

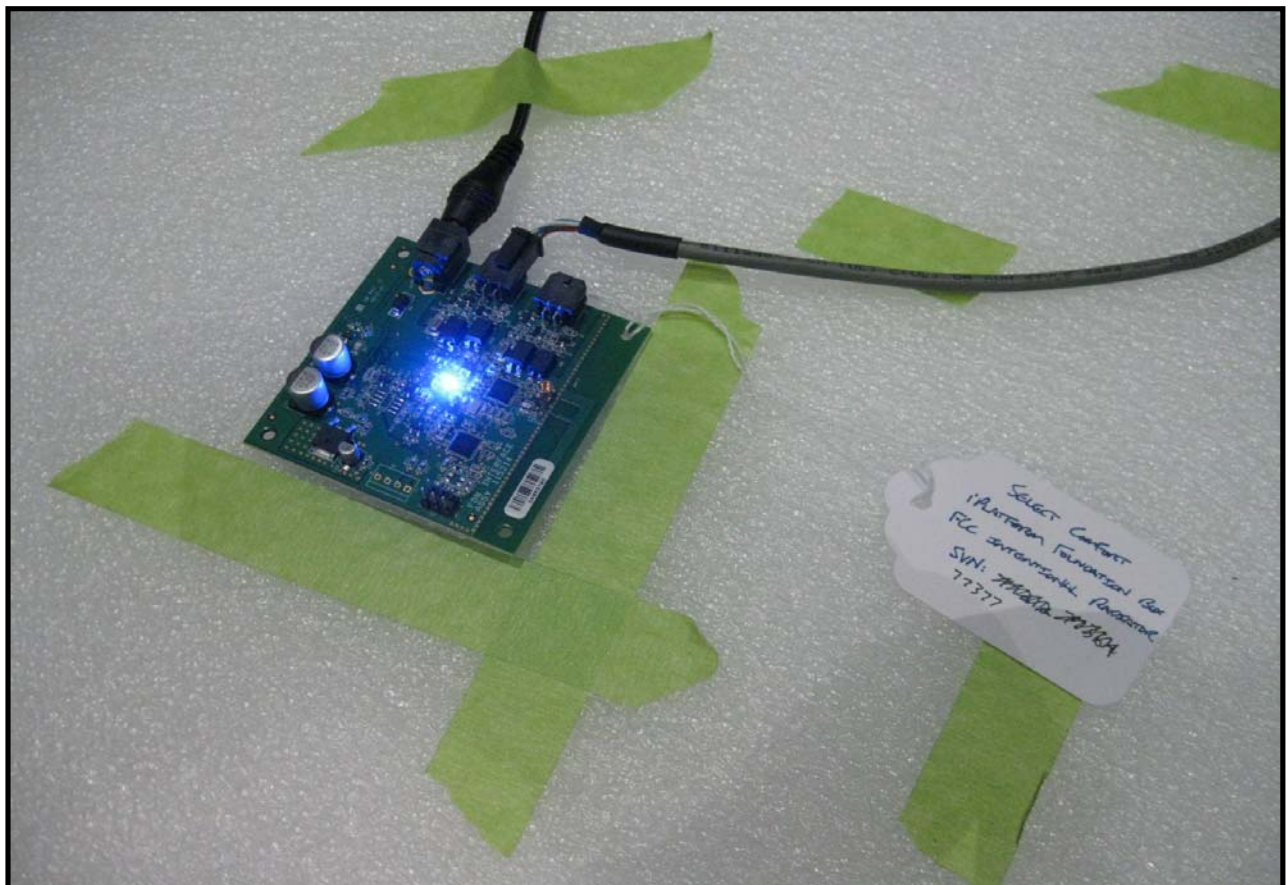
