7.5	-1.2	46.44	Av	H	154	207	68.2	-21.8	Pass	
5850	37.90	7.5	-1.2	44.19	Av	V	121	326	68.2	-24.0	Pass	
5850	36.00	7.5	-1.2	42.32	Av	H	154	207	68.2	-25.9	Pass	



Subtest Number: 33480 - 3		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5745.0	
Lowest Frequency	5460.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



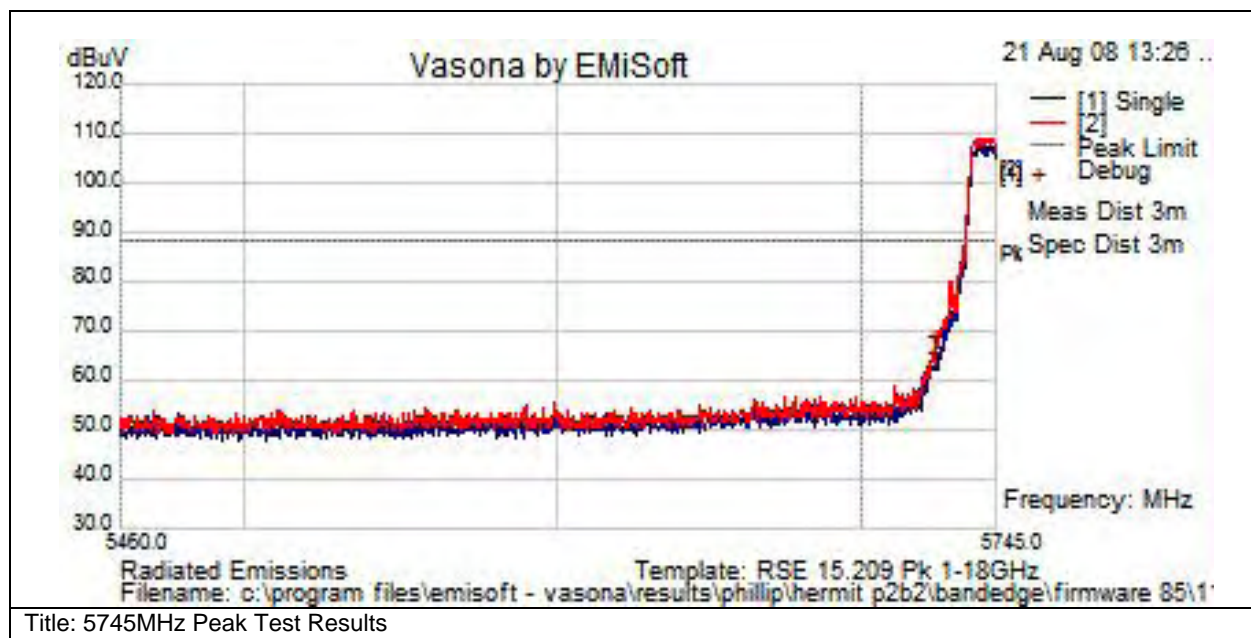
Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5725	47.1	7.4	-1.3	53.2	Av	V	117	328	68.2	-15	Pass	
5725	45.2	7.4	-1.3	51.3	Av	H	101	164	68.2	-16.9	Pass	

Subtest Number: 33480 - 4		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5745.0	
Lowest Frequency	5460.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

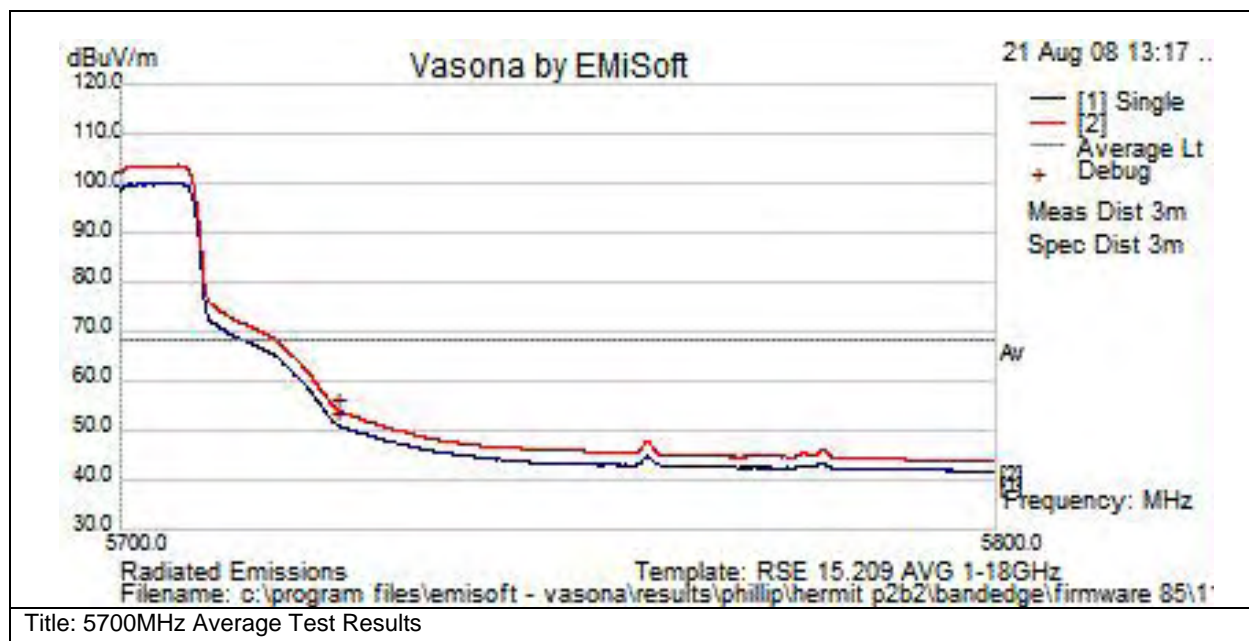
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV	Margin dB	Pass /Fail	Comments
5725	60.3	7.4	-1.3	66.4	Peak(Scan)	V	117	328	88.2	-21.8	Pass	
5725	56.9	7.4	-1.3	63	Peak(Scan)	H	101	164	88.2	-25.2	Pass	



Subtest Number: 33480 - 5		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5800.0	
Lowest Frequency	5700.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

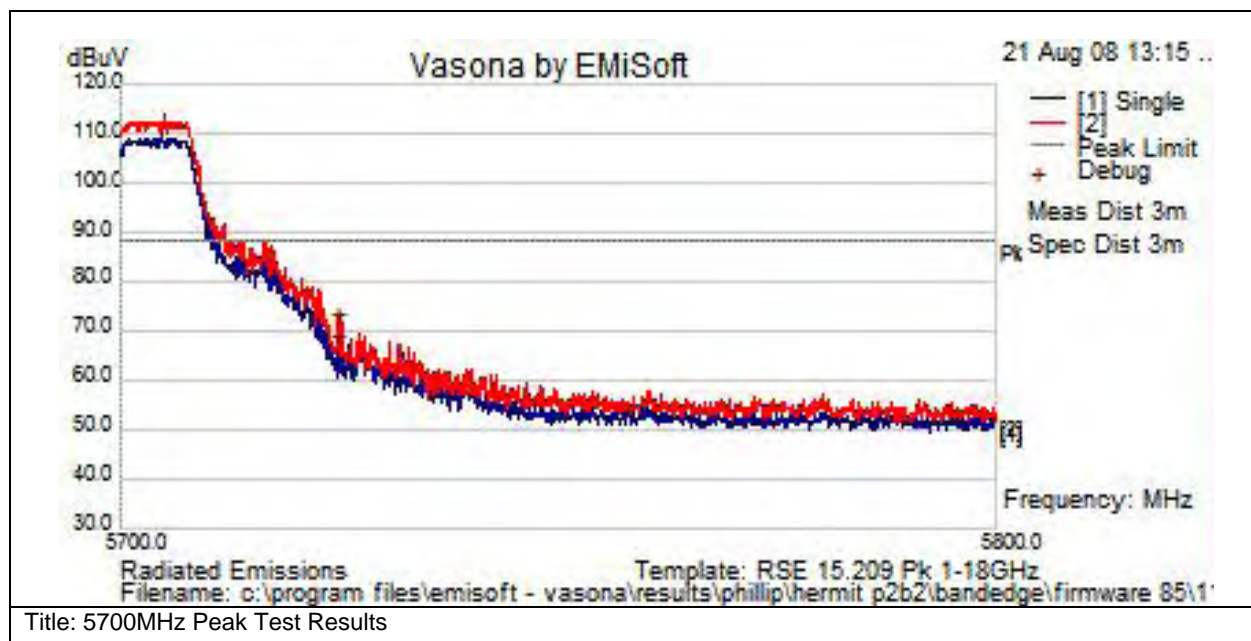
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5725	47.7	7.4	-1.3	53.8	Av	V	125	324	68.2	-14.4	Pass	
5725	44.7	7.4	-1.3	50.8	Av	H	101	177	68.2	-17.4	Pass	



Subtest Number: 33480 - 6		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5800.0	
Lowest Frequency	5700.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



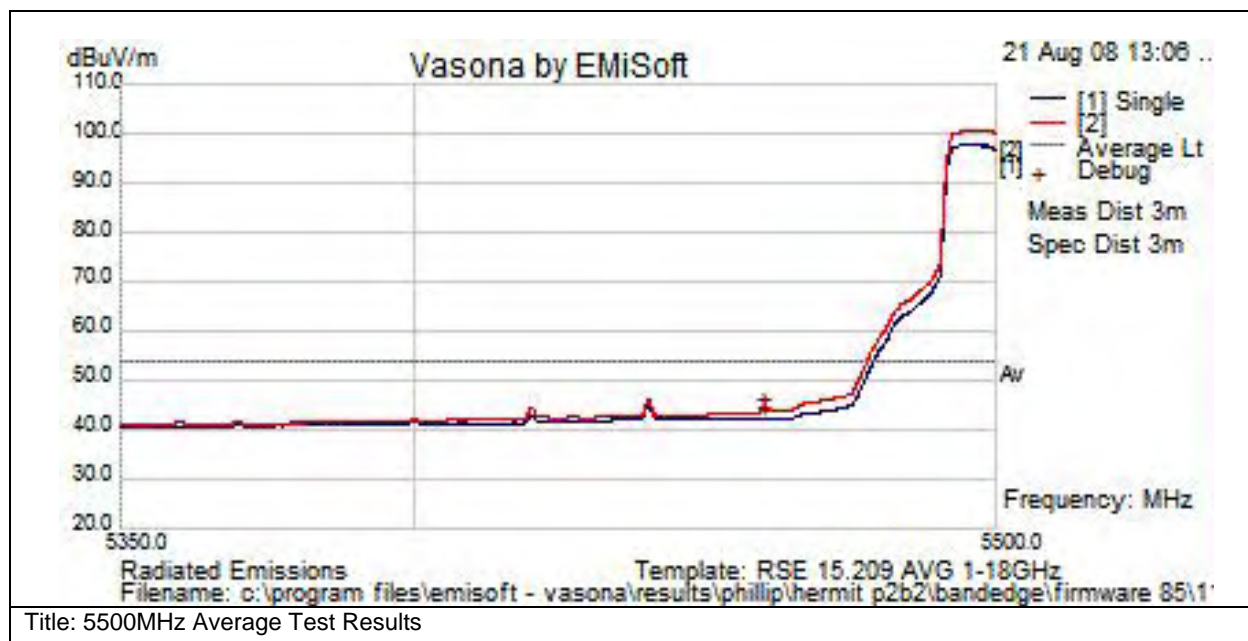
Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV	Margin dB	Pass /Fail	Comments
5725	64.6	7.4	-1.3	70.7	Peak(Scan)	V	125	324	88.2	-17.5	Pass	
5725	60.2	7.4	-1.3	66.3	Peak(Scan)	H	101	177	88.2	-21.9	Pass	

