AS/NZS EMC Test Report

Project No.	:	1412C185
Equipment	:	IP Phone
Model Name	:	X3; X3P
Applicant	:	Fanvil Technology Co.,Ltd
Address	:	3F, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1st Rd. 35th Dist., Bao'An, Shenzhen, 518101, China

Date of Receipt	:	Dec. 12, 2014
Date of Test	:	Dec. 12, 2014 ~ Feb. 14, 2015
Issued Date	:	Feb. 16, 2015
Tested by	:	BTL Inc.

Testing Engineer : (Lucky Mao)

Technical Manager : (James Chiu)

Authorized Signatory : (Steven Lu)

BTL INC.

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.

TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

Testing Laboratory 2640

Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**., or National Institute of Standards and Technology (**NIST**) of **U.S.A.**

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-RCM-1-1412C185	Original Issue.	Feb. 16, 2015

1. CERTIFICATION

Equipment	:	IP Phone
Trade Name	:	Fanvil
Model Name	:	X3; X3P
Applicant	:	Fanvil Technology Co.,Ltd
Manufacturer	:	Fanvil Technology Co.,Ltd
Address	:	3F, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1st Rd. 35th Dist., Bao'An, Shenzhen, 518101, China
Factory	:	Fanvil Technology Co.,Ltd
Address	:	3F, Block A, Gaoxinqi Building, Anhua Industrial Park, Qianjin 1st Rd. 35th Dist., Bao'An, Shenzhen, 518101, China
Date of Test	:	Dec. 12, 2014 ~ Feb. 14, 2015
Test Sample	:	ENGINEERING SAMPLE
Standard(s)	:	AS/NZS CISPR 22: 2009+A1:2010 / CISPR 22:2008

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-RCM-1-1412C185) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

EMC Emission				
Standard(s)	Test Item	Limit	Judgment	Remark
AS/NZS CISPR 22: 2009+A1:2010	Conducted Emission	Class B	PASS	
	Conducted Telecommunication ports	Class B	PASS	
	Radiated Emission	Class B	PASS	

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C01/DG-CB08** at the location of No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China. 523792.

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

The reported uncertainty of measurement **y ± U**, where expended uncertainty **U** is based on a standard uncertainty multiplied by a coverage factor of **k=2**, providing a level of confidence of approximately **95** % ◦

A. Conducted Measurement :

Test Site	Method	Measurement Frequency Range	U,(dB)	Note
DG-C01	CISPR	150 kHz ~ 30MHz	3.4	

B. Conducted Measurement :

Test Site	Method	Test item	U,(dB)	Note
DG-C01	CISPR	ISN	5.62	
		Capacitive Voltage Probe	2.56	
		RF Current Probe	1.58	

C. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)	Note
DG-CB08 (10m)	CISPR	30MHz ~ 200MHz	V	4.04	
		30MHz ~ 200MHz	H	4.04	
		200MHz ~ 1,000MHz	V	4.08	
		200MHz ~ 1,000MHz	H	4.02	

Test Site	Method	Measurement Frequency Range	U,(dB)	Note
DG-CB08 (3m)	CISPR	1~6 GHz	4.62	
		6~18 GHz	5.60	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	IP Phone
Trade Name	Fanvil
Model Name	X3; X3P
Model Difference	Only differ in power source. X3 with adapter only, X3P with both adapter and PoE.
Power Source	#1 DC voltage supplied from AC/DC adapter. (For X3; X3P) Manufacturer: SHENZHEN FRECOM ELECTRONICS CO., LTD. Model: F05W-050100SPAS #2 Supplied from PoE. (For X3P)
Power Rating	#1 I/P: 100-240V~50/60Hz 190mA O/P: DC 5V 1A #2 DC 48V

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The maximum operating frequency is 166MHz.

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

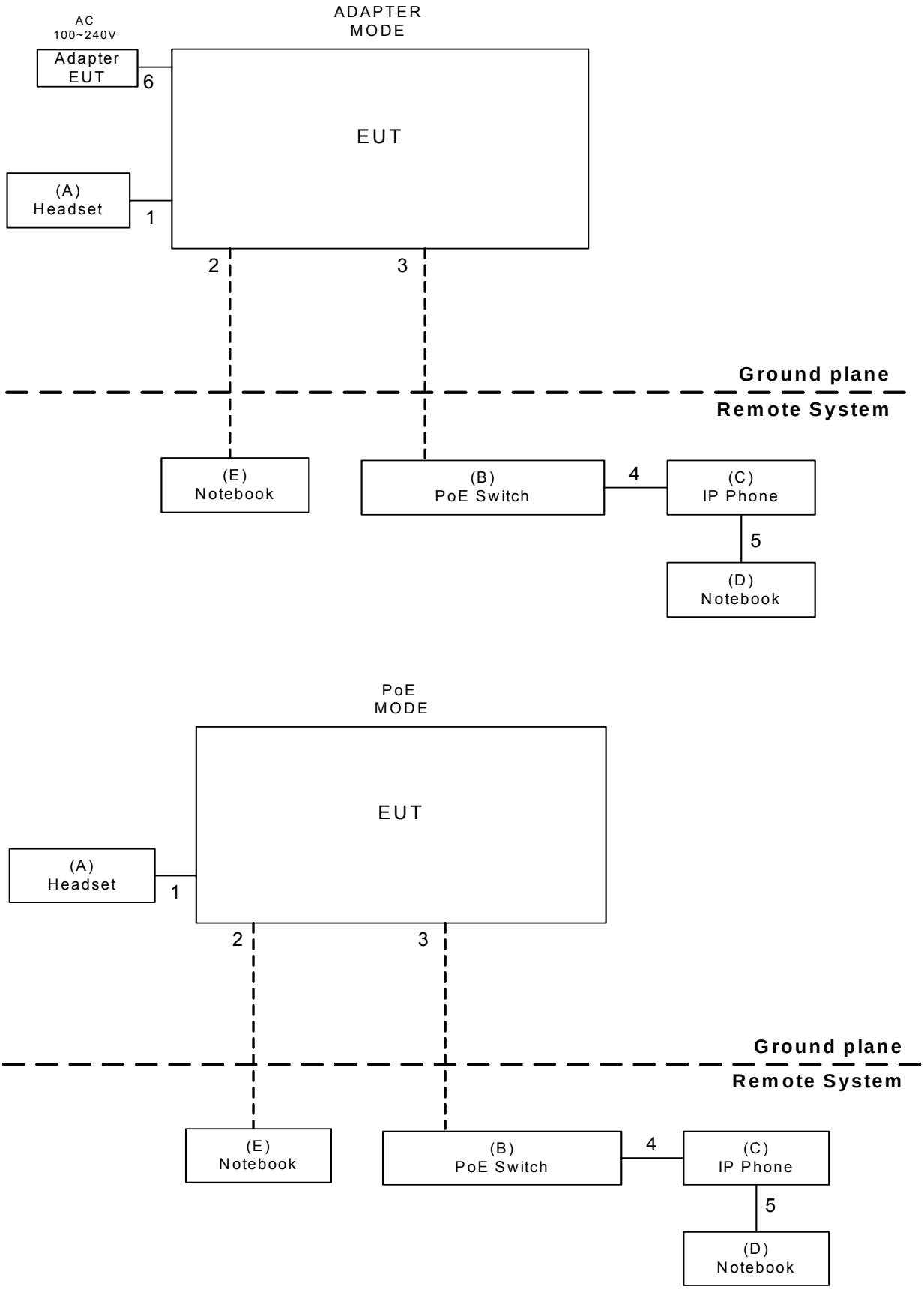
Pretest Mode	Description
Mode 1	Handfree
Mode 2	Handset
Mode 3	LAN(100Mbps)
Mode 4	LAN(10Mbps)
Mode 5	WAN(100Mbps)
Mode 6	WAN(10Mbps)

For Conducted Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset

For ISN Test	
Final Test Mode	Description
Mode 3	LAN(100Mbps)
Mode 4	LAN(10Mbps)
Mode 5	WAN(100Mbps)
Mode 6	WAN(10Mbps)

For Radiated Test	
Final Test Mode	Description
Mode 1	Handfree
Mode 2	Handset

3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.	Note
A	Headset	FANVIL	N/A	N/A	N/A	
B	PoE Switch	D-LINK	DGS-1008P	N/A	QB842D1000045	
C	IP Phone	FANVIL	X3P	N/A	N/A	
D	Notebook	HP	8460P	DOC	CNU1301BJ3	
E	Notebook	DELL	INSPIRON 1420	DOC	JX193A01SDC2	

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.8m	RJ11 cable
2	NO	NO	15m	RJ45 cable
3	NO	NO	15m	RJ45 cable
4	NO	NO	1m	RJ45 cable
5	NO	NO	1m	RJ45 cable
6	NO	NO	1.8m	DC cable

Note:

(1) The support equipment was authorized by Declaration of Conformity.
(2) For detachable type I/O cable should be specified the length in m in 『Length』 column.

4. EMC EMISSION TEST

4.1CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION (Frequency Range 150KHz-30MHz)

FREQUENCY (MHz)	Cla s A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value – Limit Value

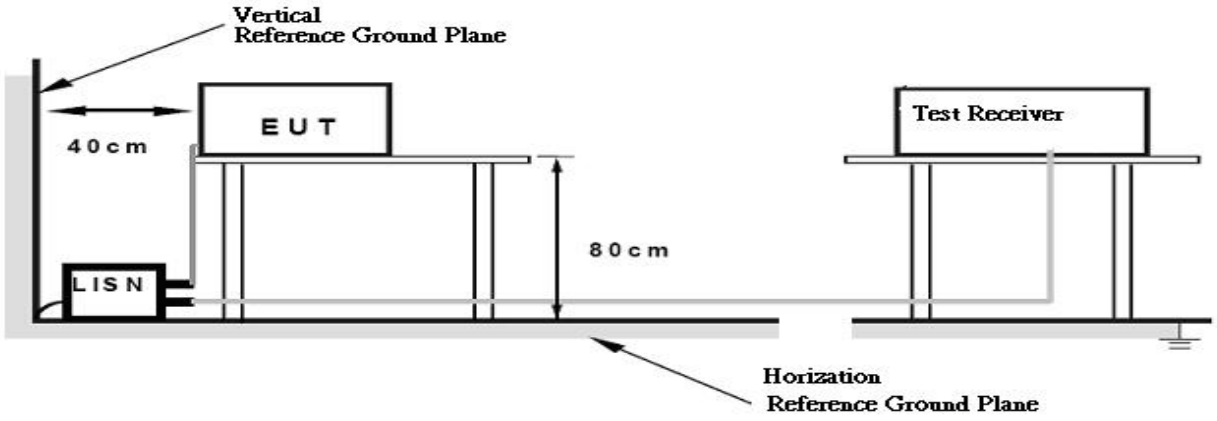
4.1.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50Uh of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. LISN at least 80 cm from nearest part of EUT chassis.
e. For the actual test configuration, please refer to the related Item –Block Diagram of system tested (please refer to 3.3).

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

The EUT exercise programused during radiated and/or conducted emission measurement was designed to exercise the various system components in a manner similar to a typical use.
Temperature: 21°C Relative Humidity: 51%

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz; SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.3 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.3 sec./MHz.
(2) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " * " marked in AVG Mode column of Interference Voltage Measured.
(3) Measuring frequency range from 150KHz to 30MHz.

4.2 CONDUCTED EMISSION MEASUREMENT AT TELECOMMUNICATION PORTS

4.2.1 LIMITS OF DISTURBANCE AT TELECOMMUNICATION PORTS

Voltage Limit:

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	97-87*	84-74*	87-74*	74-64*
0.5 -30.0	87	74	74	64

Current Limit:

FREQUENCY (MHz)	Class A (dBuA)		Class B (dBuA)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	53-43*	40-30*	40-30*	30-20*
0.5 -30.0	43	30	30	20

Note:

(1) The tighter limit applies at the band edges.

(2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

(3) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value – Limit Value

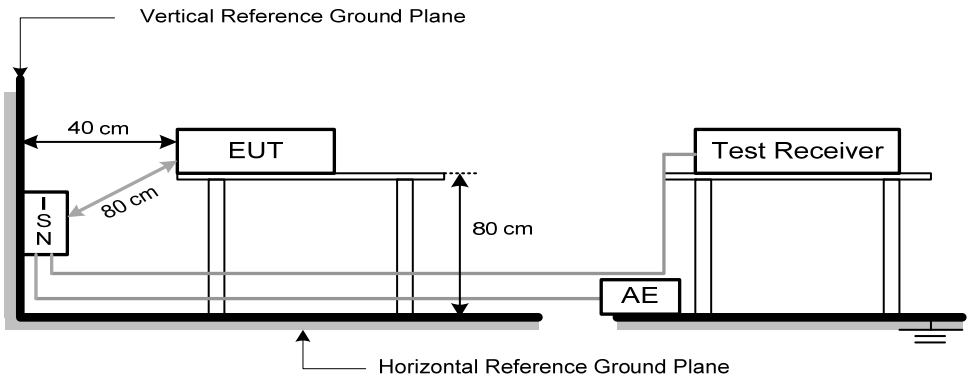
4.2.2 TEST PROCEDURE

a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
d. ISN at least 80 cm from nearest part of EUT chassis.
e. The communication function of EUT was executed and ISN was connected between EUT and associated equipment and the ISN was connected directly to reference ground plane.
f. For the actual test configuration, please refer to the related Item –Block Diagram of system tested (please refer to 3.3).