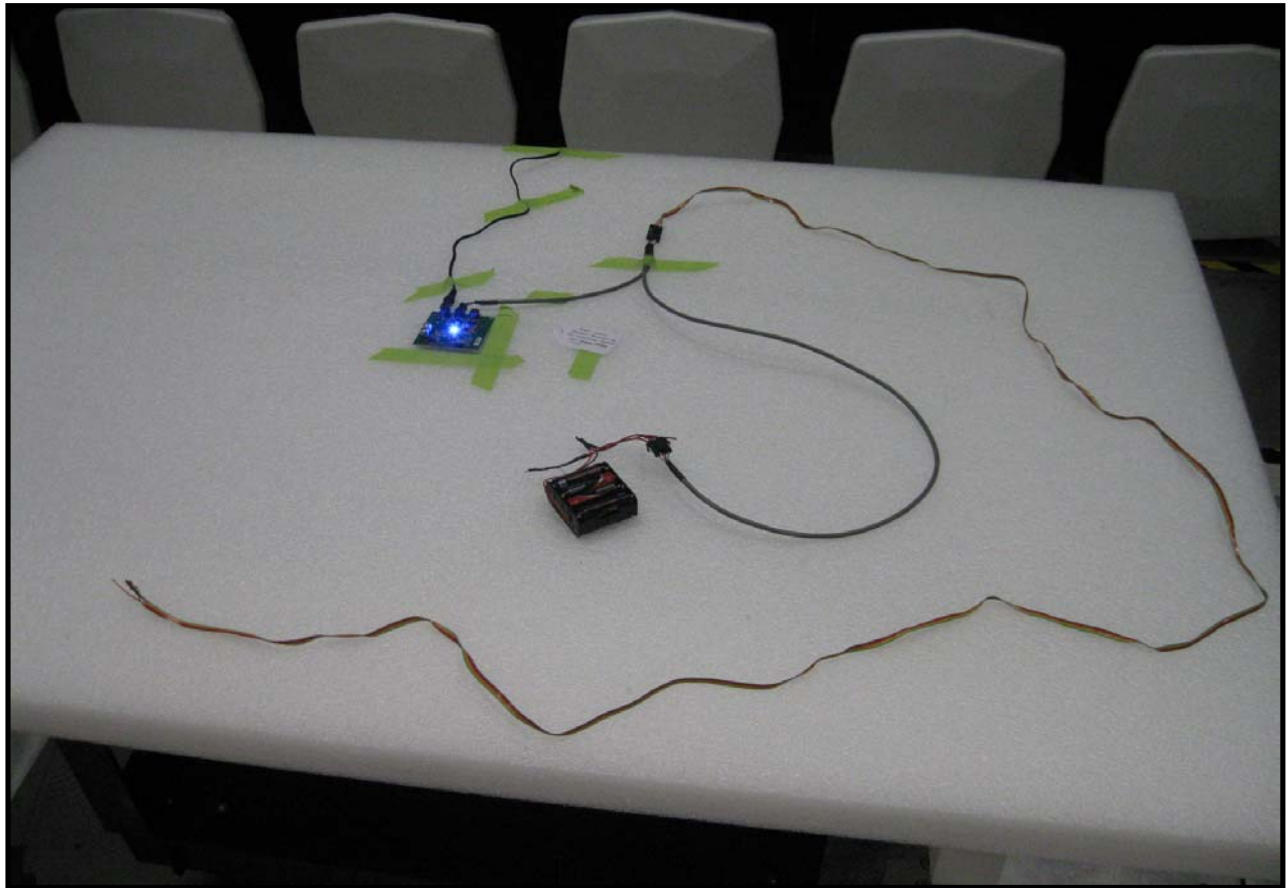