Subtest Number: 33480 - 7		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5500.0	
Lowest Frequency	5350.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



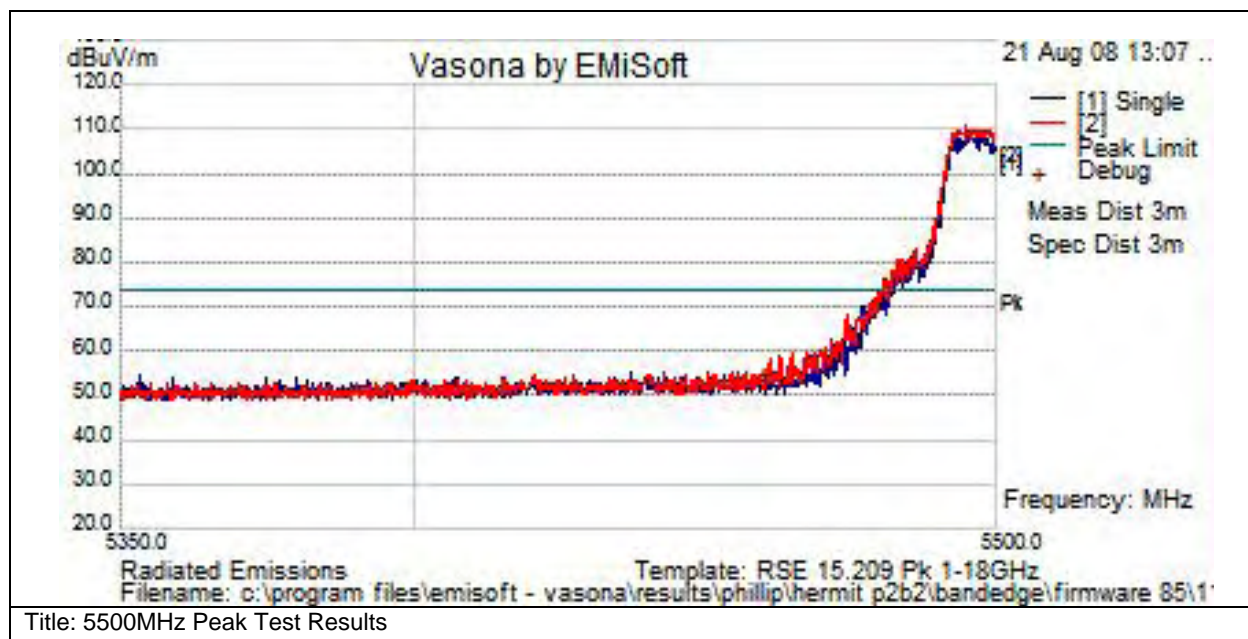
Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5460	37.5	7.2	-1	43.7	Av	V	119	325	54	-10.3	Pass	
5460	36.1	7.2	-1	42.2	Av	H	118	158	54	-11.8	Pass	

Subtest Number: 33480 - 8		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5500.0	
Lowest Frequency	5350.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

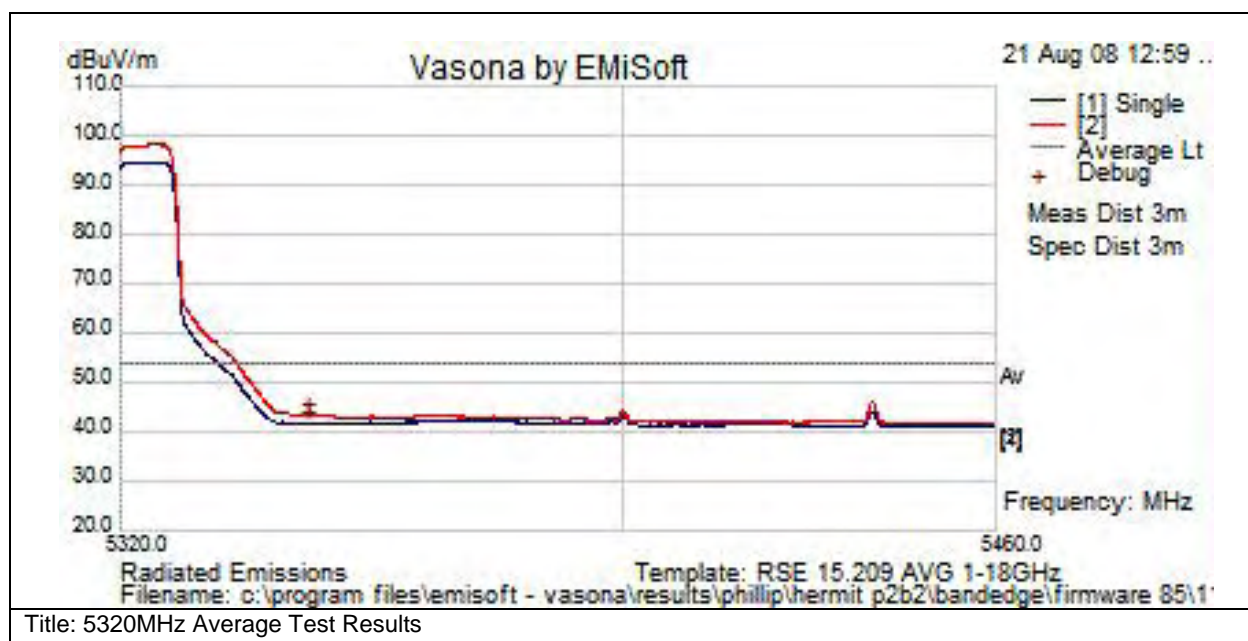
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5460	45.7	7.2	-1	51.8	Peak(Scan)	H	118	158	74	-22.2	Pass	
5460	45.4	7.2	-1	51.6	Peak(Scan)	V	119	325	74	-22.4	Pass	



Subtest Number: 33480 - 9		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5460.0	
Lowest Frequency	5320.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

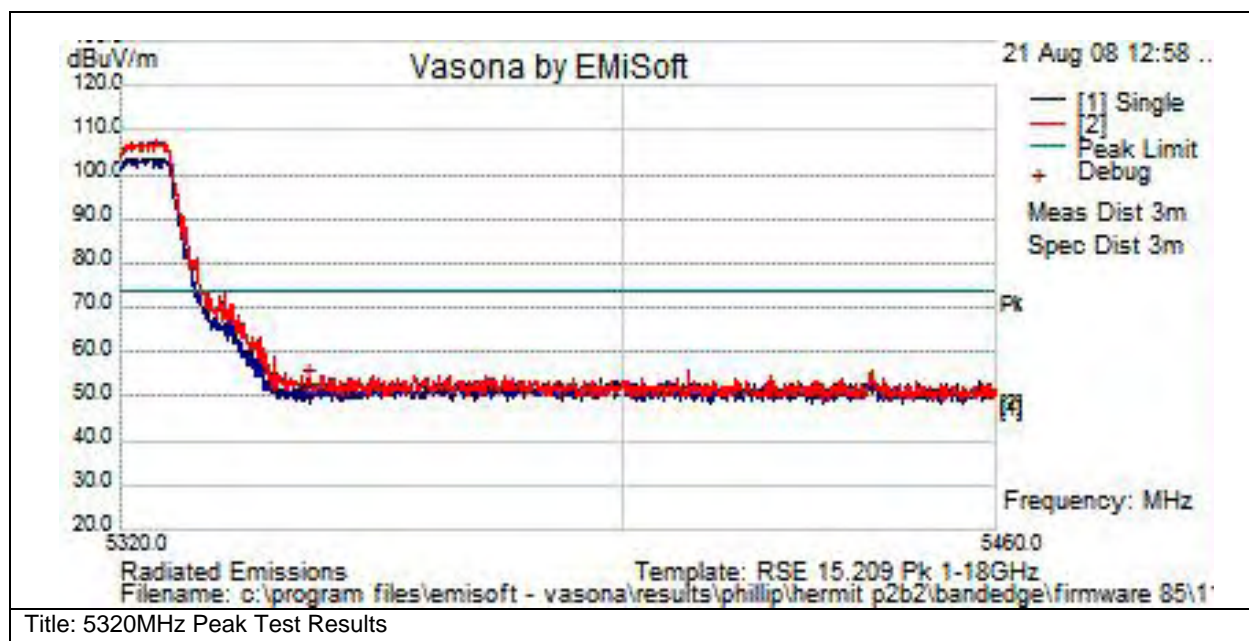
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5350	37.4	7.1	-1.2	43.2	Av	V	126	324	54	-10.8	Pass	
5350	35.7	7.1	-1.2	41.6	Av	H	119	175	54	-12.4	Pass	



Subtest Number: 33480 - 10		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5460.0	
Lowest Frequency	5320.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

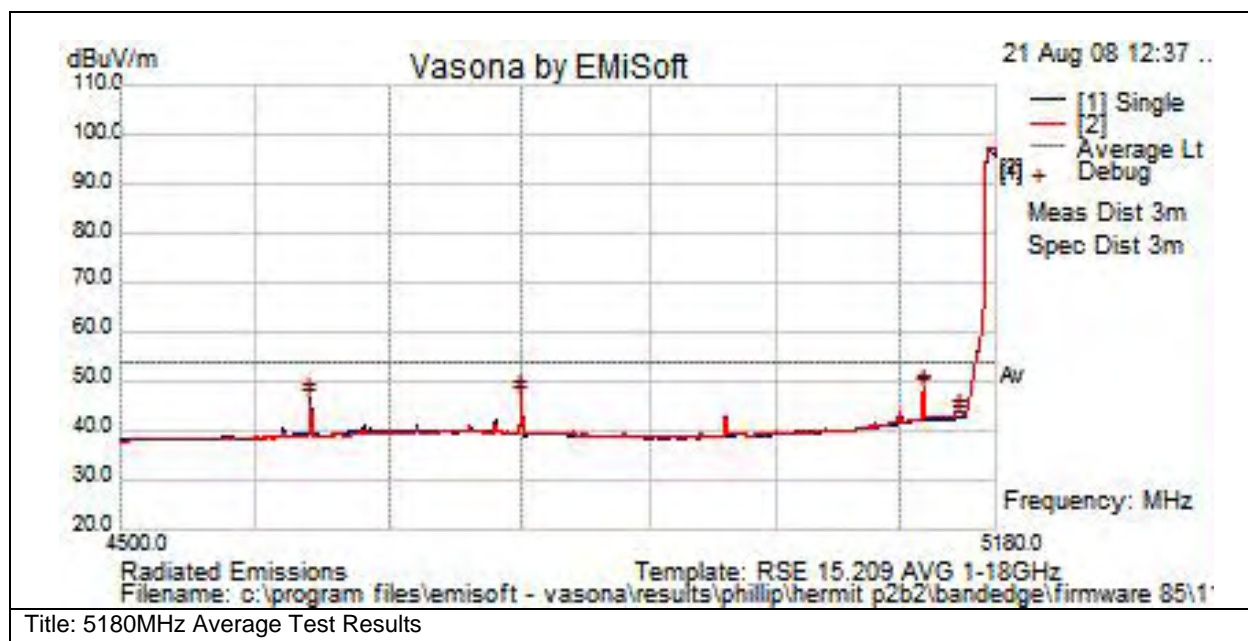
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5350	47.6	7.1	-1.2	53.4	Peak(Scan)	V	126	324	74	-20.6	Pass	
5350	43.7	7.1	-1.2	49.6	Peak(Scan)	H	119	175	74	-24.4	Pass	