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

4.2.4 TEST SETUP



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.5** Unless otherwise a special operating condition is specified in the follows during the testing.
Temperature: 21°C Relative Humidity: 51%

4.2.6 TEST RESULTS

Please refer to the Attachment B.

Remark:

(1) Reading in which marked as QP means measurements by using are Quasi-Peak Mode with Detector BW=9KHz;SPA setting in RBW=10KHz,VBW =10KHz, Swp. Time = 0.2 sec./MHz. Reading in which marked as AV means measurements by using are Average Mode with instrument setting in RBW=10KHz,VBW=10KHz, Swp. Time =0.2 sec./MHz.
(2) Margin value = Measurement level – Limit value.
Correct factor = Insertion loss + Cable loss.
Measurement level = Correct factor + Reading level.
(3) Measuring frequency range from 150KHz to 30MHz.

4.3 RADIATED EMISSION MEASUREMENT

4.3.1 LIMITS

Below 1 GHz

FREQUENCY (MHz)	Class A (at 10m) dBuV/m	Class B (at 10m) dBuV/m
30 - 230	40	30
230 - 1000	47	37

NOTE:

(1) The limit for radiated test was performed according to as following:CISPR 22.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

Above 1 GHz

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	PEAK	AVERAGE	PEAK	AVERAGE
1000-3000	76	56	70	50
3000-6000	80	60	74	54

NOTE:

(1) The limit for radiated test was performed according to as following:CISPR 22.
(2) The tighter limit applies at the band edges.
(3) Emission level (dBuV/m)=20log Emission level (uV/m).
3m Emission level = 10m Emission level + 20log(10m/3m).
(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

FREQUENCYRANGE OF RADIATED MEASUREMENT (FOR UNINTENTIONAL RADIATORS)

Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5^{th} harmonic of the highest frequency or 6 GHz, whichever is lower

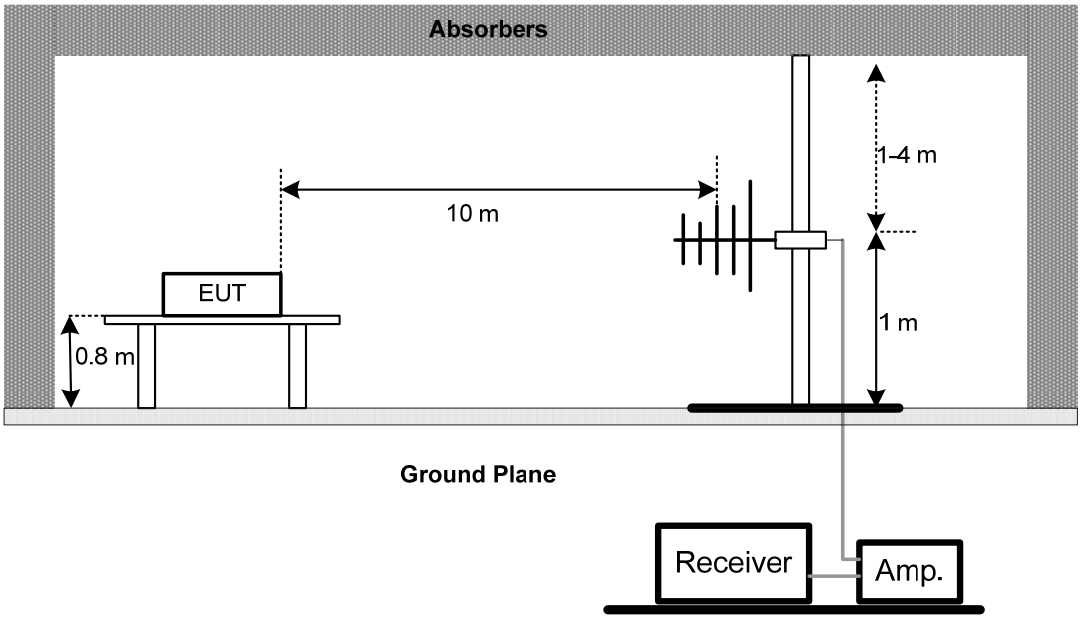
4.3.2 TEST PROCEDURE

a. The measuring distance of at 10 m shall be used for measurements at frequency below 1GHz. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1G)
c. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1G)
d. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
e. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
f. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
g. For the actual test configuration, please refer to the related Item –Block Diagram of system tested (please refer to 3.3).

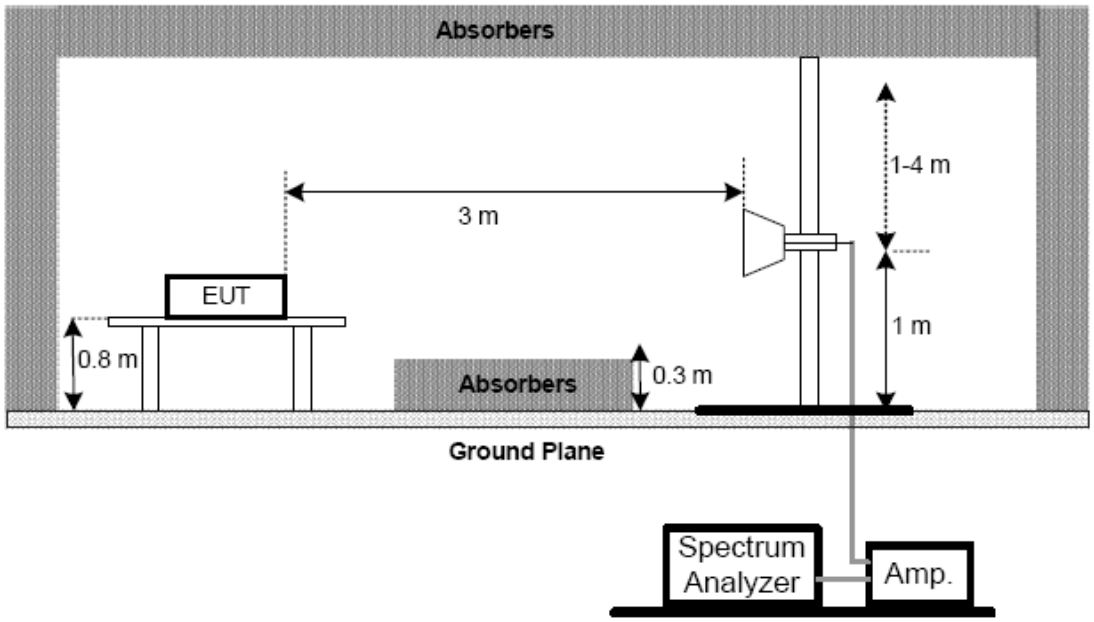
4.3.3 DEVIATION FROM TEST STANDARD

No deviation

4.3.4 TEST SETUP (BELOW 1000MHZ)



4.3.5 TEST SETUP (ABOVE 1000MHZ)



Note: The antenna can be moved between 1 to 4 meters above the ground.

4.3.6 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.5** Unless otherwise a special operating condition is specified in the follows during the testing.
Temperature: 24°C Relative Humidity: 62%

4.3.7 TEST RESULTS-30MHZ TO 1000MHZ

Please refer to the Attachment C.

Remark:

(1) Reading in which marked as QP or Peak means measurements by using are Quasi-Peak Mode or Peak Mode with Detector BW=120KHz; SPA setting in RBW=120KHz, VBW =120KHz, Swp. Time = 0.3 sec./MHz.
(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform.
(3) Measuring frequency range from 30MHz to 1000MHz.
(4) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

4.3.8 TEST RESULTS-ABOVE 1000MHZ

Please refer to the Attachment D.

Remark:

(1) Reading in which marked as Peak or AVG means measurements by using are Peak Mode or AVG with Detector BW=1MHz；SPA setting in RBW=1MHz, VBW =1MHz, Swp. Time = 0.3 sec./MHz, AVG Mode with detector BW=1MHz；SPA setting in RBW=1MHz, VBW =10Hz, Swp. Time = 0.3 sec./MHz。

(2) All readings are Peak unless otherwise stated QP in column of『Note』. Peak denotes that the Peak reading Compliance with the QP Limits and then QP Mode measurement didn't perform。

(3) Measuring frequency range from 1GHz to 6GHz。

(4) For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also Complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.

5. MEASUREMENT INSTRUMENTS LIST

CONDUCTED EMISSION					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Dec. 05, 2015
2	LISN	R&S	ENV216	100526	Feb. 25, 2015
3	Test Cable	N/A	RG400 12m	N/A	Mar. 14, 2015
4	EMI Test Receiver	R&S	ESCS30	826547/022	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 29, 2015
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

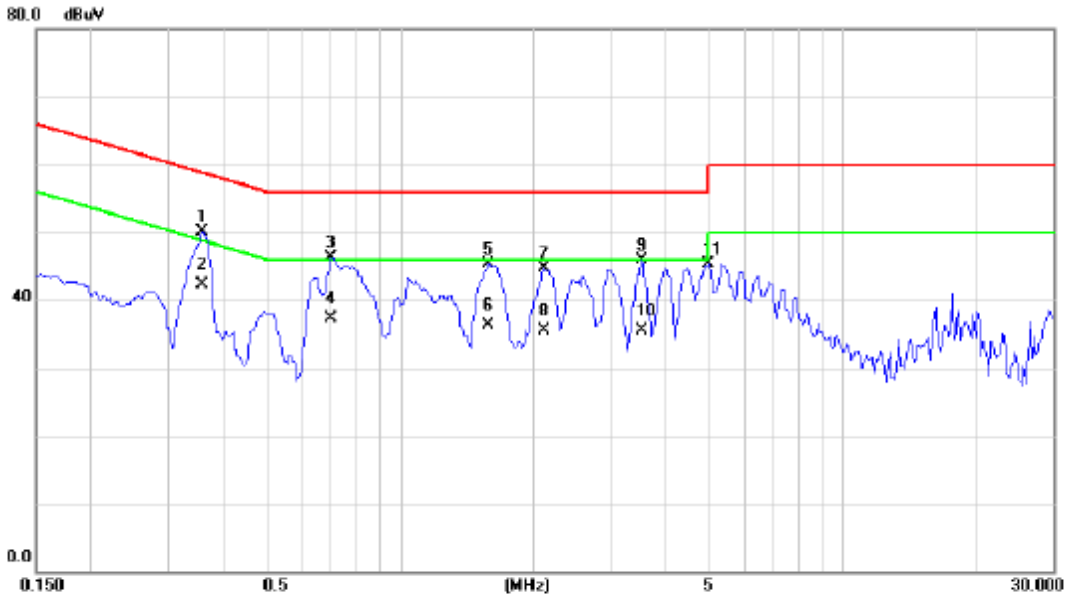
ISN EMISSION					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Artificial-Mains Network	SCHWARZBECK	NSLK 8127	8127685	Dec. 05, 2015
2	LISN	R&S	ENV216	100526	Feb. 25, 2015
3	Test Cable	N/A	RG400 12m	N/A	Mar. 14, 2015
4	EMI Test Receiver	R&S	ESCS30	826547/022	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 29, 2015
6	ISN	FCC	FCC-TLISN-T2-02	20433	Jul. 10, 2015
7	ISN	Teseq GmbH	ISN T8	30833	Sep. 30, 2015
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1 -01	N/A	N/A

RADIATED EMISSION					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	EMCO	3142C	00066462	Mar. 29, 2015
2	Antenna	EMCO	3142C	00066464	Mar. 29, 2015
3	Amplifier	Agilent	8447D	2944A11203	Nov.0 2, 2015
4	Amplifier	Agilent	8447D	2944A11204	Nov. 02, 2015
5	Spectrum Analyzer	Agilent	E4443A	MY48250370	Nov. 02, 2015
6	RF Pre-selector	Agilent	N9039A	MY46520201	Nov. 02, 2015
7	Test Cable	N/A	Cable_5m_8m_15m	N/A	Jan. 04, 2016
8	Test Cable	N/A	Cable_5m_11m_15m	N/A	Jan. 04, 2016
9	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 02, 2015
10	RF Pre-selector	Agilent	N9039A	MY46520214	Nov. 02, 2015
11	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
12	Horn Antenna	EMCO	3115	9605-4803	Mar. 29, 2015
13	Amplifier	Agilent	8449B	3008A02584	Nov. 02, 2015
14	Spectrum Analyzer	Agilent	E4447A	MY48250208	Nov. 02, 2015
15	Test Cable	Huber+Suhner	SUCOFLEX_15m_4m	N/A	Jan. 04, 2016
16	Multi-Device Controller	ETS-Lindgren	2090	N/A	N/A
17	Test Cable	Huber+Suhner	SUCOFLEX 102_8m	N/A	Mar. 29, 2015
18	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

ATTACHMENT A - CONDUCTED EMISSION

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3)