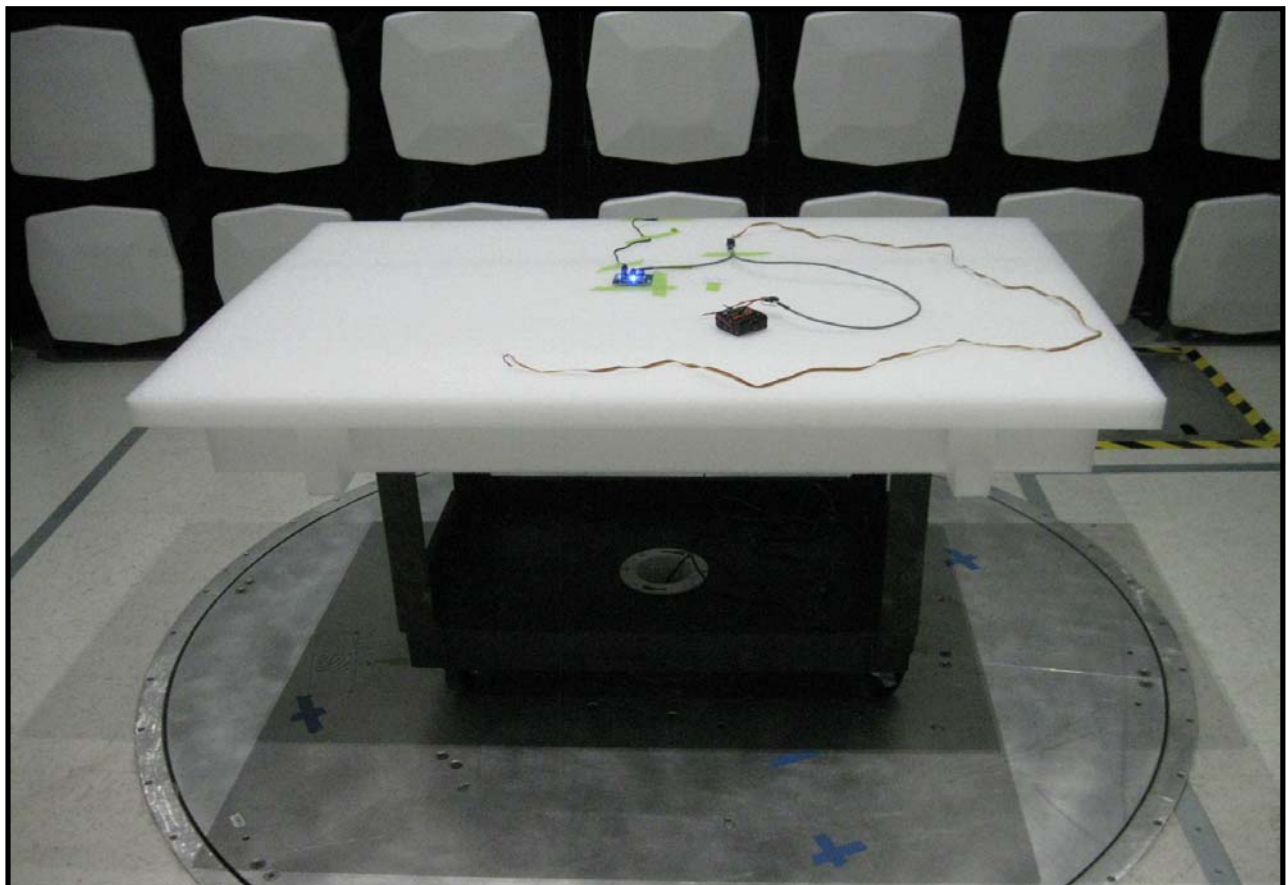