Subtest Number: 33480 - 11		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Bandedge Test Results	
Subtest Result	Pass	
Highest Frequency	5180.0	
Lowest Frequency	4500.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5120.241	43.4	6.9	-1.7	48.6	Av	V	105	242	54	-5.4	Pass	
5120.172	42.8	6.9	-1.7	48.1	Av	H	111	189	54	-5.9	Pass	
4799.979	43.6	6.6	-2.4	47.8	Av	V	105	242	54	-6.2	Pass	
4639.987	43.3	6.5	-2.9	46.8	Av	H	111	189	54	-7.2	Pass	
4800.166	42	6.6	-2.4	46.2	Av	H	111	189	54	-7.8	Pass	
4640	42.2	6.5	-2.9	45.8	Av	V	105	296	54	-8.2	Pass	

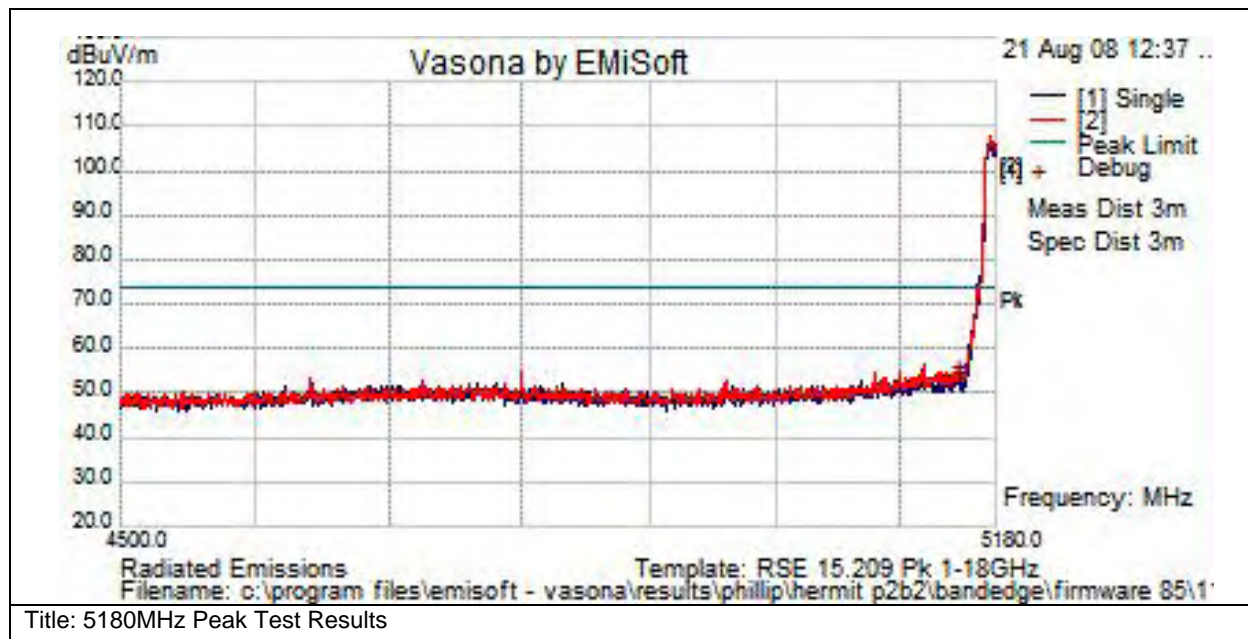


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5150	38.3	6.9	-1.6	43.7	Av	V	105	242	54	-10.3	Pass	
5150	37.4	6.9	-1.6	42.8	Av	H	111	189	54	-11.2	Pass	

Subtest Number: 33480 - 12		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Bandedge Test Results		
Subtest Result	Pass		
Highest Frequency	5180.0		
Lowest Frequency	4500.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5150	47.7	6.9	-1.6	53.1	Peak(Scan)	V	105	242	74	-20.9	Pass	
5150	46.5	6.9	-1.6	51.9	Peak(Scan)	H	111	189	74	-22.1	Pass	



Co-Locator Radiated Spurious Emissions

15.205 & RSS-210 sec2.7:

Radiated emissions which fall in the restricted bands, as defined in Sec. 15.205(a), must also comply with the radiated emission limits specified in Sec. 15.209(a).

Test Number: 33478		Spec ID: 441		
Basic Standard	Applied to	Class	Freq Range	Test Details / Comments
Co-Located Transmitters	Enclosure	N/A	1GHz-1.0GHz	Compliance based upon meeting the emission levels for radiated spurious emissions as stated in RSS-210, FCC part 15.209 and HKTA1039. CISPR limits are not applicable for this test
Operating Mode	Mode : 1, 802.11A Radio Test			
Power Input	110, 60Hz (+/-20%)			
Overall Result	Pass			
Comments	No further comments			
Deviation	There were no deviations from the specification			

System Number	Description	Samples	System under test	Support equipment
1	5GHz Radio Test Sample	S01	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Subtest Number: 33478 - 1		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Co-Located Radiated Spurious Emissions Results		
Subtest Result	Pass		
Highest Frequency	1000.0		
Lowest Frequency	30.0		
Comments on the above Test Results	No further comments		
Environmental Conditions:			
Temperature: within range of 54 to 95 F:		Yes	
Humidity: between 10 and 75%:		Yes	
Comments:			
Equipment used:			

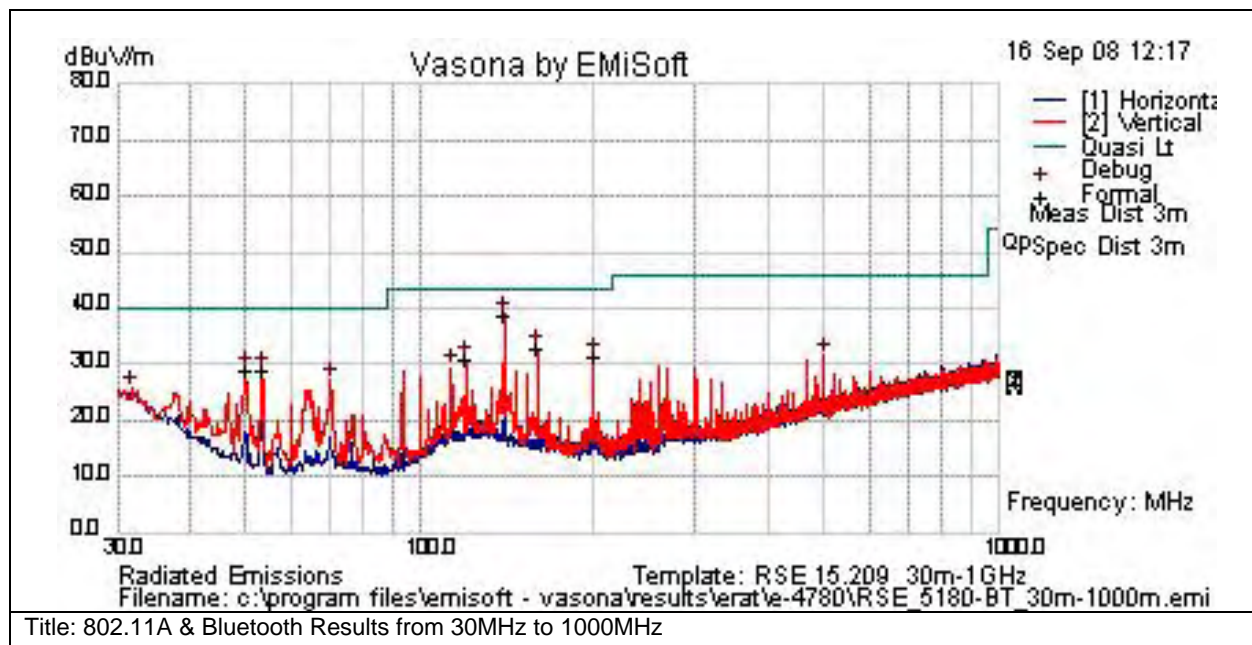


Equipment No	Manufacturer	Model	Description
CIS002119	EMC Test Systems	3115	Double Ridged Guide Horn Antenna
CIS008024	Huber + Suhner	SF106A	3 meter Sucoflex cable
CIS008081	Huber + Suhner	SF106A	1m Sucoflex cable
CIS005691	Miteq	NSP1800-25-S1	Broadband Preamplifier (1-18GHz)
CIS018314	EMC Test Systems	3115	Double Ridged Guide Horn Antenna
CIS024201	Rohde & Schwarz	FSEK30	Spectrum Analyzer 20Hz - 40GHz
CIS027235	York	CNE V	Comparison Noise Emitter
CIS028072	Cisco	1840	18-40GHz EMI Test Head/Verification Fixture
CIS030443	Micro-Coax	UFB311A-0-1560-520520	RF Coaxial Cable, to 18GHz, 156 In.
CIS031995	HP	83712B	Synthesized CW Signal Generator
CIS033602	Midwest Microwave	CSY-NMNM-80-273001	RF Coaxial Cable, 27ft. to 18GHz
CIS034074	Schaffner	RSG 2000	Reference Spectrum Generator, 1-18GHz
CIS039114	Sunol Sciences	JB1	Combination Antenna
CIS040523	Rohde & Schwarz	ESCI	EMI Test Receiver
CIS042000	Agilent	E4440A	Spectrum Analyzer
Confidence Check Details:			
Confidence Check		Pass	
Confidence Check Comments		No further Comments	



Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

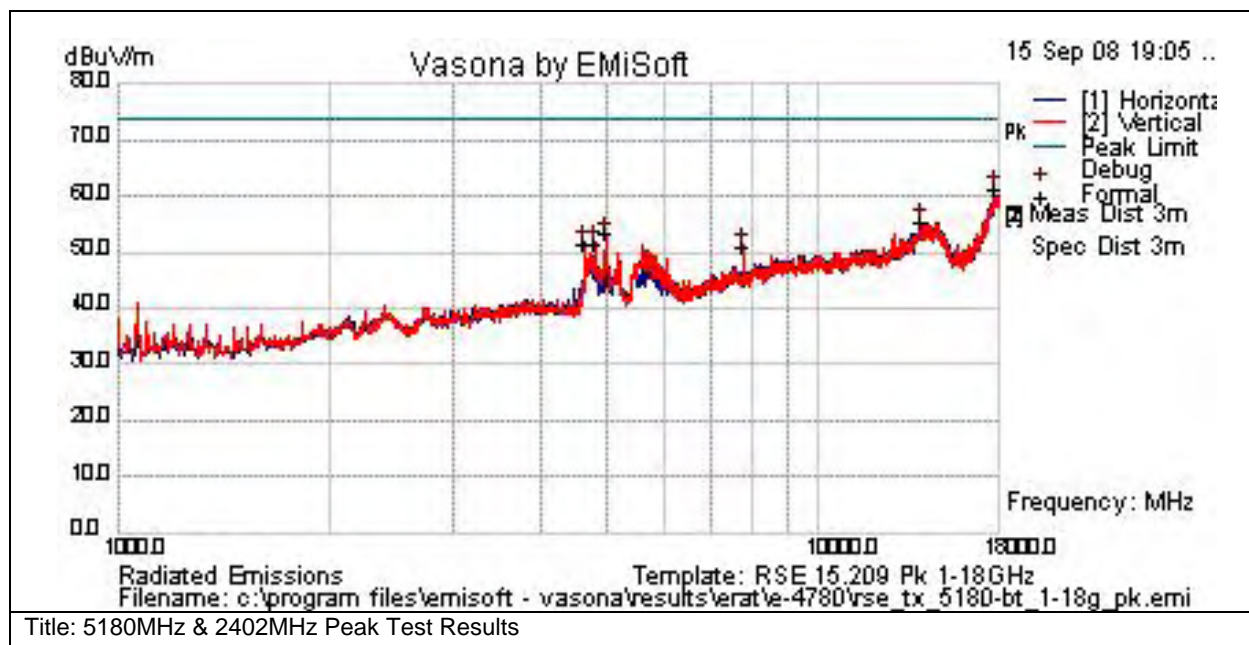
Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
140.095	25	1	12.9	39	NA	V	100	0	43.5	-4.6	Pass	Support Equip
159.98	19.7	1.2	12	32.8	NA	V	100	0	43.5	-10.7	Pass	Support Equip
53.28	21.2	0.7	7.3	29.2	NA	V	100	0	40	-10.8	Pass	Support Equip
49.885	20.3	0.6	7.8	28.8	NA	V	100	0	40	-11.2	Pass	Support Equip
199.992	17.8	1.3	12.2	31.3	NA	V	100	0	43.5	-12.2	Pass	Support Equip
119.968	15.9	1	13.9	30.8	NA	V	100	0	43.5	-12.7	Pass	Support Equip