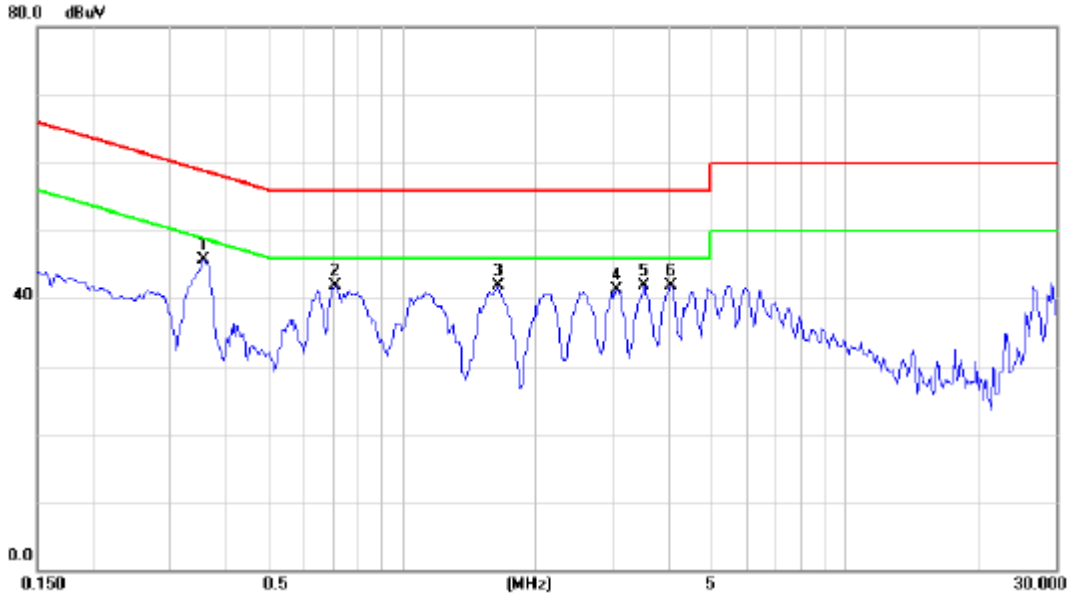
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3570	40.62	9.57	50.19	58.80	-8.61	peak	
2	*	0.3570	32.70	9.57	42.27	48.80	-6.53	AVG	
3		0.7007	36.77	9.62	46.39	56.00	-9.61	peak	
4		0.7007	27.60	9.62	37.22	46.00	-8.78	AVG	
5		1.5836	35.67	9.69	45.36	56.00	-10.64	peak	
6		1.5836	26.70	9.69	36.39	46.00	-9.61	AVG	
7		2.1187	34.93	9.73	44.66	56.00	-11.34	peak	
8		2.1187	25.70	9.73	35.43	46.00	-10.57	AVG	
9		3.5195	36.01	9.81	45.82	56.00	-10.18	peak	
10		3.5195	25.70	9.81	35.51	46.00	-10.49	AVG	
11		5.0038	35.38	9.89	45.27	60.00	-14.73	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3)

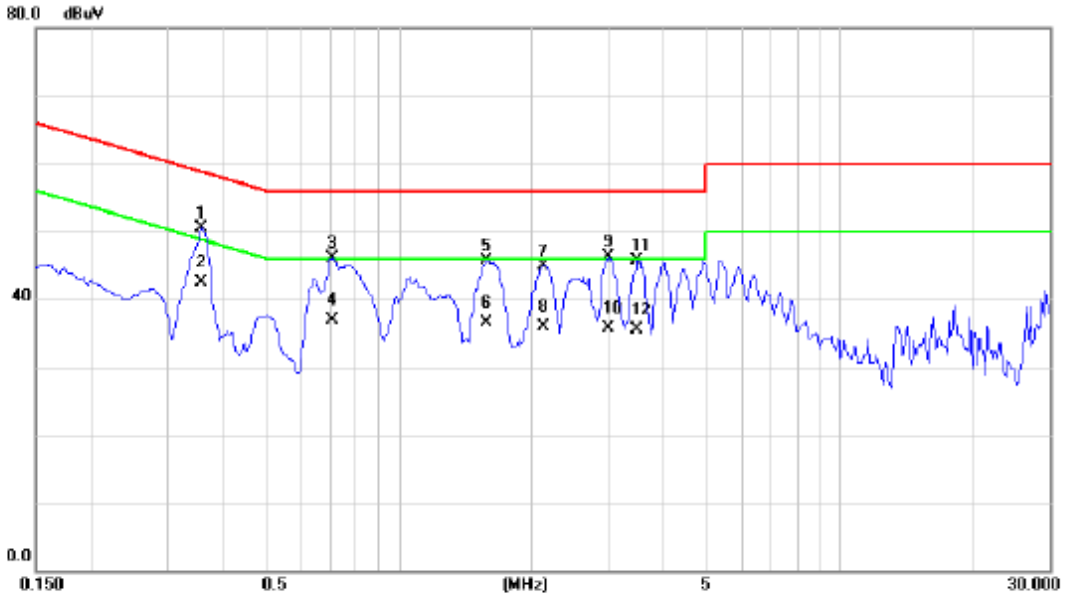
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.3570	36.13	9.56	45.69	58.80	-13.11	peak	
2		0.7086	32.31	9.60	41.91	56.00	-14.09	peak	
3		1.6461	32.15	9.68	41.83	56.00	-14.17	peak	
4		3.0430	31.64	9.76	41.40	56.00	-14.60	peak	
5		3.5273	32.06	9.79	41.85	56.00	-14.15	peak	
6		4.0625	32.15	9.82	41.97	56.00	-14.03	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handset for Adapter (X3)

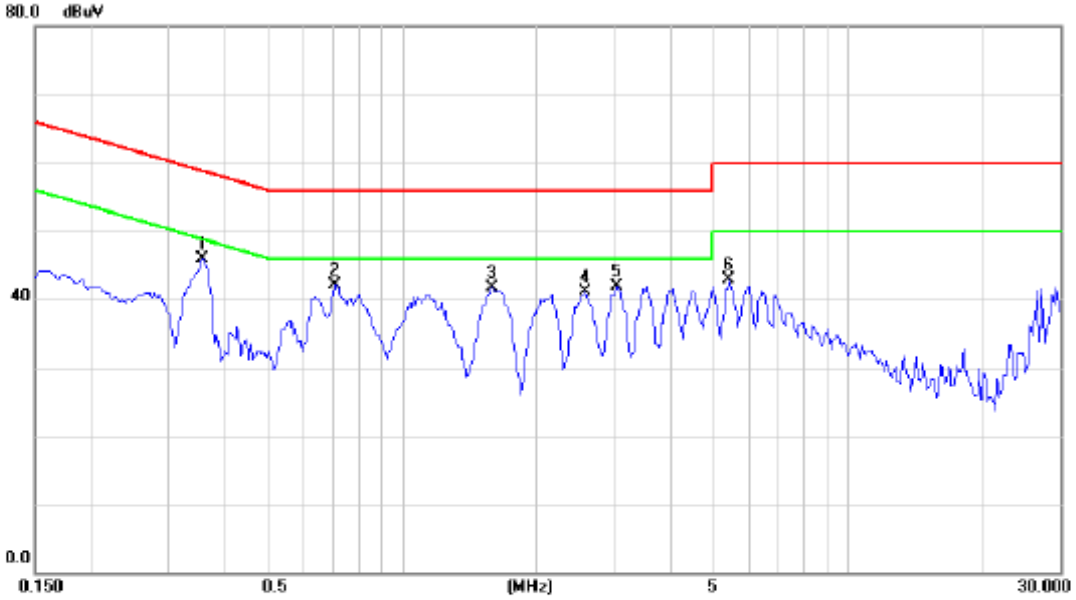
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3570	40.86	9.57	50.43	58.80	-8.37	peak	
2	*	0.3570	33.00	9.57	42.57	48.80	-6.23	AVG	
3		0.7086	36.48	9.62	46.10	56.00	-9.90	peak	
4		0.7086	27.30	9.62	36.92	46.00	-9.08	AVG	
5		1.5836	36.07	9.69	45.76	56.00	-10.24	peak	
6		1.5836	26.80	9.69	36.49	46.00	-9.51	AVG	
7		2.1266	35.22	9.73	44.95	56.00	-11.05	peak	
8		2.1266	26.10	9.73	35.83	46.00	-10.17	AVG	
9		2.9898	36.52	9.78	46.30	56.00	-9.70	peak	
10		2.9898	25.90	9.78	35.68	46.00	-10.32	AVG	
11		3.4883	35.87	9.80	45.67	56.00	-10.33	peak	
12		3.4883	25.80	9.80	35.60	46.00	-10.40	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handset for Adapter (X3)

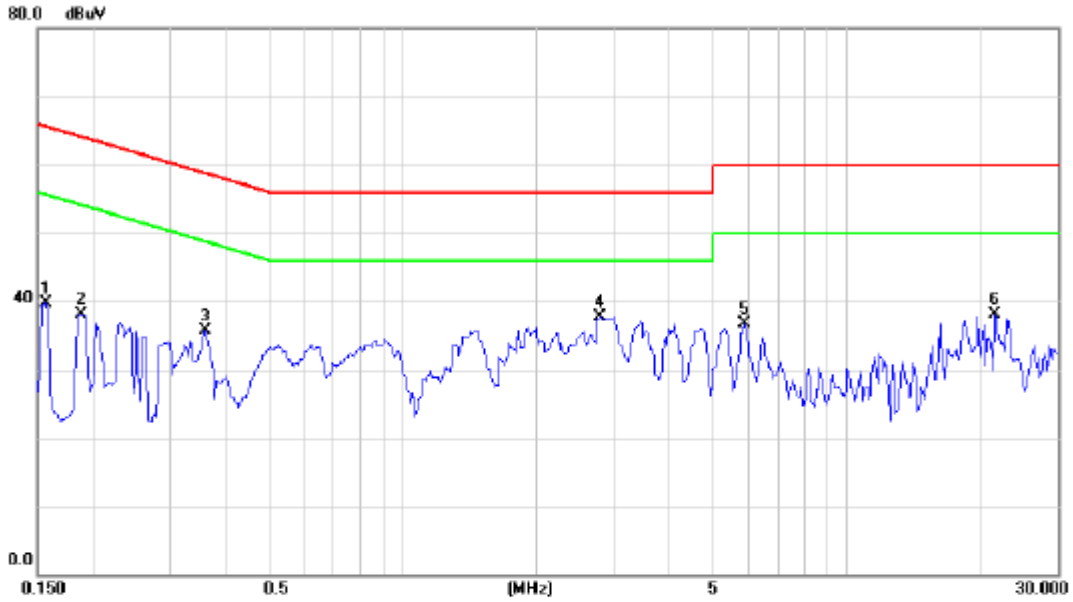
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.3570	36.29	9.56	45.85	58.80	-12.95	peak	
2		0.7086	32.57	9.60	42.17	56.00	-13.83	peak	
3		1.5953	32.10	9.67	41.77	56.00	-14.23	peak	
4		2.5875	31.30	9.74	41.04	56.00	-14.96	peak	
5		3.0391	32.16	9.76	41.92	56.00	-14.08	peak	
6		5.4297	33.10	9.89	42.99	60.00	-17.01	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3P)

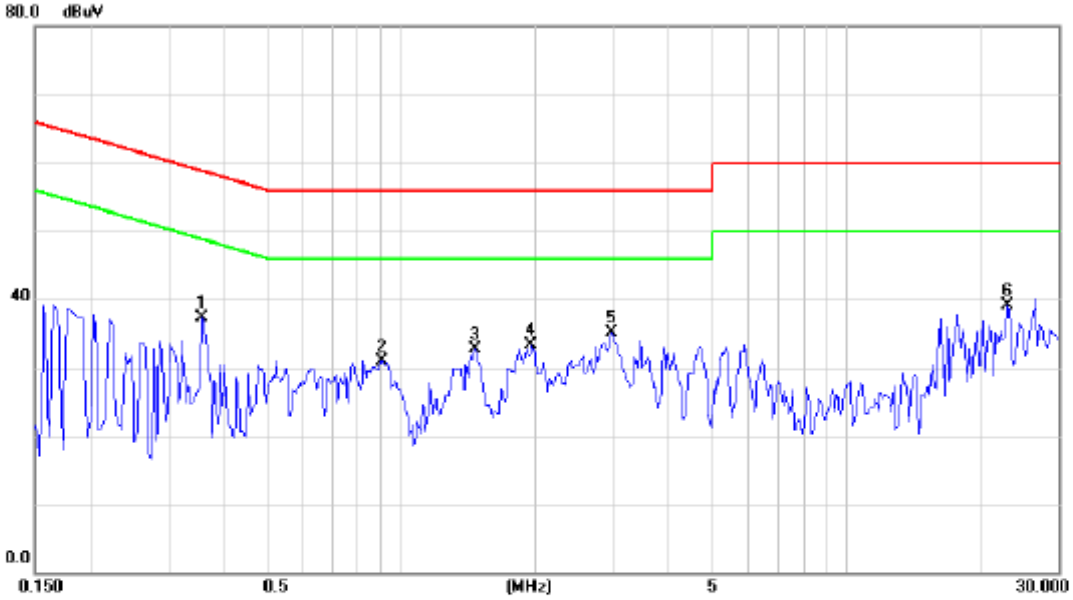
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1578	30.16	9.52	39.68	65.58	-25.90	peak	
2		0.1891	28.48	9.54	38.02	64.08	-26.06	peak	
3		0.3608	26.08	9.57	35.65	58.71	-23.06	peak	
4	*	2.7828	27.92	9.77	37.69	56.00	-18.31	peak	
5		5.8867	26.82	9.93	36.75	60.00	-23.25	peak	
6		21.6641	27.74	10.44	38.18	60.00	-21.82	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3P)