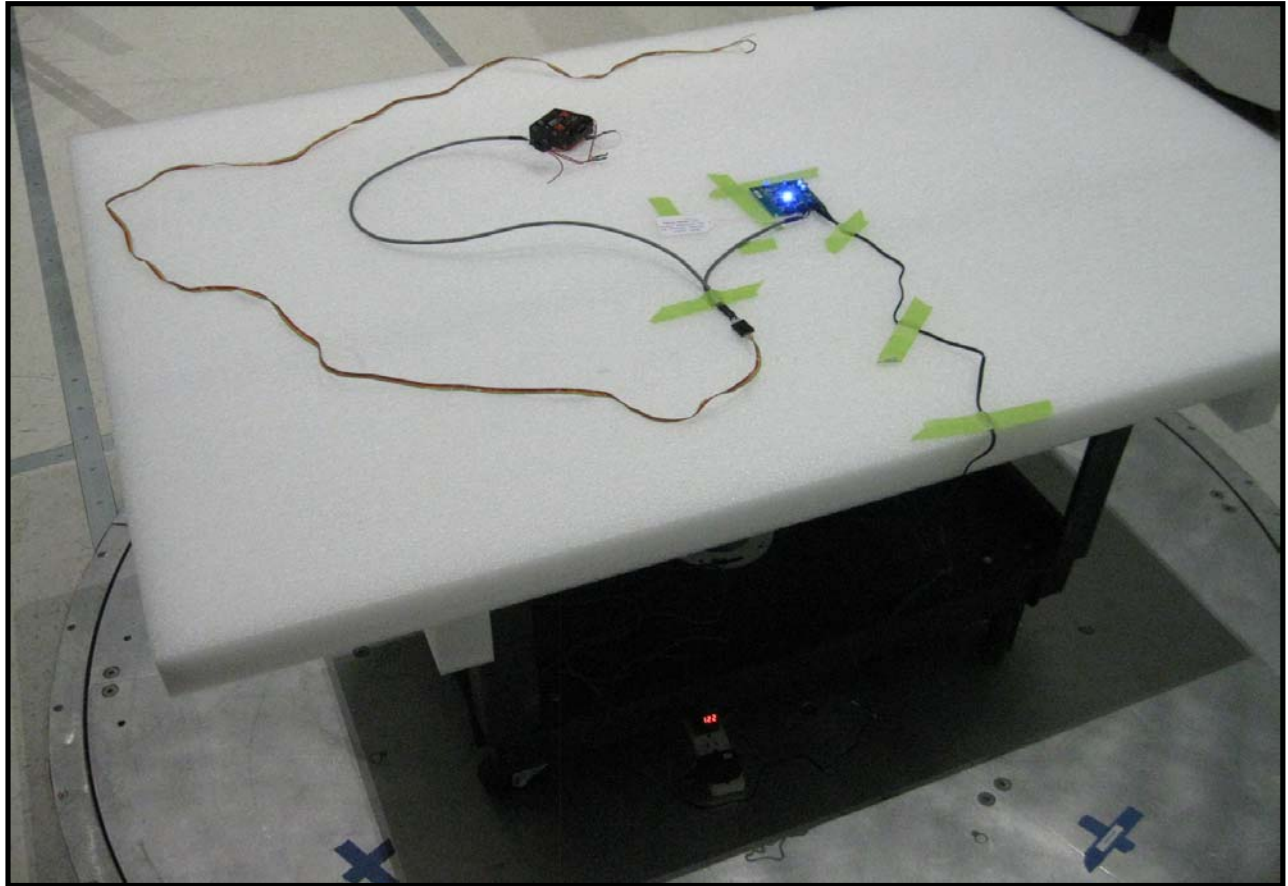












Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

MODES OF OPERATION

Transmitting modulated signal at High Channel 2480 MHz.
 Transmitting modulated signal at Mid Channel 2450 MHz.
 Transmitting modulated signal at Low Channel 2405 MHz.

POWER SETTINGS INVESTIGATED

120VAC/60Hz

CONFIGURATIONS INVESTIGATED

SECF0001 - 4

SAMPLE CALCULATIONS

Conducted Emissions: Adjusted Level = Measured Level + Transducer Factor + Cable Attenuation Factor + External Attenuator

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval
MN03 Cables	ESM Cable Corp.	Conducted Cables	MNC	6/8/2010	13 mo
Attenuator, 20 dB	SM Electronics	SA01B-20	REF	1/3/2011	13 mo
High Pass Filter	TTE	H97-100K-50-720B	HGN	6/28/2010	13 mo
Receiver	Rohde & Schwarz	ESCI	ARF	3/30/2010	12 mo
LISN	Solar Electronics	9252-50-R-24-BNC	LIY	8/3/2010	12 mo

MEASUREMENT BANDWIDTHS

Frequency Range	Peak Data	Quasi-Peak Data	Average Data
(MHz)	(kHz)	(kHz)	(kHz)
0.01 - 0.15	1.0	0.2	0.2
0.15 - 30.0	10.0	9.0	9.0
30.0 - 1000	100.0	120.0	120.0
Above 1000	1000.0	N/A	1000.0

Measurements were made using the bandwidths and detectors specified. No video filter was used.

MEASUREMENT UNCERTAINTY

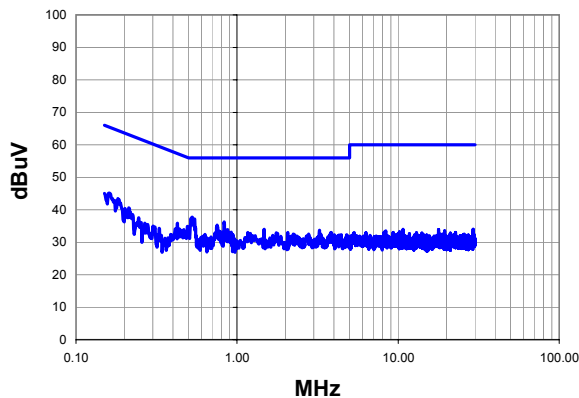
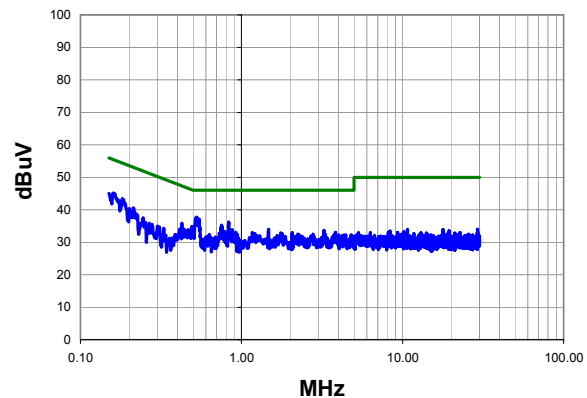
A measurement uncertainty estimation has been performed for each test per our internal quality document WP 342. The estimation is used to compare the measured result with its "true" or theoretically correct value. The expanded measurement uncertainty for radiated emissions measurements is less than +/- 4 dB, and for conducted emissions measurements is less than +/- 2.7 dB. Our measurement data meets or exceeds the measurement uncertainty requirements of CISPR 16-4; therefore, the test data can be compared directly to the specification limit to determine compliance. The calculations for measurement uncertainty are available upon request.

TEST DESCRIPTION

The EUT will be powered either directly or indirectly from the AC power line. Therefore, conducted emissions measurements were made on the AC input of the EUT, or on the AC input of the device used to power the EUT. The AC power line conducted emissions were measured with the EUT operating at the lowest, the highest, and a middle channel in the operational band. The EUT was transmitting at its maximum data rate. For each mode, the spectrum was scanned from 150 kHz to 30 MHz. The test setup and procedures were in accordance with ANSI C63.10-2009.