Subtest Number: 33478 - 2		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17787.898	32.8	17.1	11.1	61.1	Peak(Scan)	H	100	0	74	-12.9	Pass	Noise Floor
13985.964	35.6	12.8	7.1	55.4	Peak(Scan)	V	100	0	74	-18.6	Pass	Noise Floor

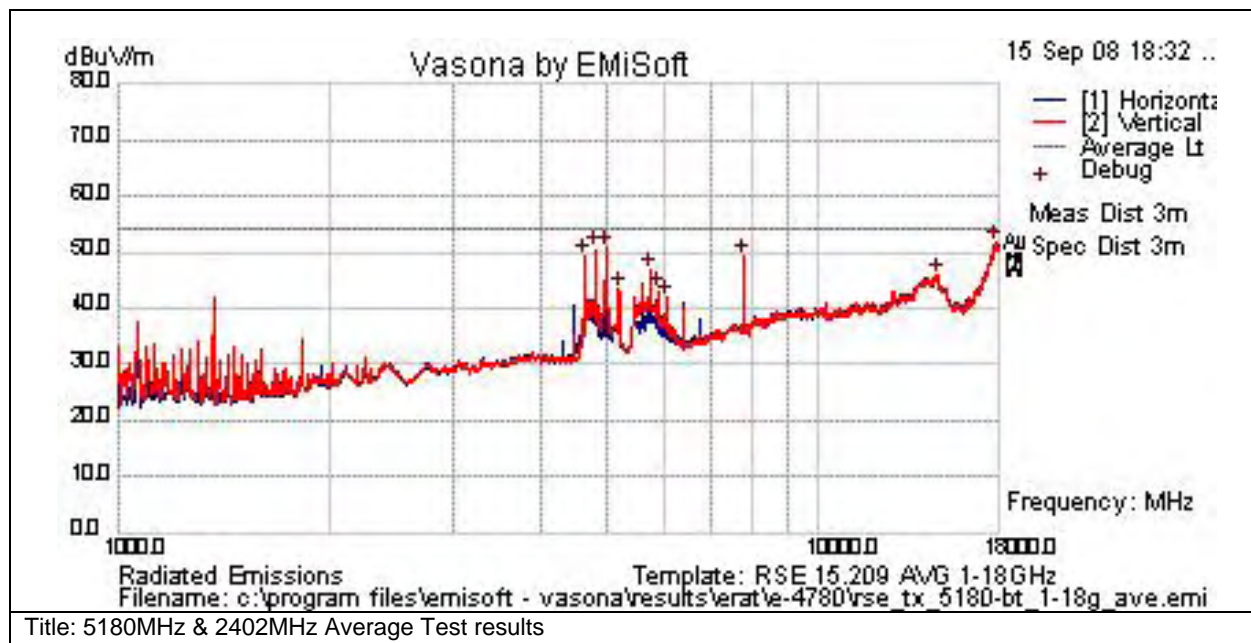


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
4961.034	49.1	8.3	-4.2	53.2	Peak(Scan)	V	100	1	74	-20.8	Pass	
4801.909	48	7.5	-3.9	51.5	Peak(Scan)	V	100	1	74	-22.5	Pass	
7814.009	39.5	9.6	1.9	51	Peak(Scan)	V	100	1	74	-23	Pass	
4643	48.3	7.3	-4.1	51.4	Peak(Scan)	H	100	1	74	-22.6	Pass	

Subtest Number: 33478 - 3		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz		
Subtest Result	Pass		
Highest Frequency	18000.0		
Lowest Frequency	1000.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
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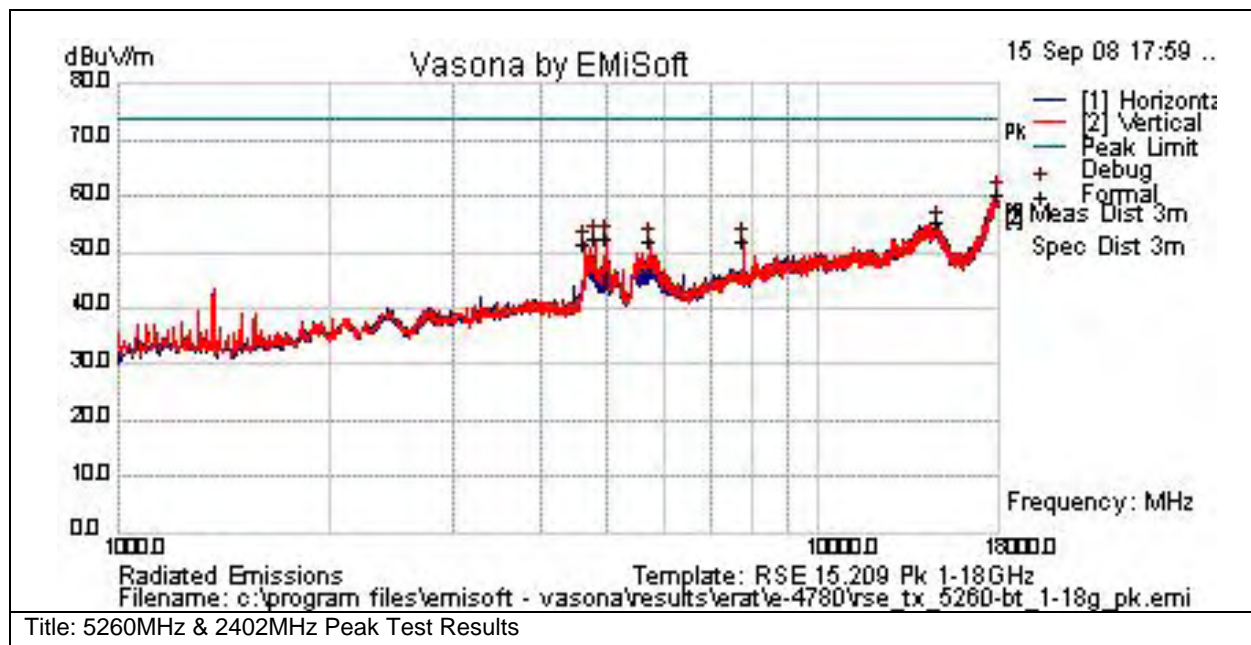


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17909.857	23	17.1	11.4	51.6	Peak(Scan)	V	100	0	54	-2.4	Pass	Noise Floor
4800.018	47.8	7.5	-3.9	51.3	Av	V	107	163	54	-2.7	Pass	
7812.037	38.8	9.6	1.9	50.3	Av	V	107	144	54	-3.7	Pass	
4959.989	46	8.3	-4.2	50.1	Av	V	131	155	54	-3.9	Pass	
4640.089	43.9	7.2	-4.1	47	Av	V	110	150	54	-7	Pass	
5759.993	41.6	8.2	-4.1	45.8	Av	V	118	147	54	-8.2	Pass	

Subtest Number: 33478 - 4		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz		
Subtest Result	Pass		
Highest Frequency	18000.0		
Lowest Frequency	1000.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

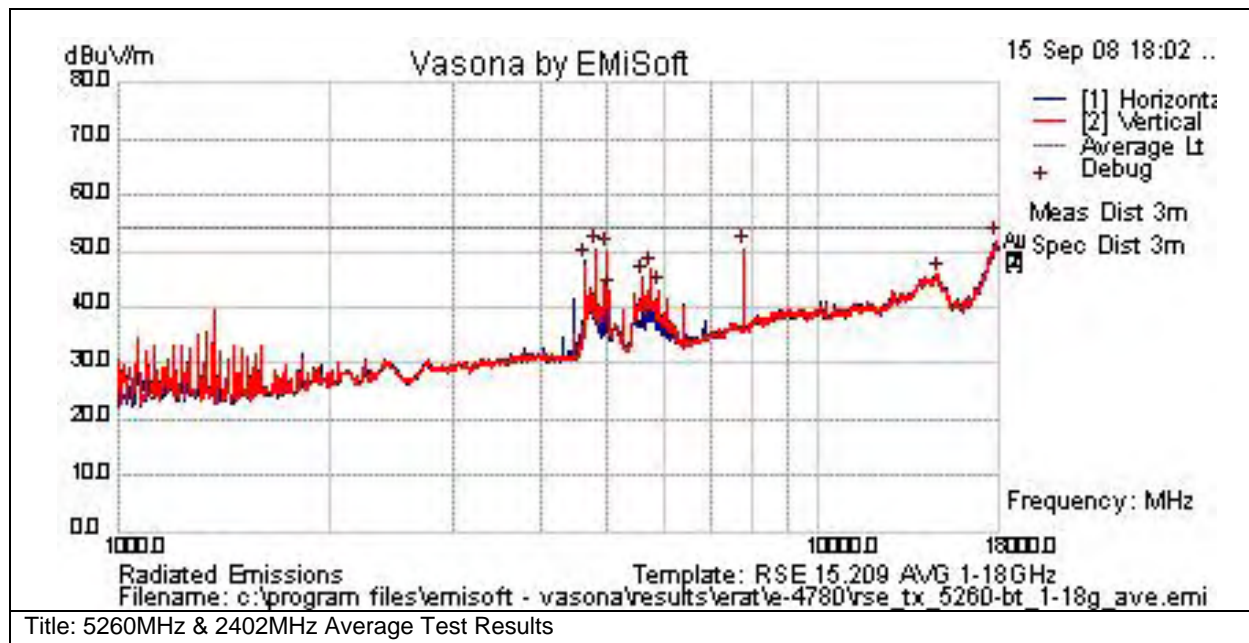


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17931.067	31.6	17.2	11.4	60.3	Peak(Scan)	V	125	0	74	-13.7	Pass	Noise Floor
14733.624	34.8	14.7	5.7	55.2	Peak(Scan)	V	100	0	74	-18.8	Pass	Noise Floor
4960.924	48.3	8.3	-4.2	52.4	Peak(Scan)	V	100	0	74	-21.6	Pass	
4802.134	48.7	7.5	-3.9	52.3	Peak(Scan)	V	100	0	74	-21.7	Pass	
5761.825	47.9	8.2	-4.1	52.1	Peak(Scan)	V	100	0	74	-21.9	Pass	
7814.057	40.3	9.6	1.9	51.8	Peak(Scan)	V	100	0	74	-22.2	Pass	
4637.594	48.6	7.3	-4.2	51.7	Peak(Scan)	V	100	0	74	-22.3	Pass	

Subtest Number: 33478 - 5		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz		
Subtest Result	Pass		
Highest Frequency	18000.0		
Lowest Frequency	1000.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