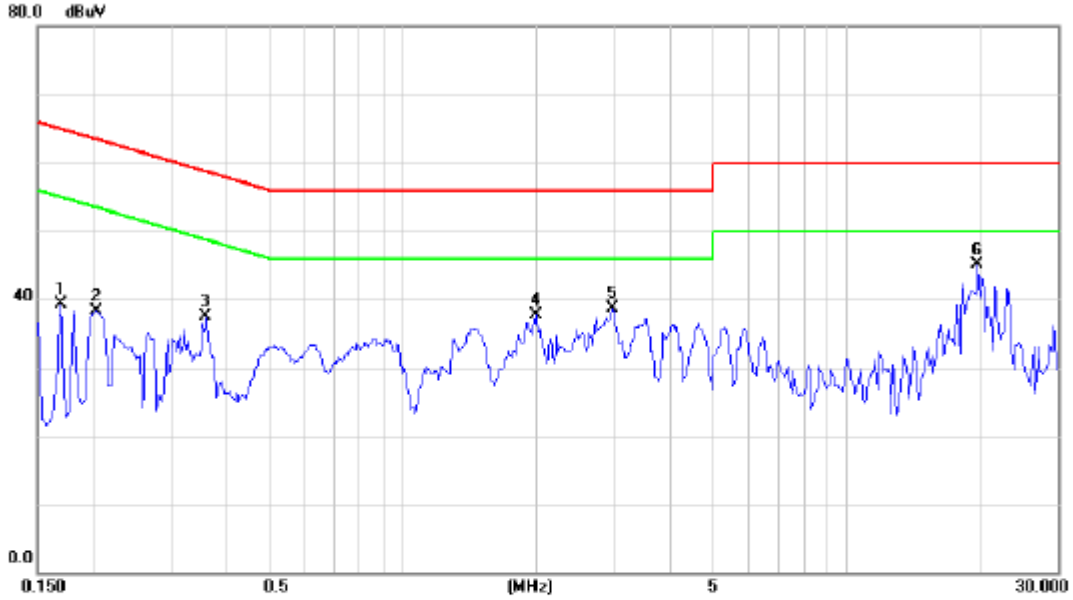
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3570	27.66	9.56	37.22	58.80	-21.58	peak	
2		0.9040	21.38	9.62	31.00	56.00	-25.00	peak	
3		1.4664	23.00	9.65	32.65	56.00	-23.35	peak	
4		1.9664	23.52	9.70	33.22	56.00	-22.78	peak	
5	*	2.9703	25.36	9.76	35.12	56.00	-20.88	peak	
6		23.1290	28.28	10.74	39.02	60.00	-20.98	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handset for Adapter (X3P)

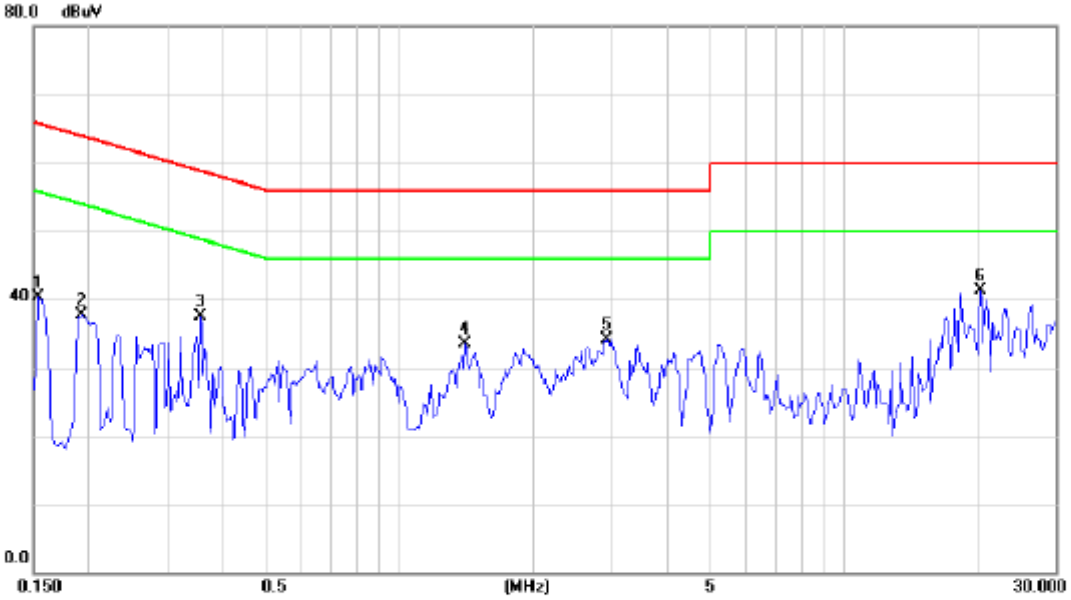
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1695	29.82	9.53	39.35	64.98	-25.63	peak	
2		0.2047	28.68	9.54	38.22	63.42	-25.20	peak	
3		0.3608	27.98	9.57	37.55	58.71	-21.16	peak	
4		1.9977	27.90	9.72	37.62	56.00	-18.38	peak	
5		2.9703	28.86	9.78	38.64	56.00	-17.36	peak	
6	*	19.7110	34.78	10.38	45.16	60.00	-14.84	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handset for Adapter (X3P)

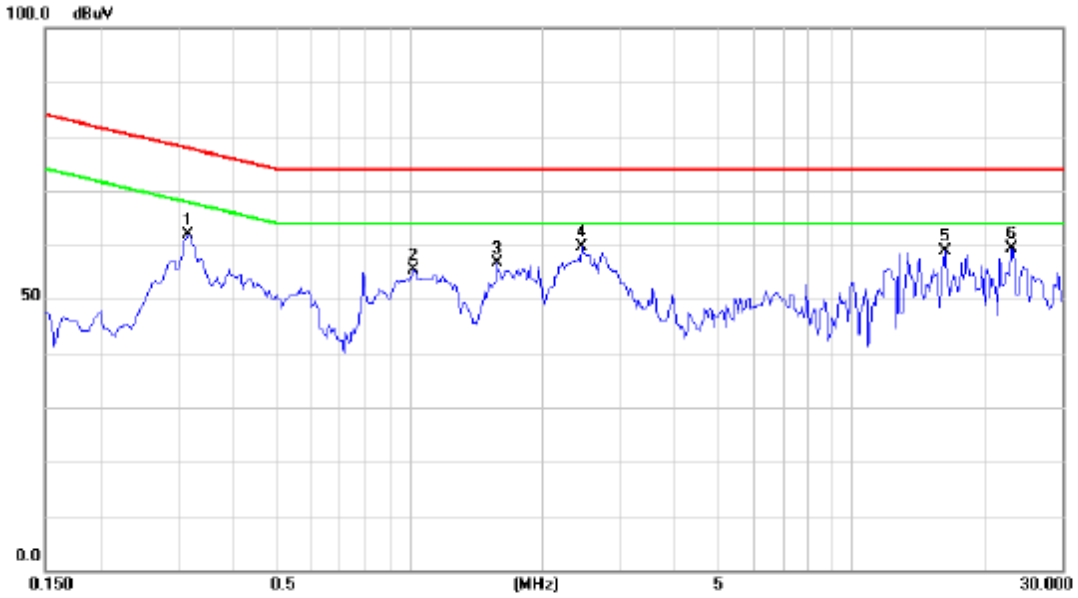
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1540	30.70	9.52	40.22	65.78	-25.56	peak	
2		0.1930	28.12	9.53	37.65	63.91	-26.26	peak	
3		0.3570	27.98	9.56	37.54	58.80	-21.26	peak	
4		1.4078	23.76	9.65	33.41	56.00	-22.59	peak	
5		2.9430	24.36	9.75	34.11	56.00	-21.89	peak	
6	*	20.3203	30.68	10.65	41.33	60.00	-18.67	peak	

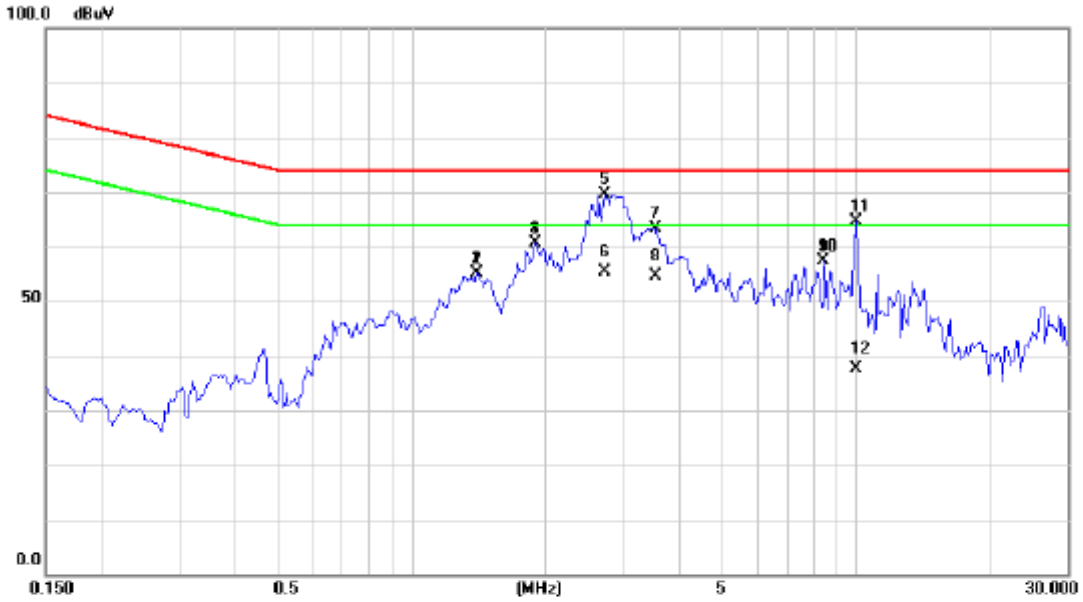
ATTACHMENT B - ISN EMISSION

Test Voltage:	AC 240V/50Hz
Test Mode:	LAN(100Mbps) for Adapter (X3)



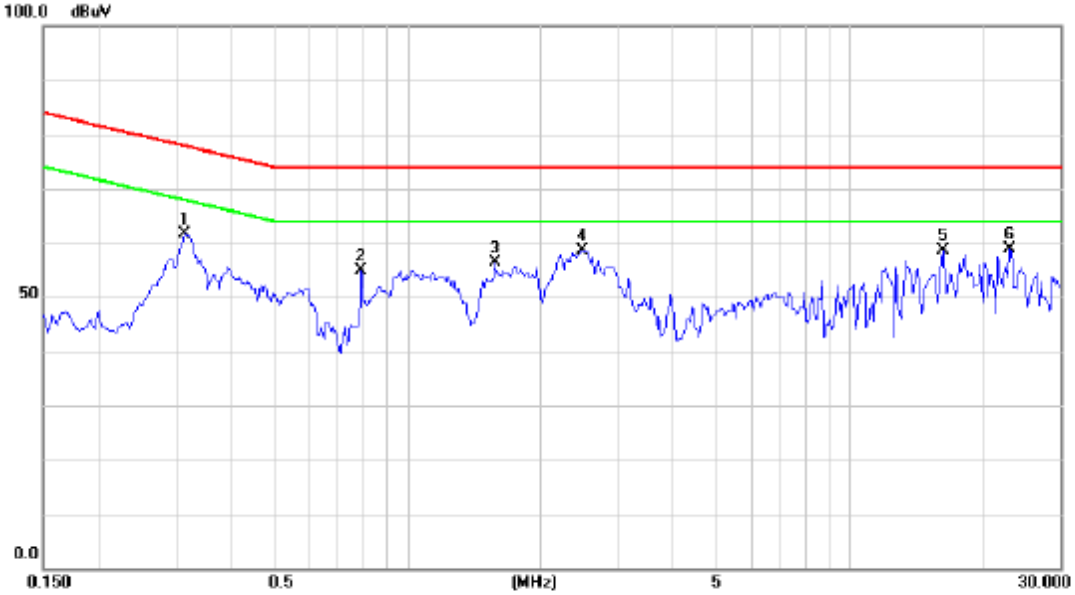
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3180	52.18	9.67	61.85	77.76	-15.91	peak	
2		1.0250	45.78	9.56	55.34	74.00	-18.66	peak	
3		1.5836	47.03	9.56	56.59	74.00	-17.41	peak	
4	*	2.4586	50.11	9.58	59.69	74.00	-14.31	peak	
5		16.2266	48.83	10.01	58.84	74.00	-15.16	peak	
6		23.1290	49.05	10.31	59.36	74.00	-14.64	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	LAN(10Mbps) for Adapter (X3)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		1.4078	45.48	9.56	55.04	74.00	-18.96	peak	
2		1.4078	45.48	9.56	55.04	74.00	-18.96	peak	
3		1.9000	51.17	9.56	60.73	74.00	-13.27	peak	
4		1.9000	51.17	9.56	60.73	74.00	-13.27	peak	
5	*	2.7320	60.00	9.58	69.58	74.00	-4.42	peak	
6		2.7320	45.70	9.58	55.28	64.00	-8.72	AVG	
7		3.5430	53.89	9.61	63.50	74.00	-10.50	peak	
8		3.5430	45.00	9.61	54.61	64.00	-9.39	AVG	
9		8.4766	47.62	9.77	57.39	74.00	-16.61	peak	
10		8.4766	47.62	9.77	57.39	74.00	-16.61	peak	
11		10.0000	54.82	9.82	64.64	74.00	-9.36	peak	
12		10.0000	27.80	9.82	37.62	64.00	-26.38	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	WAN(100Mbps) for Adapter (X3)