EMC**AC Powerline Conducted Emissions**

Work Order:	SECF0001	Date:	01/19/11	<i>Trevor Buls</i>			
Project:	None	Temperature:	23.52°C				
Job Site:	MN03	Humidity:	7.72				
Serial Number:	3A863790	Barometric Pres.:	1022.7	Tested by: Trevor Buls			
EUT:	Adjustable Foundation Interface						
Configuration:	4						
Customer:	Select Comfort Corporation						
Attendees:	Paul Mahoney						
EUT Power:	120VAC/60Hz						
Operating Mode:	Transmitting modulated signal at Low Channel 2405 MHz.						
Deviations:	None						
Comments:	None						
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009				
Run #	1	Line:	High Line	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

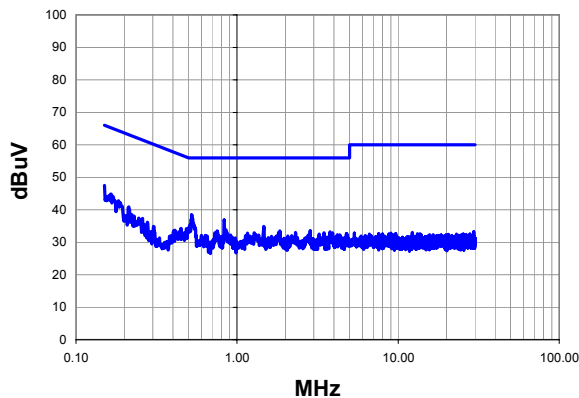
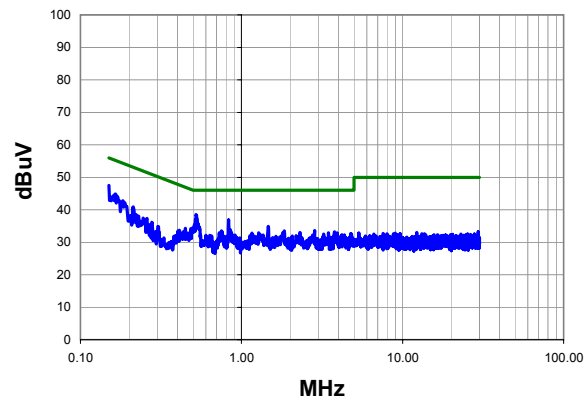
Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.527	17.6	20.1	37.7	56.0	-18.3
0.833	16.2	20.1	36.3	56.0	-19.7
0.160	25.0	20.1	45.1	65.5	-20.4
0.752	15.2	20.1	35.3	56.0	-20.7
0.182	23.3	20.1	43.4	64.4	-21.0
0.150	24.9	20.1	45.0	66.0	-21.0
0.492	14.8	20.1	34.9	56.1	-21.2
0.427	15.8	20.1	35.9	57.3	-21.4
1.472	13.8	20.1	33.9	56.0	-22.1
0.872	13.8	20.1	33.9	56.0	-22.1
3.248	13.5	20.2	33.7	56.0	-22.3
0.213	20.5	20.1	40.6	63.1	-22.5
0.920	13.0	20.1	33.1	56.0	-22.9
1.168	12.9	20.1	33.0	56.0	-23.0
2.064	12.8	20.2	33.0	56.0	-23.0
3.832	12.8	20.2	33.0	56.0	-23.0
1.752	12.7	20.2	32.9	56.0	-23.1
0.815	12.7	20.1	32.8	56.0	-23.2
0.414	14.0	20.1	34.1	57.6	-23.5
2.232	12.3	20.2	32.5	56.0	-23.5

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.527	17.6	20.1	37.7	46.0	-8.3
0.833	16.2	20.1	36.3	46.0	-9.7
0.160	25.0	20.1	45.1	55.5	-10.4
0.752	15.2	20.1	35.3	46.0	-10.7
0.182	23.3	20.1	43.4	54.4	-11.0
0.150	24.9	20.1	45.0	56.0	-11.0
0.492	14.8	20.1	34.9	46.1	-11.2
0.427	15.8	20.1	35.9	47.3	-11.4
1.472	13.8	20.1	33.9	46.0	-12.1
0.872	13.8	20.1	33.9	46.0	-12.1
3.248	13.5	20.2	33.7	46.0	-12.3
0.213	20.5	20.1	40.6	53.1	-12.5
0.920	13.0	20.1	33.1	46.0	-12.9
1.168	12.9	20.1	33.0	46.0	-13.0
2.064	12.8	20.2	33.0	46.0	-13.0
3.832	12.8	20.2	33.0	46.0	-13.0
1.752	12.7	20.2	32.9	46.0	-13.1
0.815	12.7	20.1	32.8	46.0	-13.2
0.414	14.0	20.1	34.1	47.6	-13.5
2.232	12.3	20.2	32.5	46.0	-13.5