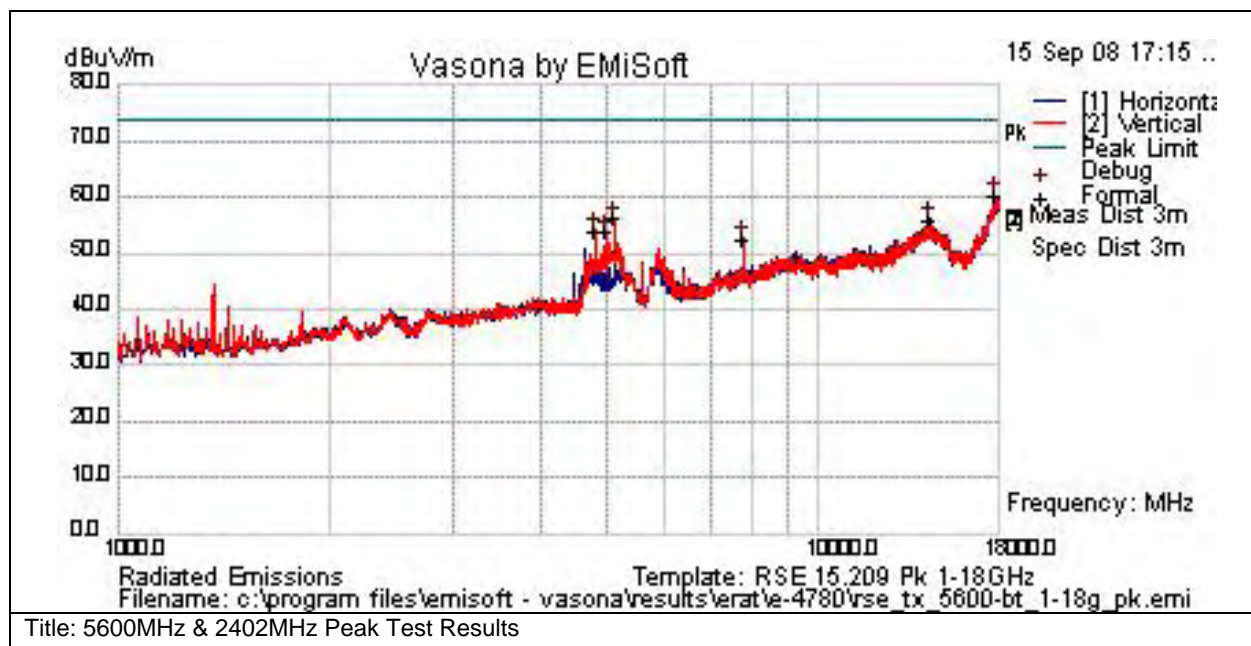


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17872.739	23.6	17	11.3	52	NA	H	100	0	54	-2	Pass	Noise Floor
4799.899	47.6	7.5	-3.9	51.2	Av	V	108	159	54	-2.8	Pass	
4960.088	46.5	8.3	-4.2	50.6	Av	V	102	156	54	-3.4	Pass	
7811.964	39.1	9.6	1.9	50.6	Av	V	101	143	54	-3.4	Pass	
4640.057	44	7.2	-4.1	47.1	Av	V	100	171	54	-6.9	Pass	
5759.904	41.4	8.2	-4.1	45.6	Av	V	131	156	54	-8.4	Pass	

Subtest Number: 33478 - 6		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz	
Subtest Result	Pass	
Highest Frequency	18000.0	
Lowest Frequency	1000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

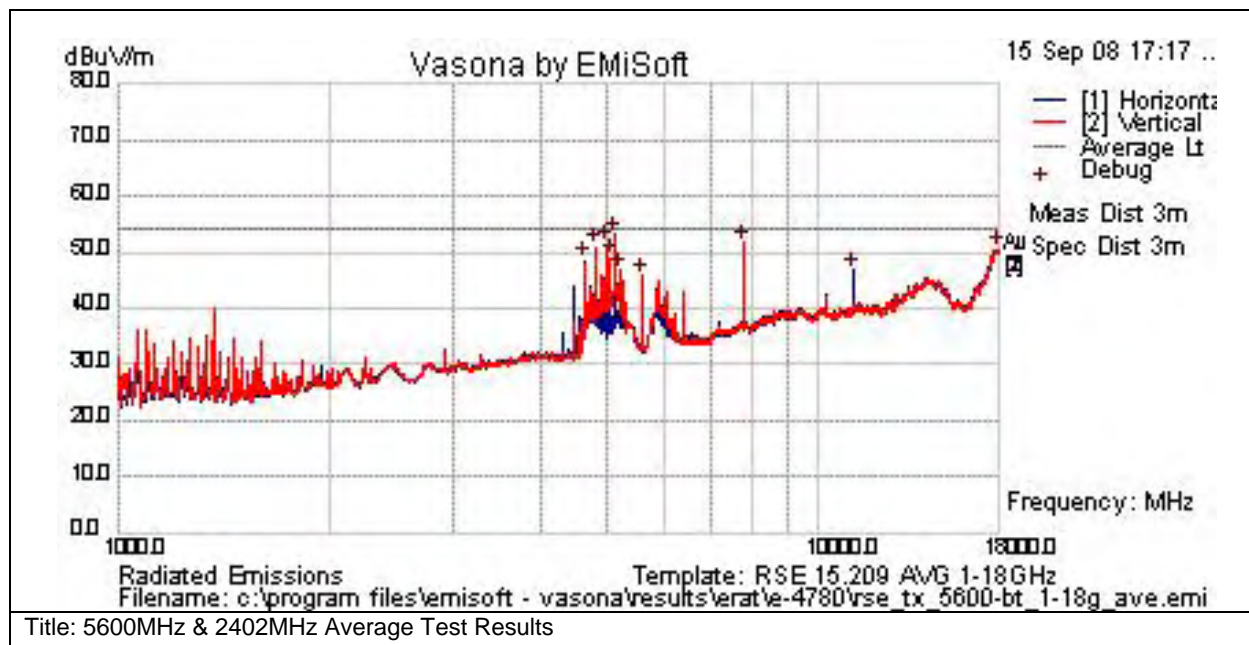


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17814.41	32.8	16.2	11.2	60.3	Peak(Scan)	V	100	0	74	-13.7	Pass	Noise Floor
5120.087	52.3	7.8	-3.8	56.2	Peak(Scan)	V	125	0	74	-17.8	Pass	
14373.051	35.8	13.2	6.9	56	Peak(Scan)	H	125	0	74	-18	Pass	Noise Floor
4961.065	50.4	7.5	-4.2	53.7	Peak(Scan)	V	100	361	74	-20.3	Pass	
4802.044	50.5	7.3	-3.9	53.9	Peak(Scan)	H	100	361	74	-20.1	Pass	
7813.727	41	9.6	1.9	52.5	Peak(Scan)	V	100	361	74	-21.5	Pass	

Subtest Number: 33478 - 7		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz		
Subtest Result	Pass		
Highest Frequency	18000.0		
Lowest Frequency	1000.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

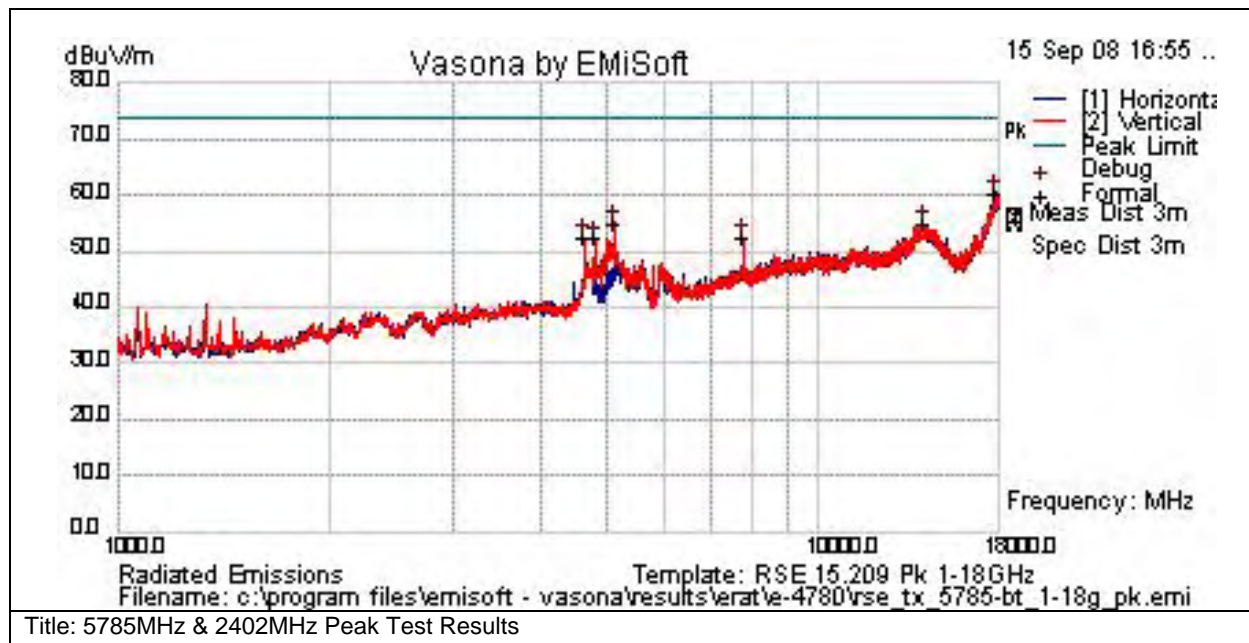


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5120.062	48.7	7.8	-3.8	52.6	Av	V	101	164	54	-1.4	Pass	
4799.911	48.4	7.3	-3.9	51.8	Av	V	109	165	54	-2.2	Pass	
7812.148	39.4	9.6	1.9	50.8	Av	V	100	146	54	-3.2	Pass	
17957.58	22.8	16.2	11.5	50.5	Peak(Scan)	V	100	0	54	-3.5	Pass	Noise Floor
4960.098	46.4	7.5	-4.2	49.8	Av	V	133	157	54	-4.2	Pass	
4640.026	44.6	7.2	-4.1	47.7	Av	V	114	159	54	-6.3	Pass	
5039.909	42	7.6	-4.1	45.5	Av	V	101	133	54	-8.5	Pass	

Subtest Number: 33478 - 8		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz		
Subtest Result	Pass		
Highest Frequency	18000.0		
Lowest Frequency	1000.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