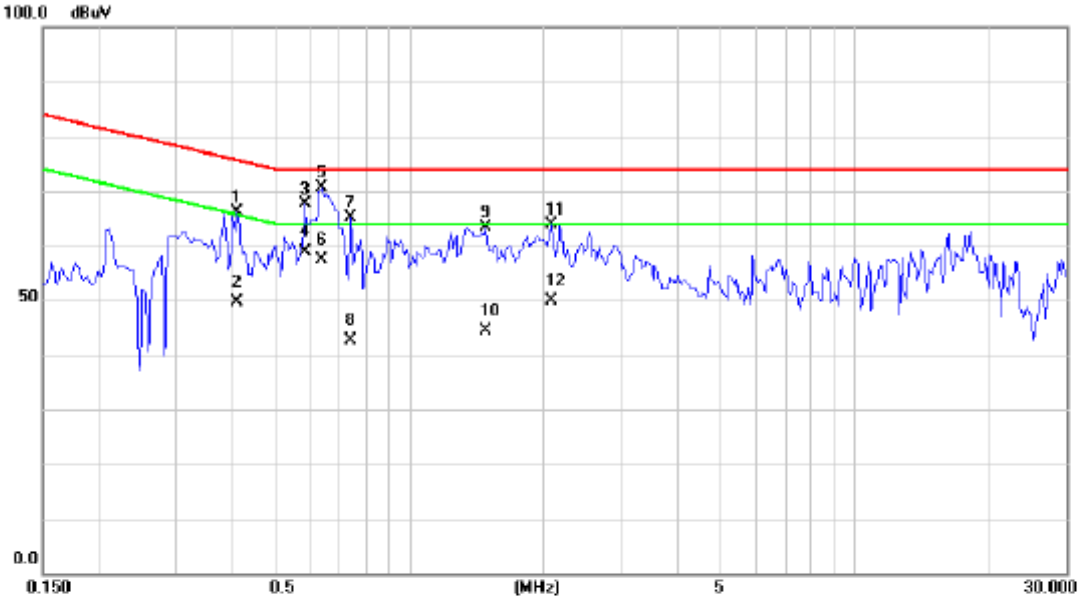


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3141	51.90	9.67	61.57	77.86	-16.29	peak	
2		0.7906	45.29	9.60	54.89	74.00	-19.11	peak	
3		1.5836	46.75	9.56	56.31	74.00	-17.69	peak	
4		2.4868	48.94	9.58	58.52	74.00	-15.48	peak	
5		16.2266	48.51	10.01	58.52	74.00	-15.48	peak	
6	*	23.1290	48.51	10.31	58.82	74.00	-15.18	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	WAN(10Mbps) for Adapter (X3)

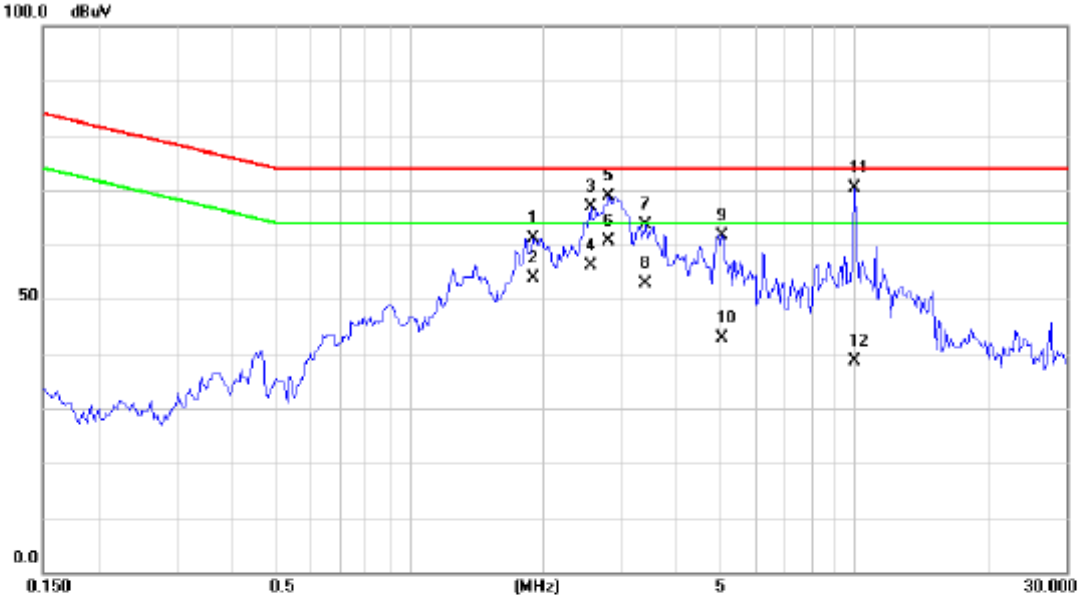
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		1.4078	46.32	9.56	55.88	74.00	-18.12	peak	
2		1.4078	36.10	9.56	45.66	64.00	-18.34	AVG	
3		1.9234	50.98	9.56	60.54	74.00	-13.46	peak	
4		1.9234	39.30	9.56	48.86	64.00	-15.14	AVG	
5		2.8102	59.94	9.59	69.53	74.00	-4.47	peak	
6	*	2.8102	51.00	9.59	60.59	64.00	-3.41	AVG	
7		3.4492	56.52	9.62	66.14	74.00	-7.86	peak	
8		3.4492	45.00	9.62	54.62	64.00	-9.38	AVG	
9		10.0156	46.20	9.82	56.02	74.00	-17.98	peak	
10		10.0156	24.60	9.82	34.42	64.00	-29.58	AVG	
11		11.4610	42.93	9.86	52.79	74.00	-21.21	peak	
12		11.4610	29.80	9.86	39.66	64.00	-24.34	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	LAN(100Mbps) for Adapter (X3P)



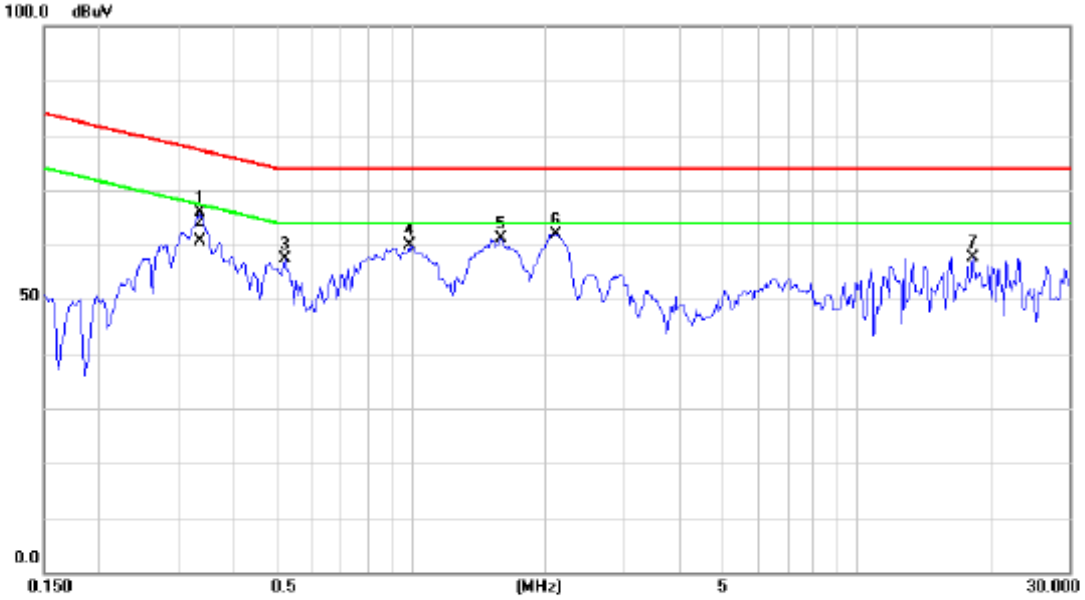
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.4117	56.42	9.65	66.07	75.61	-9.54	peak	
2		0.4117	40.10	9.65	49.75	65.61	-15.86	AVG	
3		0.5836	57.90	9.61	67.51	74.00	-6.49	peak	
4		0.5836	49.20	9.61	58.81	64.00	-5.19	AVG	
5	*	0.6382	60.98	9.61	70.59	74.00	-3.41	peak	
6		0.6382	47.80	9.61	57.41	64.00	-6.59	AVG	
7		0.7398	55.47	9.60	65.07	74.00	-8.93	peak	
8		0.7398	33.00	9.60	42.60	64.00	-21.40	AVG	
9		1.4860	53.72	9.56	63.28	74.00	-10.72	peak	
10		1.4860	34.70	9.56	44.26	64.00	-19.74	AVG	
11		2.0836	54.27	9.56	63.83	74.00	-10.17	peak	
12		2.0836	40.30	9.56	49.86	64.00	-14.14	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	LAN(10Mbps) for Adapter (X3P)



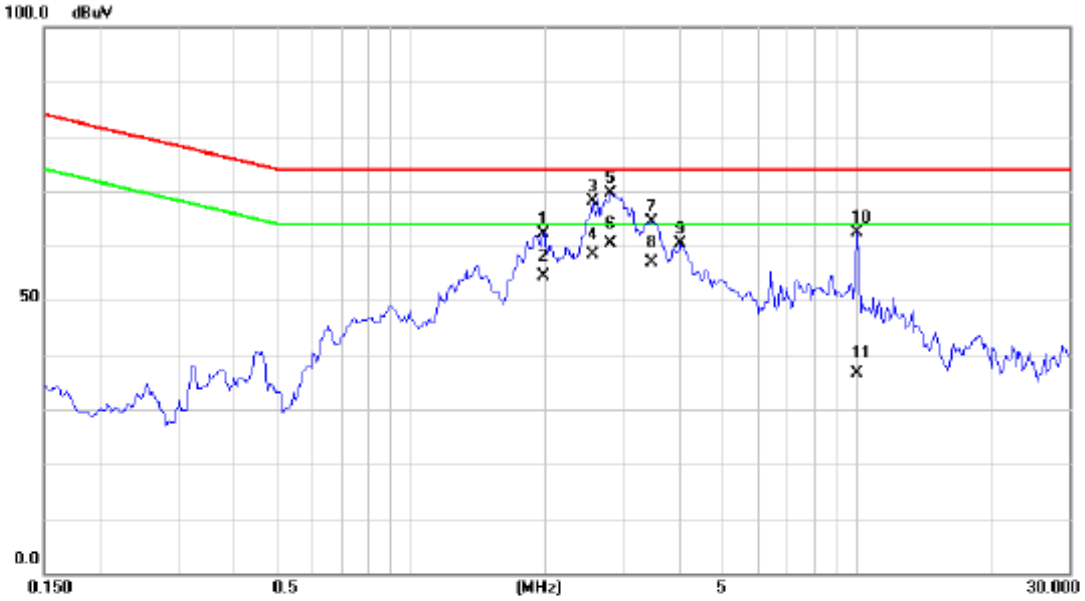
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		1.9078	51.67	9.56	61.23	74.00	-12.77	QP	
2		1.9078	44.40	9.56	53.96	64.00	-10.04	AVG	
3		2.5562	57.42	9.58	67.00	74.00	-7.00	QP	
4		2.5562	46.60	9.58	56.18	64.00	-7.82	AVG	
5		2.8180	59.31	9.59	68.90	74.00	-5.10	QP	
6	*	2.8180	51.00	9.59	60.59	64.00	-3.41	AVG	
7		3.4063	54.06	9.62	63.68	74.00	-10.32	QP	
8		3.4063	43.20	9.62	52.82	64.00	-11.18	AVG	
9		5.0547	52.07	9.67	61.74	74.00	-12.26	QP	
10		5.0547	33.10	9.67	42.77	64.00	-21.23	AVG	
11		10.0040	60.67	9.82	70.49	74.00	-3.51	QP	
12		10.0040	28.90	9.82	38.72	64.00	-25.28	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	WAN(100Mbps) for Adapter (X3P)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3375	56.25	9.66	65.91	77.26	-11.35	peak	
2	*	0.3375	50.90	9.66	60.56	67.26	-6.70	AVG	
3		0.5211	47.67	9.62	57.29	74.00	-16.71	peak	
4		0.9938	50.23	9.56	59.79	74.00	-14.21	peak	
5		1.5992	51.60	9.56	61.16	74.00	-12.84	peak	
6		2.1110	52.39	9.57	61.96	74.00	-12.04	peak	
7		18.2422	47.61	10.08	57.69	74.00	-16.31	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	WAN(10Mbps) for Adapter (X3P)