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EUT:	Adjustable Foundation Interface						
Configuration:	4						
Customer:	Select Comfort Corporation						
Attendees:	Paul Mahoney						
EUT Power:	120VAC/60Hz						
Operating Mode:	Transmitting modulated signal at Low Channel 2405 MHz.						
Deviations:	None						
Comments:	None						
Test Specifications FCC 15.207:2011			Test Method ANSI C63.10:2009				
Run #	3	Line:	Neutral	Ext. Attenuation:	20	Results	Pass

Peak Data - vs - Quasi Peak Limit**Peak Data - vs - Average Limit****Peak Data - vs - Quasi Peak Limit**

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.522	18.4	20.1	38.5	56.0	-17.5
0.150	27.4	20.1	47.5	66.0	-18.5
0.832	16.8	20.1	36.9	56.0	-19.1
1.464	14.7	20.1	34.8	56.0	-21.2
0.184	22.7	20.1	42.8	64.3	-21.5
0.485	14.1	20.1	34.2	56.3	-22.1
0.213	20.8	20.1	40.9	63.1	-22.2
2.840	13.4	20.2	33.6	56.0	-22.4
1.840	13.3	20.2	33.5	56.0	-22.5
0.752	13.4	20.1	33.5	56.0	-22.5
0.449	14.2	20.1	34.3	56.9	-22.6
3.776	13.0	20.2	33.2	56.0	-22.8
2.304	12.8	20.2	33.0	56.0	-23.0
1.280	12.8	20.1	32.9	56.0	-23.1
3.472	12.7	20.2	32.9	56.0	-23.1
1.160	12.7	20.1	32.8	56.0	-23.2
4.776	12.4	20.2	32.6	56.0	-23.4
3.240	12.3	20.2	32.5	56.0	-23.5
4.192	12.1	20.2	32.3	56.0	-23.7
4.352	12.0	20.2	32.2	56.0	-23.8

Peak Data - vs - Average Limit

Freq (MHz)	Amplitude (dBuV)	Factor (dB)	Adjusted (dBuV)	Spec. Limit (dBuV)	Compared to Spec. (dB)
0.522	18.4	20.1	38.5	46.0	-7.5
0.150	27.4	20.1	47.5	56.0	-8.5
0.832	16.8	20.1	36.9	46.0	-9.1
1.464	14.7	20.1	34.8	46.0	-11.2
0.184	22.7	20.1	42.8	54.3	-11.5
0.485	14.1	20.1	34.2	46.3	-12.1
0.213	20.8	20.1	40.9	53.1	-12.2
2.840	13.4	20.2	33.6	46.0	-12.4
1.840	13.3	20.2	33.5	46.0	-12.5
0.752	13.4	20.1	33.5	46.0	-12.5
0.449	14.2	20.1	34.3	46.9	-12.6
3.776	13.0	20.2	33.2	46.0	-12.8
2.304	12.8	20.2	33.0	46.0	-13.0
1.280	12.8	20.1	32.9	46.0	-13.1
3.472	12.7	20.2	32.9	46.0	-13.1
1.160	12.7	20.1	32.8	46.0	-13.2
4.776	12.4	20.2	32.6	46.0	-13.4
3.240	12.3	20.2	32.5	46.0	-13.5
4.192	12.1	20.2	32.3	46.0	-13.7
4.352	12.0	20.2	32.2	46.0	-13.8