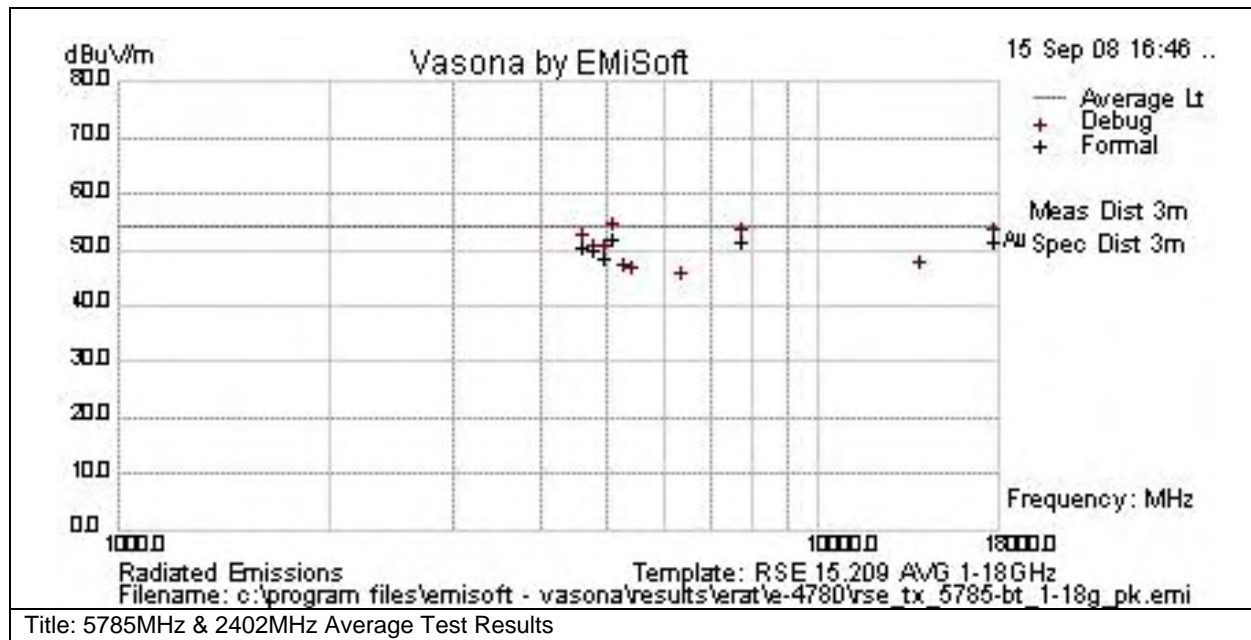


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
17872.739	32.4	16.8	11.3	60.5	Peak(Scan)	H	100	0	74	-13.5	Pass	Noise Floor
14054.897	35	12.9	7.1	55	Peak(Scan)	V	100	0	74	-19	Pass	Noise Floor
5120.087	51.1	7.7	-3.8	54.9	Peak(Scan)	V	100	0	74	-19.1	Pass	
4802.021	48.8	7.3	-3.9	52.3	Peak(Scan)	V	102	360	74	-21.7	Pass	
7813.834	40.7	9.7	1.9	52.3	Peak(Scan)	V	102	360	74	-21.7	Pass	
4637.807	49.3	7.2	-4.2	52.3	Peak(Scan)	H	102	360	74	-21.7	Pass	

Subtest Number: 33478 - 9		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 1 - 18GHz		
Subtest Result	Pass		
Highest Frequency	0.0		
Lowest Frequency	0.0		

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

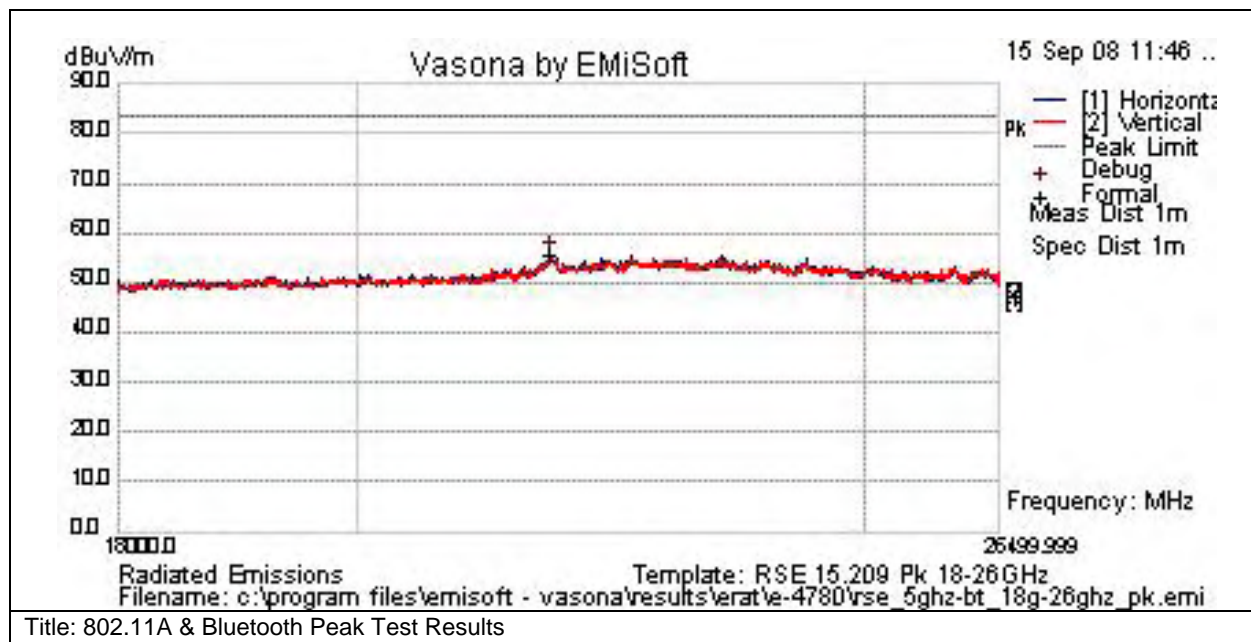


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
5119.97	48.3	7.7	-3.8	52.1	Av	V	100	134	54	-1.9	Pass	
17904.554	23	16.9	11.5	51.5	NA	H	100	0	54	-2.5	Pass	Noise Floor
7811.921	39.8	9.7	1.9	51.3	Av	V	101	144	54	-2.7	Pass	
4639.952	47.3	7.2	-4.1	50.3	Av	V	114	168	54	-3.7	Pass	
4800.067	46.4	7.3	-3.9	49.9	Av	V	117	152	54	-4.1	Pass	
4959.827	44.9	7.6	-4.2	48.3	Av	V	102	155	54	-5.7	Pass	

Subtest Number: 33478 - 10		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 18 to 26.5GHz	
Subtest Result	Pass	
Highest Frequency	26499.999	
Lowest Frequency	18000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

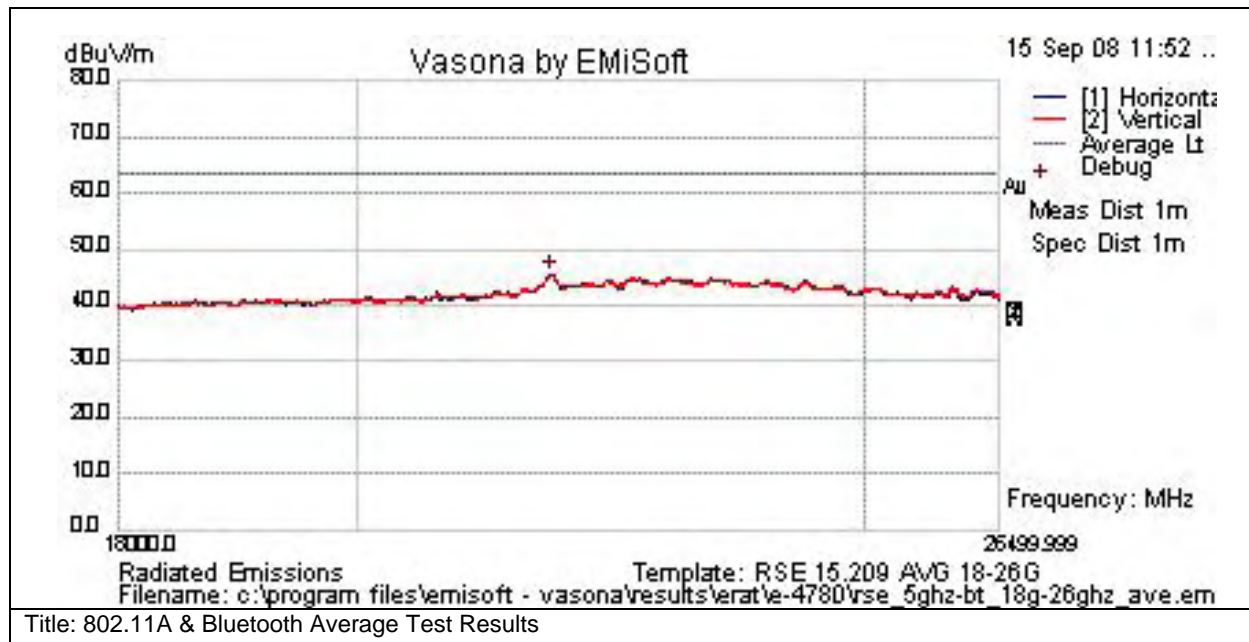


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
21773.253	38	0	17.5	55.5	Peak(Scan)	V	100	0	83.5	-28	Pass	Noise Floor

Subtest Number: 33478 - 11		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 18 to 26.5GHz	
Subtest Result	Pass	
Highest Frequency	26499.999	
Lowest Frequency	18000.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
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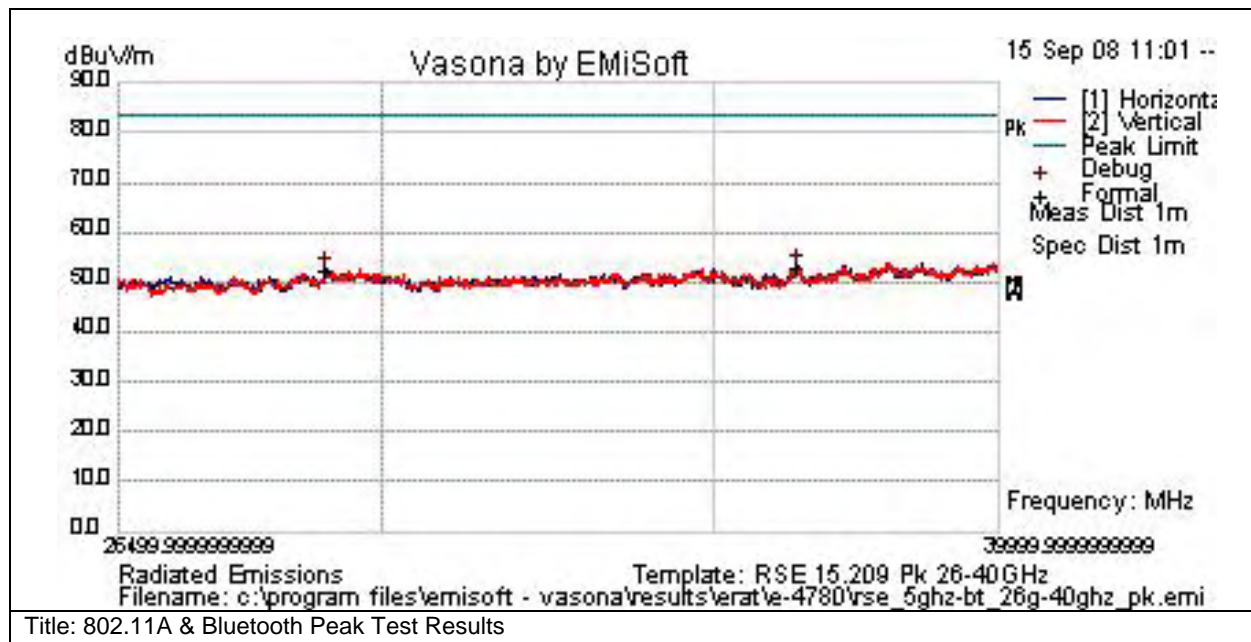


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
21773.046	28.03	0	17.5	45.56	Av	V	100	0	63.5	-17.94	Pass	Noise Floor

Subtest Number: 33478 - 12		Subtest Date: 25-Sep-2008
Engineer	Phillip Carranco	
Lab Information	Building I, 5m Anechoic	
Subtest Results		
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 26.5G to 40GHz	
Subtest Result	Pass	
Highest Frequency	40000.0	
Lowest Frequency	26500.0	