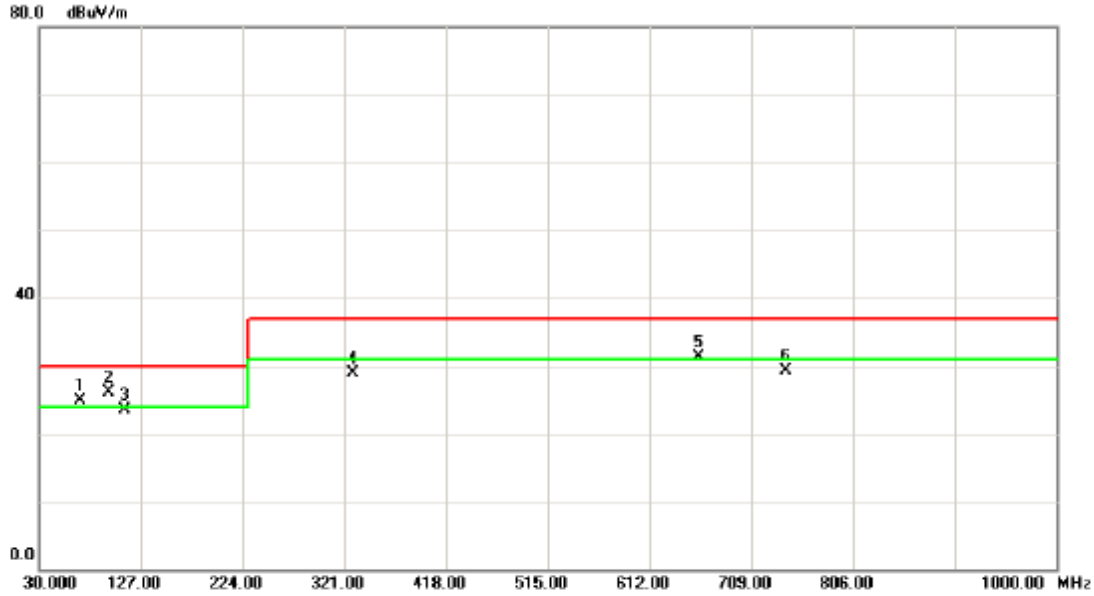


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		1.9898	52.55	9.56	62.11	74.00	-11.89	peak	
2		1.9898	44.90	9.56	54.46	64.00	-9.54	AVG	
3		2.5602	58.50	9.58	68.08	74.00	-5.92	peak	
4		2.5602	48.70	9.58	58.28	64.00	-5.72	AVG	
5		2.8180	59.92	9.59	69.51	74.00	-4.49	peak	
6	*	2.8180	50.90	9.59	60.49	64.00	-3.51	AVG	
7		3.4648	54.80	9.62	64.42	74.00	-9.58	peak	
8		3.4648	47.30	9.62	56.92	64.00	-7.08	AVG	
9		4.0352	50.72	9.63	60.35	74.00	-13.65	peak	
10		10.0156	52.57	9.82	62.39	74.00	-11.61	peak	
11		10.0156	26.70	9.82	36.52	64.00	-27.48	AVG	

ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3)

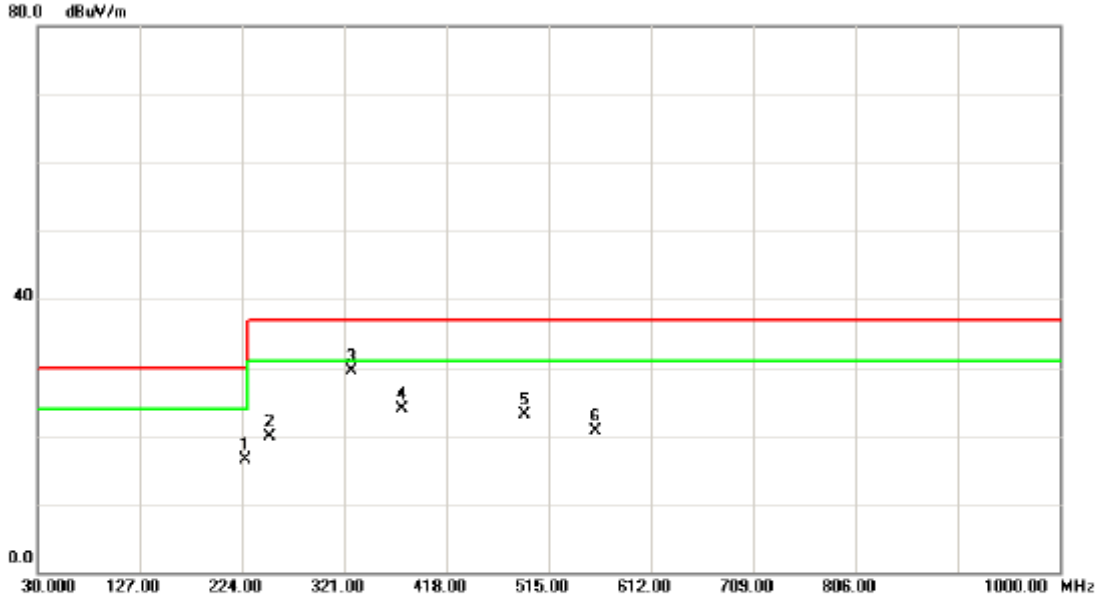
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	69.7700	45.40	-20.48	24.92	30.00	-5.08	peak	
2	*	96.9300	44.95	-18.75	26.20	30.00	-3.80	peak	
3		111.4800	42.57	-18.98	23.59	30.00	-6.41	peak	
4		329.7300	39.01	-10.10	28.91	37.00	-8.09	peak	
5	!	659.5300	34.46	-3.24	31.22	37.00	-5.78	peak	
6		741.9800	30.87	-1.55	29.32	37.00	-7.68	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3)

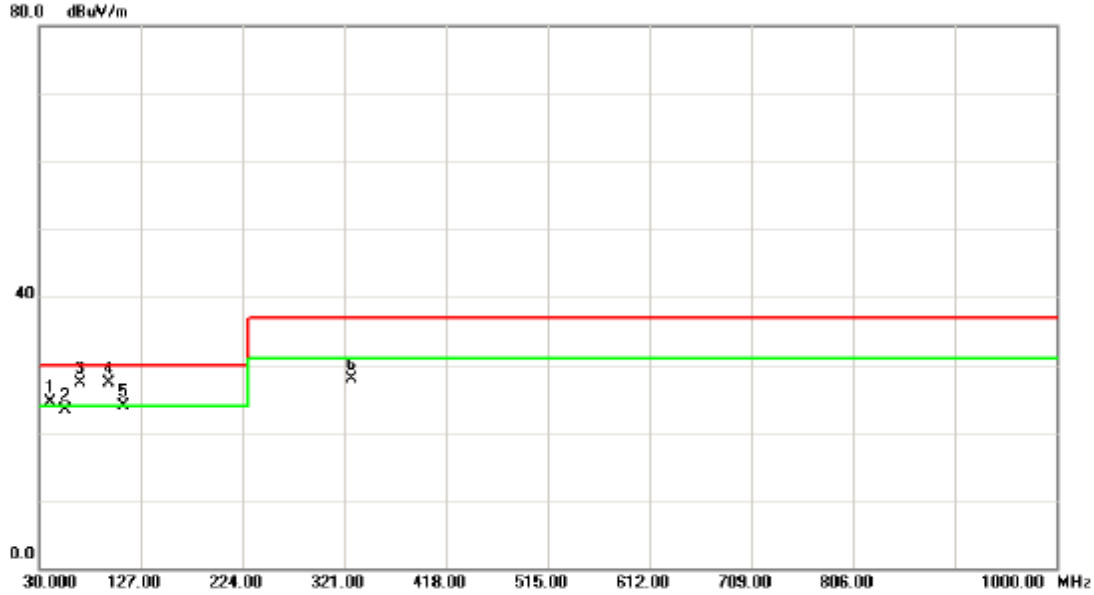
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		226.9100	30.43	-13.94	16.49	30.00	-13.51	peak	
2		250.1900	32.55	-12.66	19.89	37.00	-17.11	peak	
3	*	327.7900	39.62	-10.20	29.42	37.00	-7.58	peak	
4		375.3200	31.89	-8.08	23.81	37.00	-13.19	peak	
5		491.7200	29.27	-6.16	23.11	37.00	-13.89	peak	
6		559.6200	25.75	-4.99	20.76	37.00	-16.24	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3)

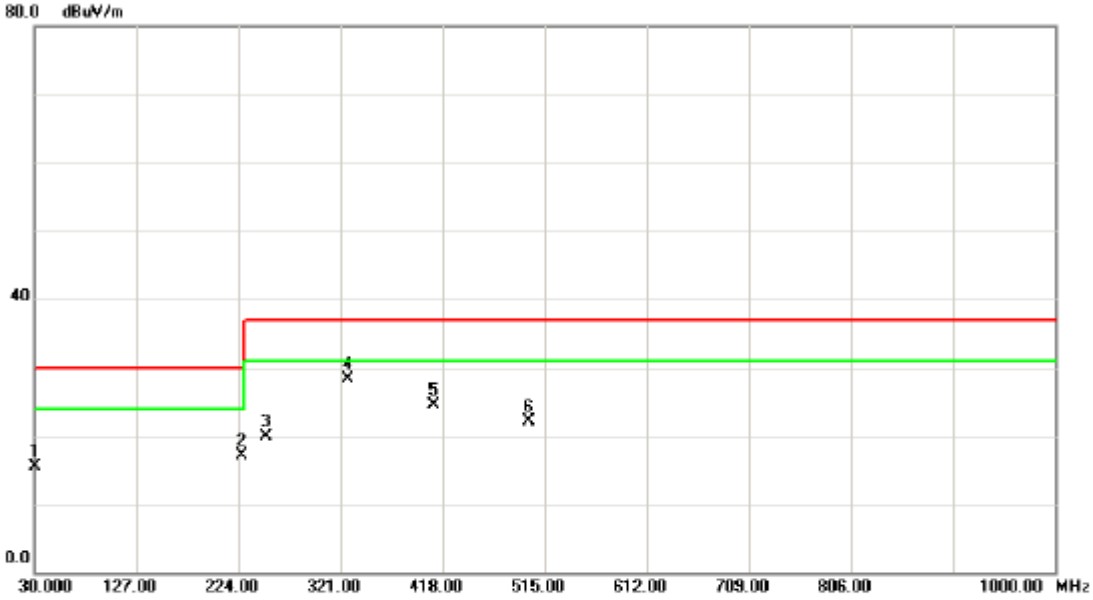
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	40.6700	40.18	-15.68	24.50	30.00	-5.50	peak	
2		55.2200	42.33	-19.10	23.23	30.00	-6.77	peak	
3	*	69.7700	47.78	-20.48	27.30	30.00	-2.70	peak	
4	!	96.9300	46.00	-18.75	27.25	30.00	-2.75	peak	
5		110.5100	42.74	-18.91	23.83	30.00	-6.17	peak	
6		327.7900	38.06	-10.20	27.86	37.00	-9.14	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3)

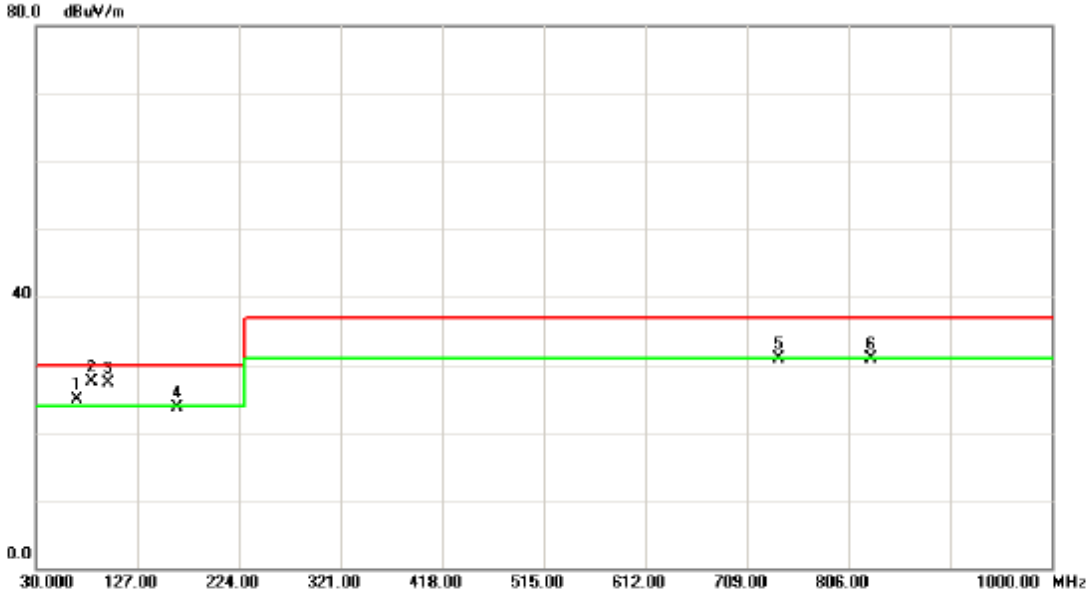
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		30.9700	25.90	-10.32	15.58	30.00	-14.42	peak	
2		226.9100	30.95	-13.94	17.01	30.00	-12.99	peak	
3		250.1900	32.62	-12.66	19.96	37.00	-17.04	peak	
4	*	327.7900	38.44	-10.20	28.24	37.00	-8.76	peak	
5		409.2700	32.70	-8.16	24.54	37.00	-12.46	peak	
6		500.4500	28.23	-6.19	22.04	37.00	-14.96	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3P)

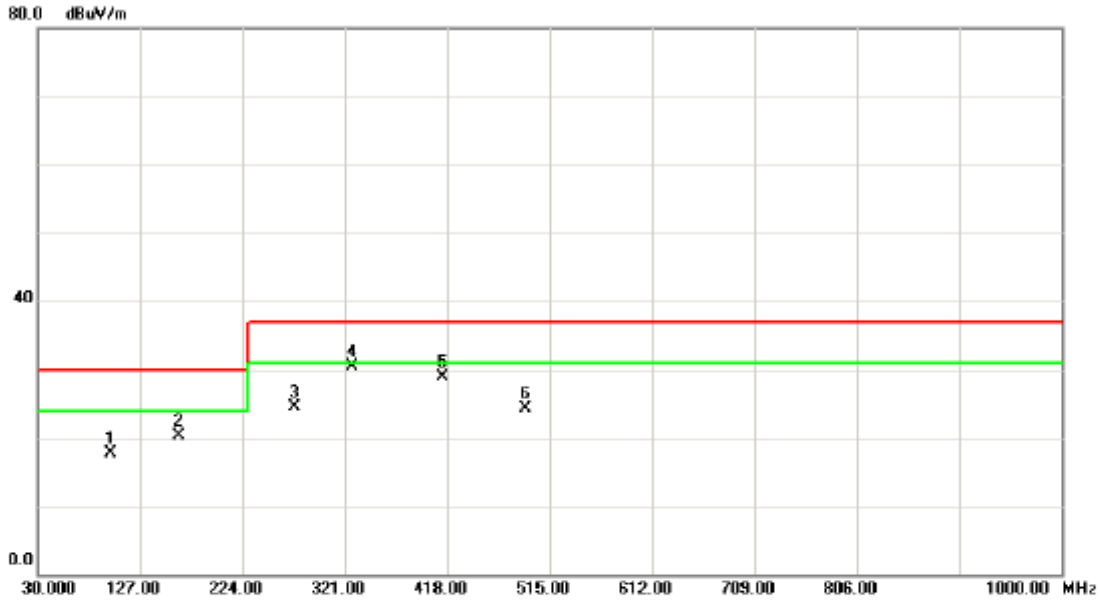
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	!	69.7700	45.31	-20.48	24.83	30.00	-5.17	peak	
2	*	83.3500	47.75	-20.19	27.56	30.00	-2.44	peak	
3	!	98.8700	45.82	-18.53	27.29	30.00	-2.71	peak	
4		164.8300	40.36	-16.66	23.70	30.00	-6.30	peak	
5		739.0700	32.52	-1.57	30.95	37.00	-6.05	peak	
6		827.3400	31.35	-0.51	30.84	37.00	-6.16	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3P)

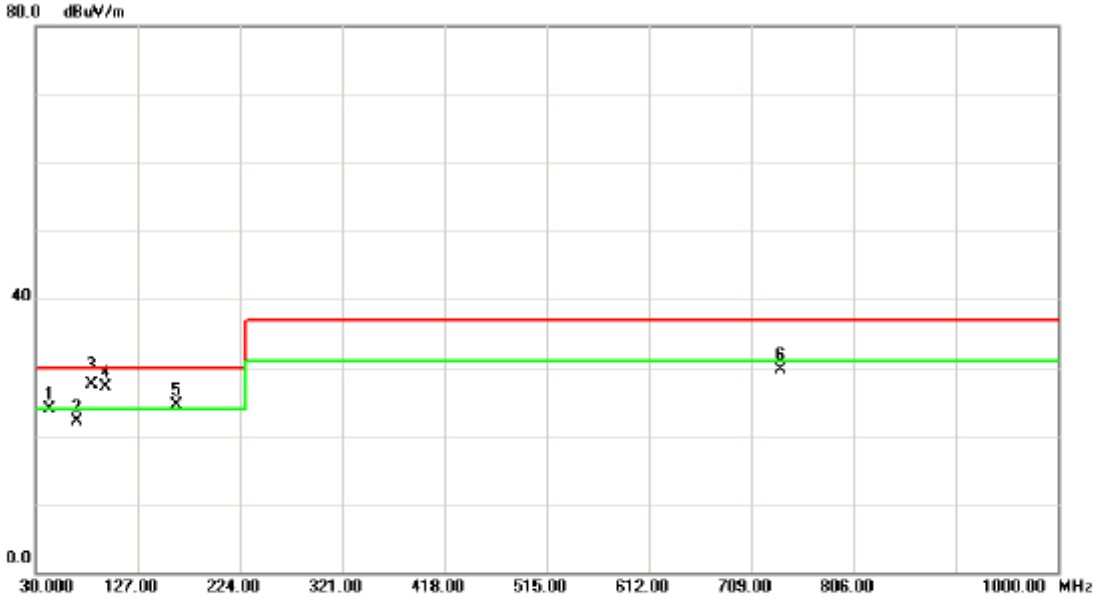
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		98.8700	36.14	-18.53	17.61	30.00	-12.39	peak	
2		163.8600	36.99	-16.67	20.32	30.00	-9.68	peak	
3		273.4700	36.61	-12.14	24.47	37.00	-12.53	peak	
4	*	327.7900	40.64	-10.20	30.44	37.00	-6.56	peak	
5		413.1500	37.03	-8.11	28.92	37.00	-8.08	peak	
6		491.7200	30.45	-6.16	24.29	37.00	-12.71	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3P)

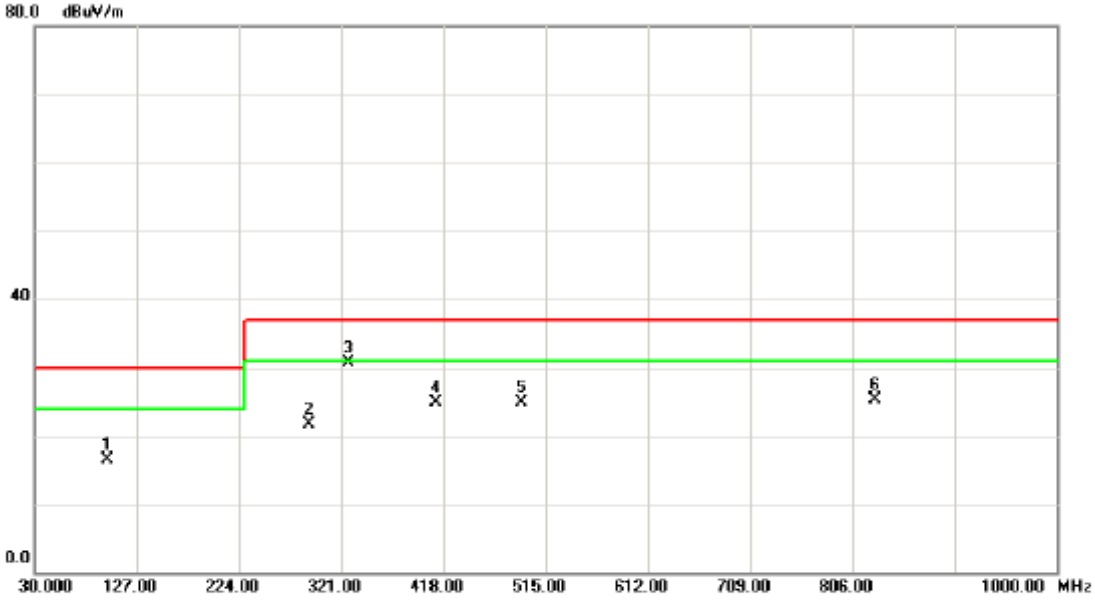
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		43.5800	40.55	-16.63	23.92	30.00	-6.08	peak	
2		69.7700	42.61	-20.48	22.13	30.00	-7.87	peak	
3	*	83.3500	47.66	-20.19	27.47	30.00	-2.53	QP	
4	!	96.9300	45.76	-18.75	27.01	30.00	-2.99	peak	
5	!	163.8600	41.19	-16.67	24.52	30.00	-5.48	peak	
6		737.1300	31.24	-1.59	29.65	37.00	-7.35	peak	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3P)

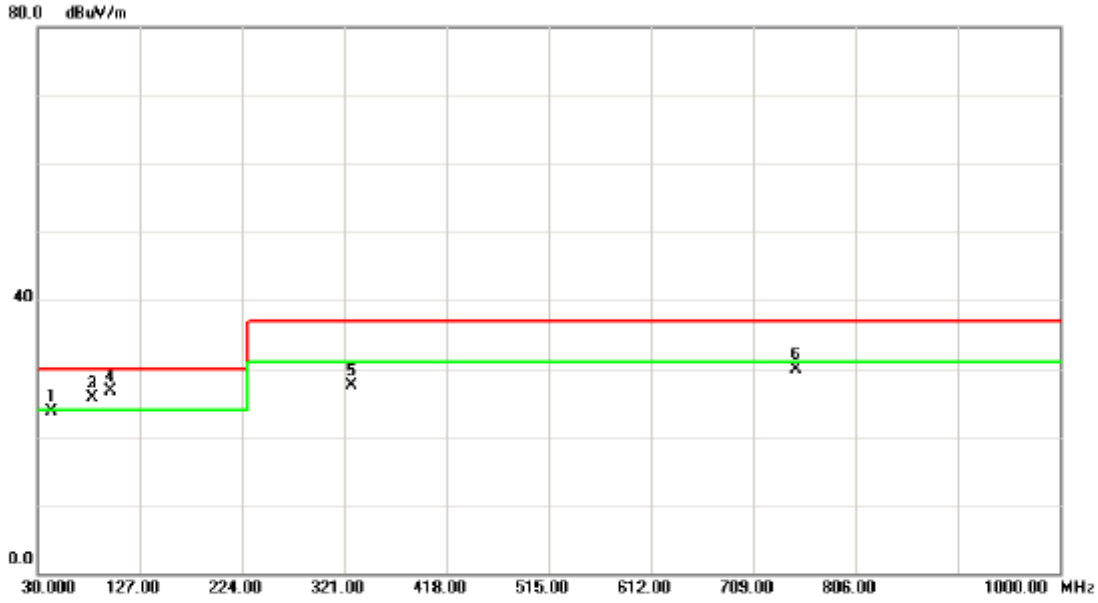
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		98.8700	34.98	-18.53	16.45	30.00	-13.55	peak	
2		289.9600	33.44	-11.75	21.69	37.00	-15.31	peak	
3	*	327.7900	40.81	-10.20	30.61	37.00	-6.39	peak	
4		410.2400	32.98	-8.15	24.83	37.00	-12.17	peak	
5		491.7200	31.13	-6.16	24.97	37.00	-12.03	peak	
6		827.3400	25.79	-0.51	25.28	37.00	-11.72	peak	

Test Voltage:	DC 48V
Test Mode:	Handfset for PoE (X3P)

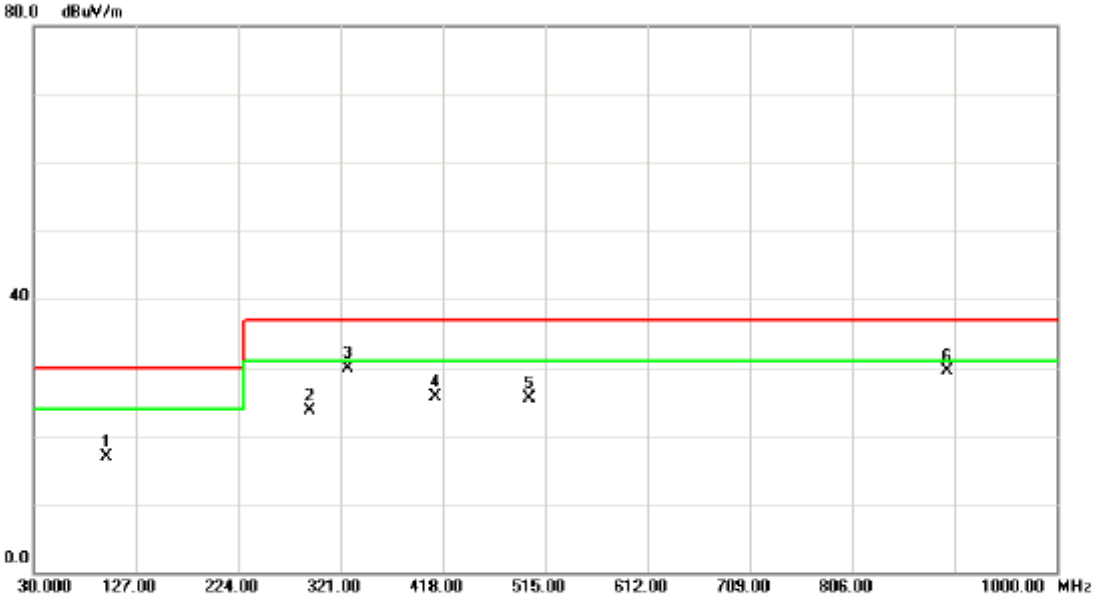
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		43.5800	40.36	-16.63	23.73	30.00	-6.27	peak	
2	!	82.3800	46.09	-20.29	25.80	30.00	-4.20	peak	
3	!	82.3800	46.09	-20.29	25.80	30.00	-4.20	peak	
4	*	98.8700	45.25	-18.53	26.72	30.00	-3.28	peak	
5		327.7900	37.62	-10.20	27.42	37.00	-9.58	peak	
6		749.7400	31.45	-1.48	29.97	37.00	-7.03	peak	