Graphical Test Results

Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



Test Results Table

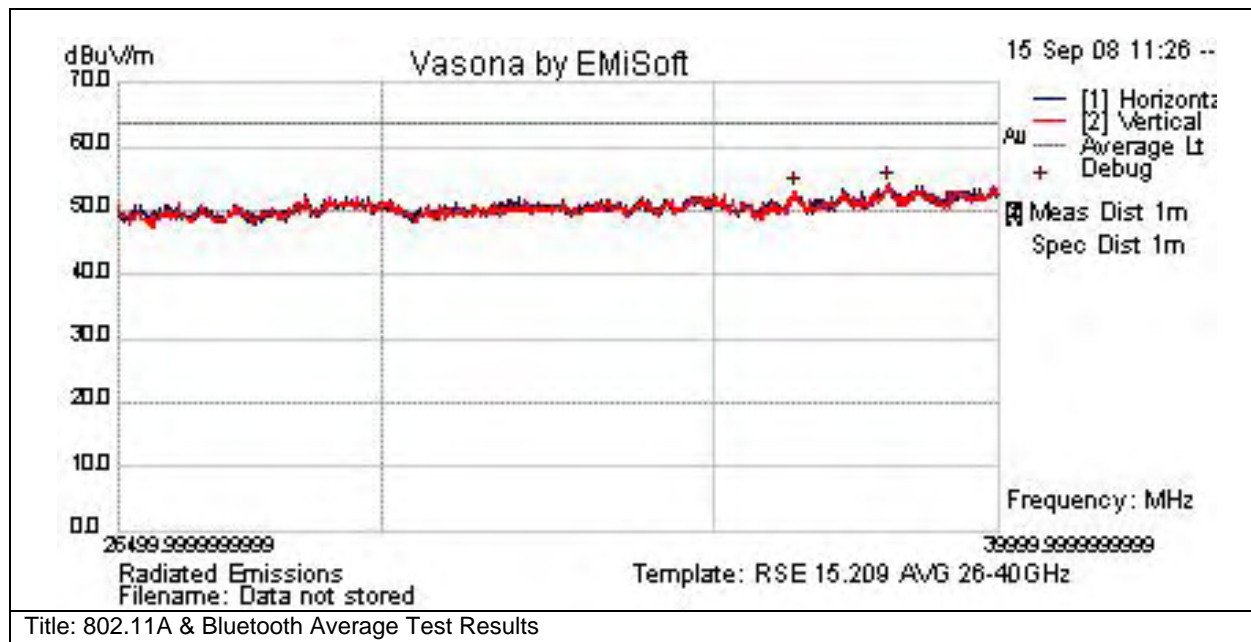


Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
36443.072	52.2	0	0.8	53	Peak(Scan)	H	99	-1	83.5	-30.5	Pass	Noise Floor
29220.486	55.3	0	-2.8	52.5	Peak(Scan)	H	99	-1	83.5	-31	Pass	Noise Floor

Subtest Number: 33478 - 13		Subtest Date: 25-Sep-2008	
Engineer	Phillip Carranco		
Lab Information	Building I, 5m Anechoic		
Subtest Results			
Subtest Title	Radiated Spurious Emissions Results for 802.11A & Bluetooth from 26.5 to 40GHz		
Subtest Result	Pass		
Highest Frequency	40000.0		
Lowest Frequency	26500.0		

Graphical Test Results

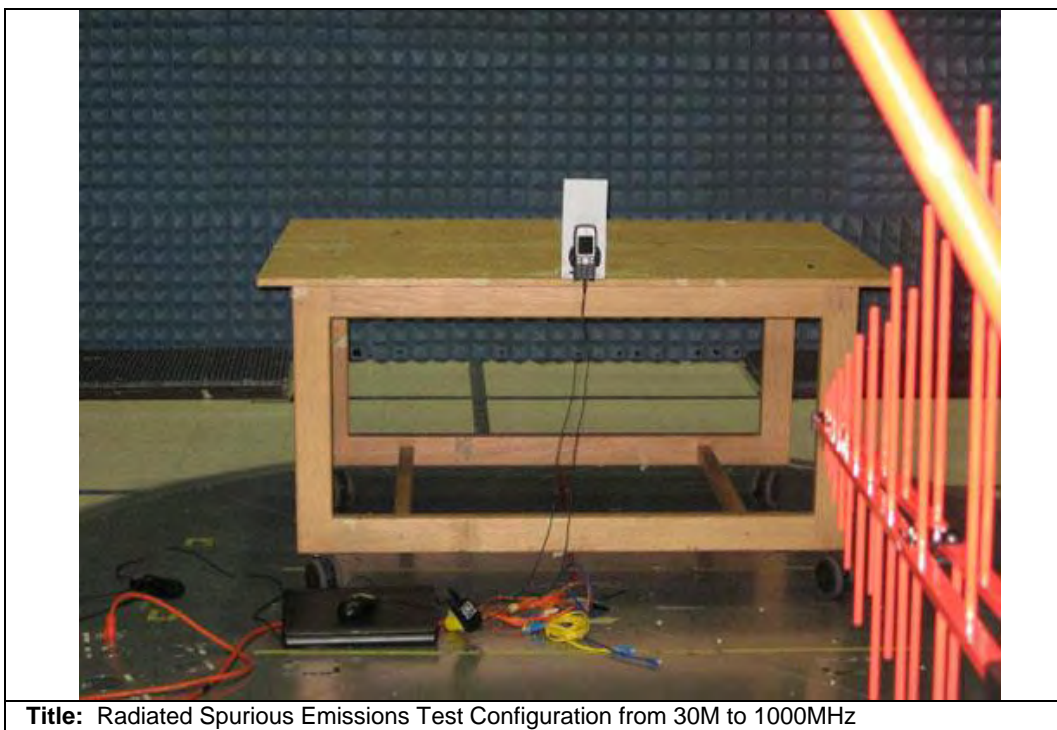
Note that the data displayed on the plots detailed in this appendix were measured using a 'Peak Detector'. Please refer to the results table for the detectors used during formal measurements



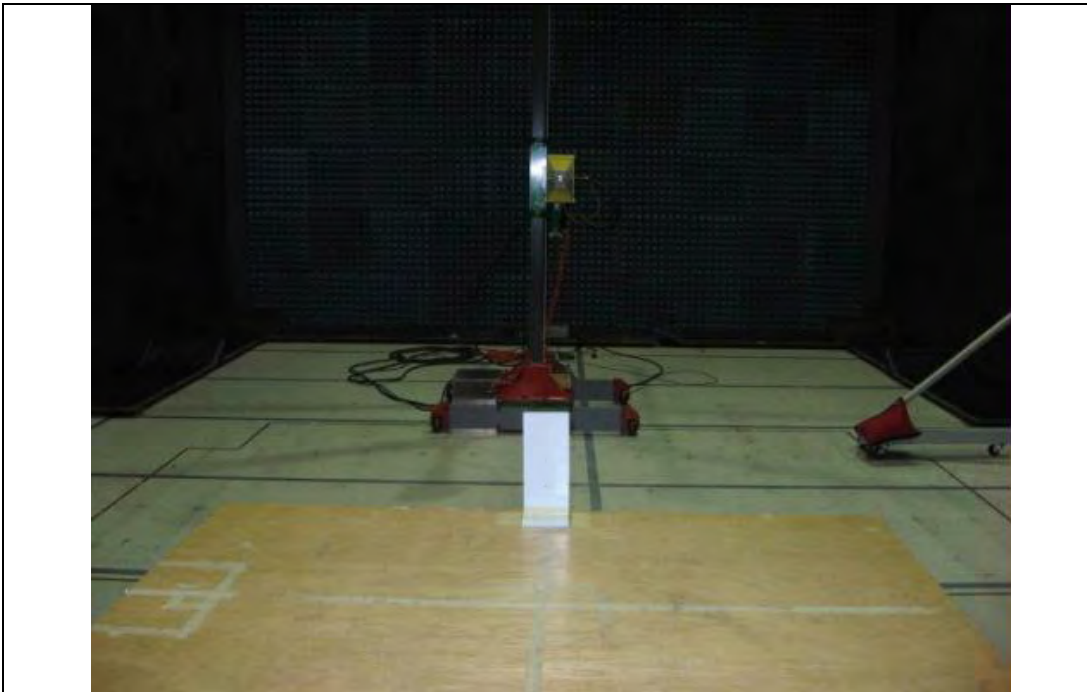
Test Results Table

Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail	Comments
38000.392	53.8	0	0.4	54.2	Peak(Scan)	V	100	0	63.5	-9.3	Pass	Noise Floor
36373.814	52.2	0	0.9	53	Peak(Scan)	V	100	0	63.5	-10.5	Pass	Noise Floor

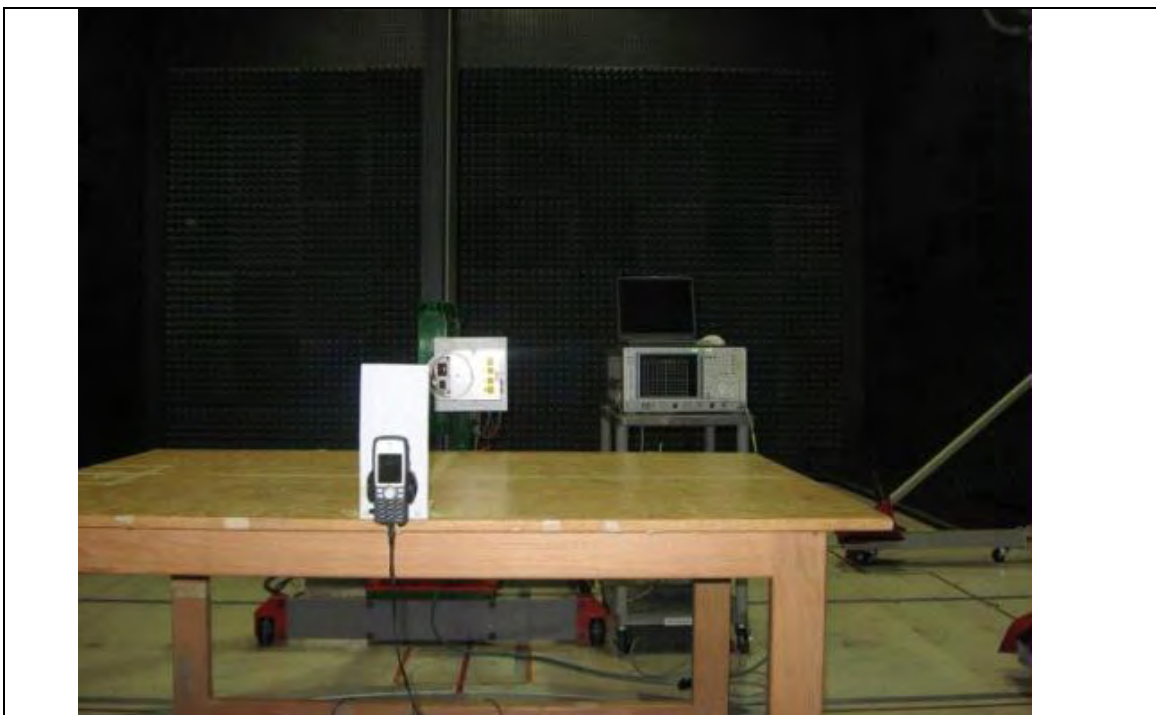
Physical Test arrangement Photograph:



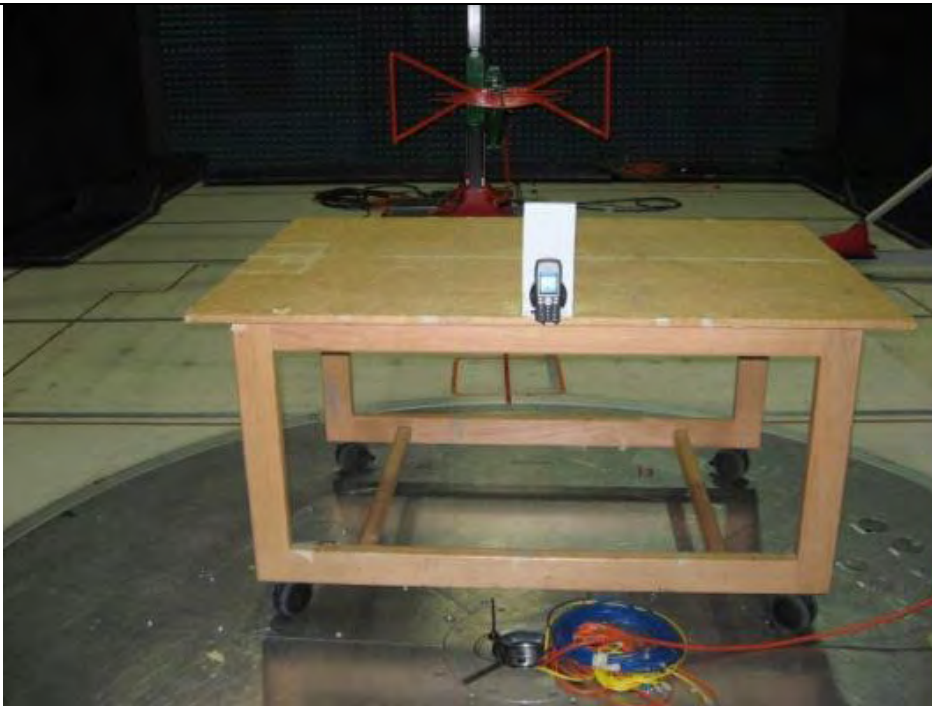
Title: Radiated Spurious Emissions Test Configuration from 30M to 1000MHz



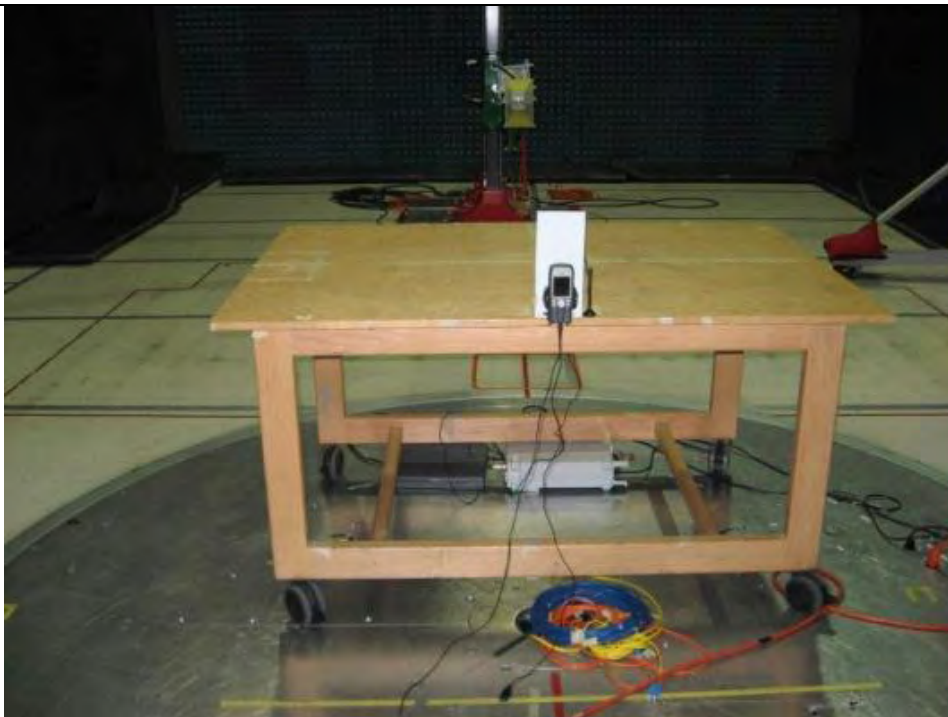
Title: Radiated Spurious Emissions 1G to 18GHz & Bandedge Test Configuration



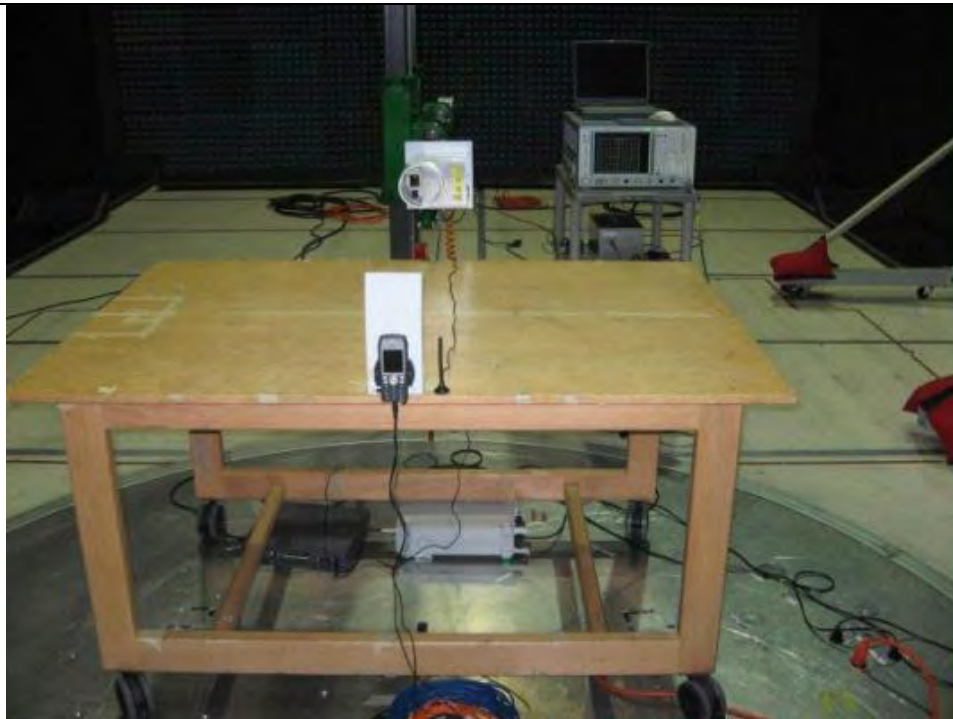
Title: Radiated Spurious Emissions Test Configuration from 18 to 40GHz



Title: Co-Locator Radiated Spurious Emissions Test Configuration from 30MHz to 1000MHz



Title: Co-Locator Radiated Spurious Emissions Test Configuration from 1 - 18GHz



Title: Co-Locator Radiated Spurious Emissions Test Configuration from 18 - 40GHz

Appendix B: Abbreviation Key and Definitions

The following table defines abbreviations used within this test report.

Abbreviation	Description	Abbreviation	Description
EMC	Electro Magnetic Compatibility	°F	Degrees Fahrenheit
EMI	Electro Magnetic Interference	°C	Degrees Celsius
EUT	Equipment Under Test	Temp	Temperature
ITE	Information Technology Equipment	S/N	Serial Number
TAP	Test Assessment Schedule	Qty	Quantity
ESD	Electro Static Discharge	emf	Electromotive force
EFT	Electric Fast Transient	RMS	Root mean square
EDCS	Engineering Document Control System	Qp	Quasi Peak
Config	Configuration	Av	Average
CIS#	Cisco Number (unique identification number for Cisco test equipment)	Pk	Peak
Cal	Calibration	kHz	Kilohertz (1×10^3)
EN	European Norm	MHz	MegaHertz (1×10^6)
IEC	International Electro technical Commission	GHz	Gigahertz (1×10^9)
CISPR	International Special Committee on Radio Interference	H	Horizontal
CDN	Coupling/Decoupling Network	V	Vertical
LISN	Line Impedance Stabilization Network	dB	decibel
PE	Protective Earth	V	Volt
GND	Ground	kV	Kilovolt (1×10^3)
L1	Line 1	μ V	Microvolt (1×10^{-6})
L2	Line2	A	Amp
L3	Line 3	μ A	Micro Amp (1×10^{-6})
DC	Direct Current	mS	Milli Second (1×10^{-3})
RAW	Uncorrected measurement value, as indicated by the measuring device	μ S	Micro Second (1×10^{-6})
RF	Radio Frequency	μ S	Micro Second (1×10^{-6})
SLCE	Signal Line Conducted Emissions	m	Meter
Meas dist	Measurement distance	Spec dist	Specification distance
N/A or NA	Not Applicable	SL	Signal Line (or Telecom Line)
P	Power Line	L	Live Line
N	Neutral Line	R	Return
S	Supply	AC	Alternating Current



Appendix C: Test Equipment Used to perform the test

Equip#	Manufacturer/ Model	Description	Last Cal	Next Due
041987	Murata Electronics MXGS83RK3000	Special Radio Test Adaptor Cable	10-MAY-08	10-MAY-09
034974	Midwest Microwave ATT-0640-20-29M-02	Attenuator, 20dB, DC- 40GHz	15-MAY-08	15-MAY-09
036716	Cisco RF Coaxial Cable-SMA	Radio Test Cable, SMA-SMA	14-Dec-08	14-Dec-09
040514	Agilent E4440A	Precision Spectrum Analyzer	16-Apr-08	16-Apr-09
008024	Huber + Suhner SF106A	3 meter Sucoflex cable	13-Nov-08	13-Nov-09
030443	Micro-Coax UFB311A-0-1560-520520	RF Coaxial Cable, to 18GHz, 156 In.	13-Nov-08	13-Nov-09
033602	Midwest Microwave CSY-NMNM-80-273001	RF Coaxial Cable, 27ft. to 18GHz	13-Nov-08	13-Nov-09
039114	Sunol Sciences JB1	Combination Antenna	19-Dec-08	19-Dec-09
040523	Rohde & Schwarz ESCI	EMI Test Receiver	26-Jun-08	26-Jun-09
002119	EMC Test Systems 3115	Double Ridged Guide Horn Antenna	03-Jun-08	03-Jun-09
008081	Huber + Suhner SF106A	1m Sucoflex cable	13-Nov-08	13-Nov-09
005691	Miteq NSP1800-25-S1	Broadband Preamplifier (1-18GHz)	09-Oct-08	09-Oct-09
035613	Micro-Tronics BRM50702-02	Notch Filter, SB:2.4- 2.5GHz, to 18GHz	12-Jun-08	12-Jun-09
042000	Agilent E4440A	Spectrum Analyzer	04-Jun-08	04-Jun-09
024201	Rohde & Schwarz FSEK30	EMI Test Receiver	20-Nov-07	20-Nov-08
028072	CISCO 1840	18-40GHz EMI Test Fixture	03-Oct-07	03-Oct-08
021608	Micro-Coax UFB142A-1-1572-200-200	RF Coax Cable to 40GHz, 157.2in	03-Oct-07	03-Oct-08
043023	Anritsu MT8852B	Bluetooth Test Set	04-Aug-08	04-Aug-09

Appendix D: Test Procedures

Measurements were made in accordance with

- FCC docket #: DA-02-2138A1
- KDB Publication No. 558074
- Measurement method of spurious emission tolerance to the International Telecommunication Union (ITU) Recommendation SM329.
- ANSI C63.4
- ANSI PC63.10/D8

Test procedures are summarized below

6dB Bandwidth	EDCS # - 422115
26dB Bandwidth	EDCS # - 422115
Average Output Power	EDCS # - 422117
Co-Located Transmitter	EDCS # - 422118
Conducted Spurious Test	EDCS # - 422119
Peak Transmit Power Measurement	EDCS # - 422123
Power Spectral Density	EDCS # - 422113
Peak Excursion Test	EDCS # - 422121
Radiated Band Edge	EDCS # - 422124
Radiated Spurious Test	EDCS # - 422125