Test Voltage:	DC 48V
Test Mode:	Handfset for PoE (X3P)

Horizontal

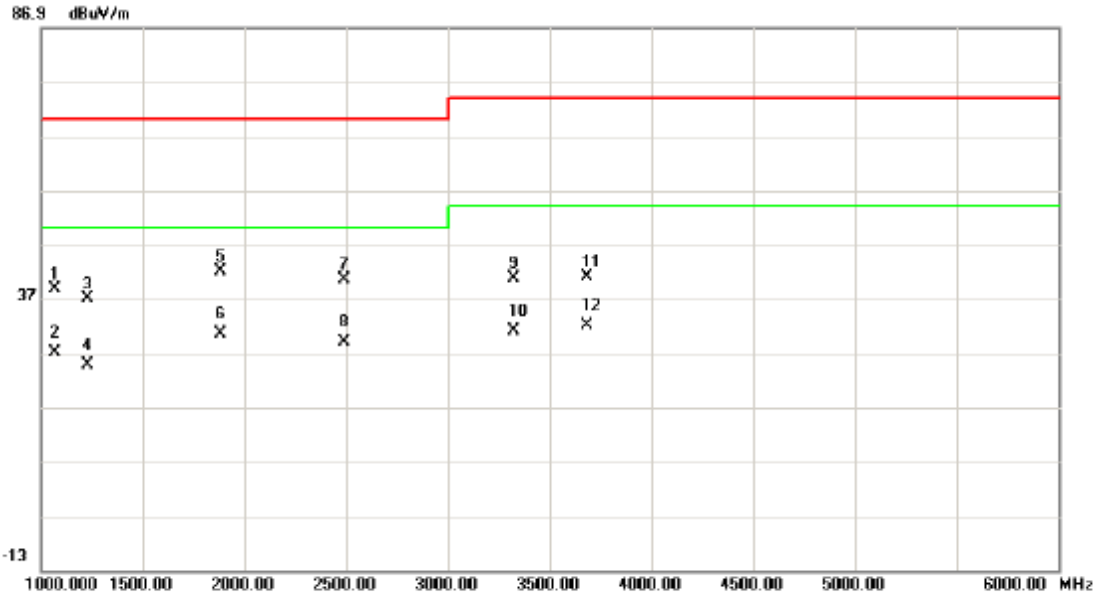


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		98.8700	35.40	-18.53	16.87	30.00	-13.13	peak	
2		291.9000	35.35	-11.72	23.63	37.00	-13.37	peak	
3	*	327.7900	40.04	-10.20	29.84	37.00	-7.16	peak	
4		411.2100	33.79	-8.13	25.66	37.00	-11.34	peak	
5		500.4500	31.71	-6.19	25.52	37.00	-11.48	peak	
6		896.2100	28.55	0.97	29.52	37.00	-7.48	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3)

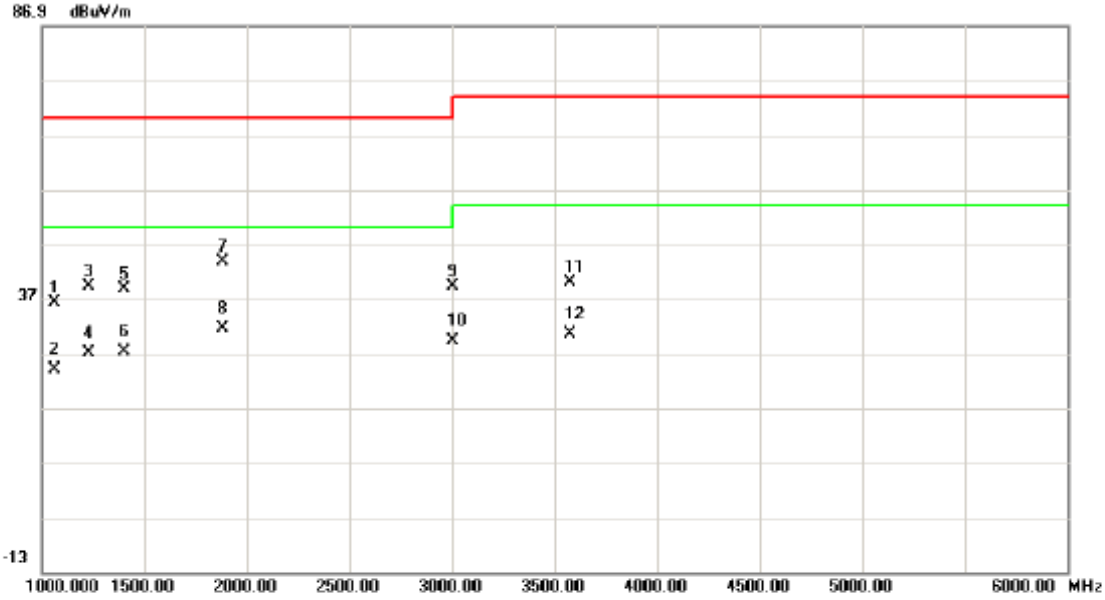
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1070.000	45.37	-6.57	38.80	70.00	-31.20	peak	
2		1070.000	33.58	-6.57	27.01	50.00	-22.99	AVG	
3		1230.000	42.83	-5.69	37.14	70.00	-32.86	peak	
4		1230.000	30.48	-5.69	24.79	50.00	-25.21	AVG	
5		1880.000	44.31	-2.18	42.13	70.00	-27.87	peak	
6	*	1880.000	32.78	-2.18	30.60	50.00	-19.40	AVG	
7		2490.000	39.86	0.63	40.49	70.00	-29.51	peak	
8		2490.000	28.32	0.63	28.95	50.00	-21.05	AVG	
9		3325.000	36.18	4.70	40.88	74.00	-33.12	peak	
10		3325.000	26.23	4.70	30.93	54.00	-23.07	AVG	
11		3680.000	35.00	6.09	41.09	74.00	-32.91	peak	
12		3680.000	25.91	6.09	32.00	54.00	-22.00	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3)

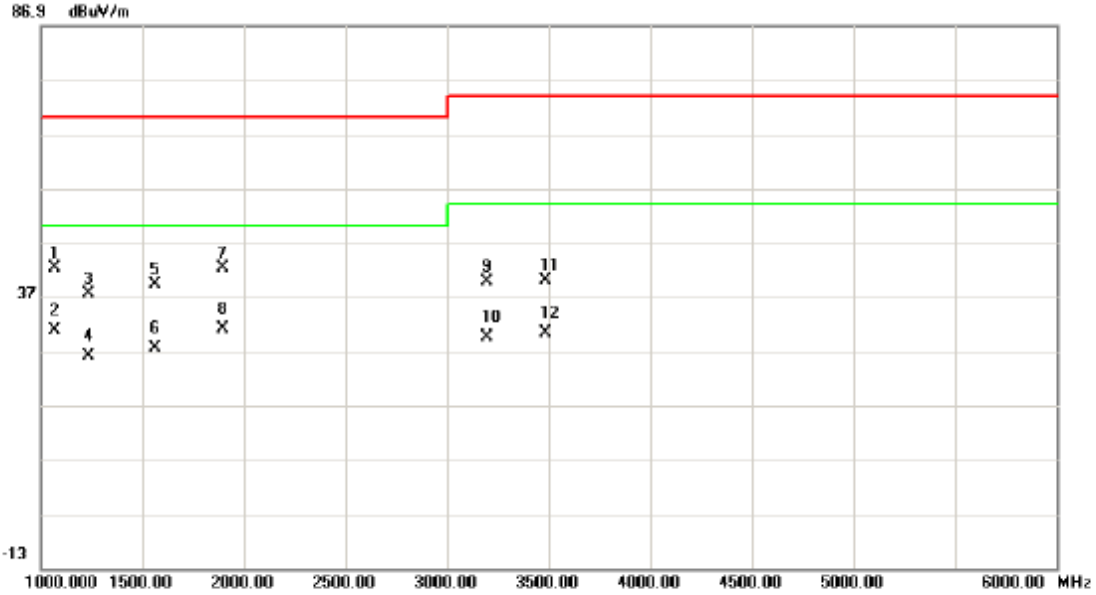
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1065.000	42.93	-6.60	36.33	70.00	-33.67	peak	
2		1065.000	30.59	-6.60	23.99	50.00	-26.01	AVG	
3		1230.000	44.97	-5.69	39.28	70.00	-30.72	peak	
4		1230.000	32.70	-5.69	27.01	50.00	-22.99	AVG	
5		1400.000	43.44	-4.75	38.69	70.00	-31.31	peak	
6		1400.000	32.05	-4.75	27.30	50.00	-22.70	AVG	
7		1885.000	45.99	-2.16	43.83	70.00	-26.17	peak	
8	*	1885.000	33.77	-2.16	31.61	50.00	-18.39	AVG	
9		3000.000	35.91	3.44	39.35	70.00	-30.65	peak	
10		3000.000	25.94	3.44	29.38	50.00	-20.62	AVG	
11		3575.000	34.41	5.69	40.10	74.00	-33.90	peak	
12		3575.000	24.88	5.69	30.57	54.00	-23.43	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3)

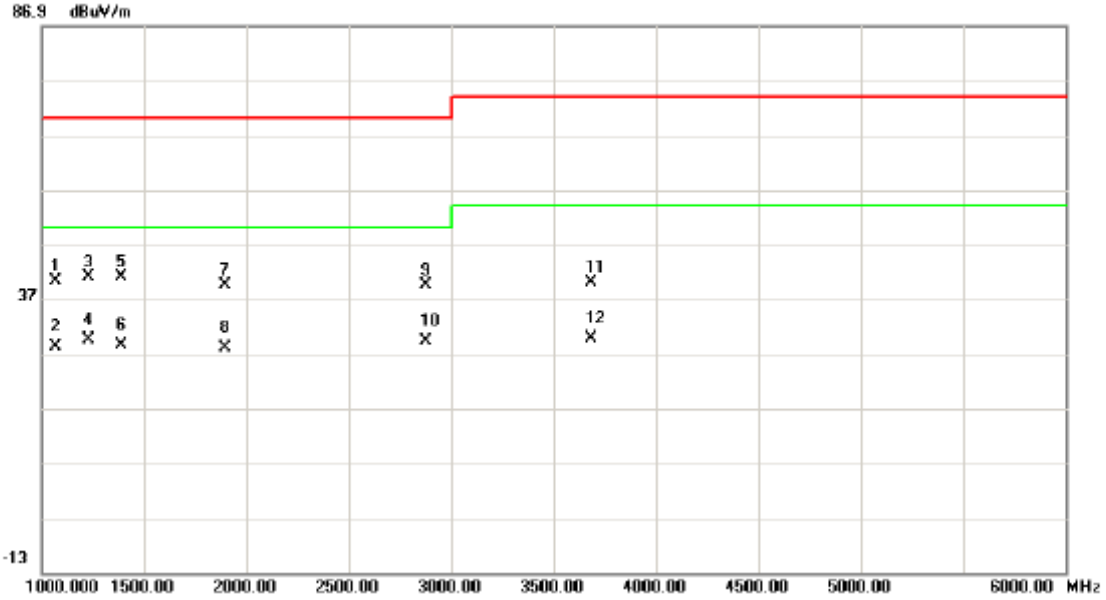
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1070.000	48.88	-6.57	42.31	70.00	-27.69	peak	
2		1070.000	37.27	-6.57	30.70	50.00	-19.30	AVG	
3		1235.000	43.26	-5.66	37.60	70.00	-32.40	peak	
4		1235.000	31.68	-5.66	26.02	50.00	-23.98	AVG	
5		1565.000	43.19	-3.85	39.34	70.00	-30.66	peak	
6		1565.000	31.33	-3.85	27.48	50.00	-22.52	AVG	
7		1895.000	44.48	-2.10	42.38	70.00	-27.62	peak	
8	*	1895.000	33.16	-2.10	31.06	50.00	-18.94	AVG	
9		3195.000	35.67	4.20	39.87	74.00	-34.13	peak	
10		3195.000	25.39	4.20	29.59	54.00	-24.41	AVG	
11		3485.000	34.79	5.33	40.12	74.00	-33.88	peak	
12		3485.000	24.91	5.33	30.24	54.00	-23.76	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3)

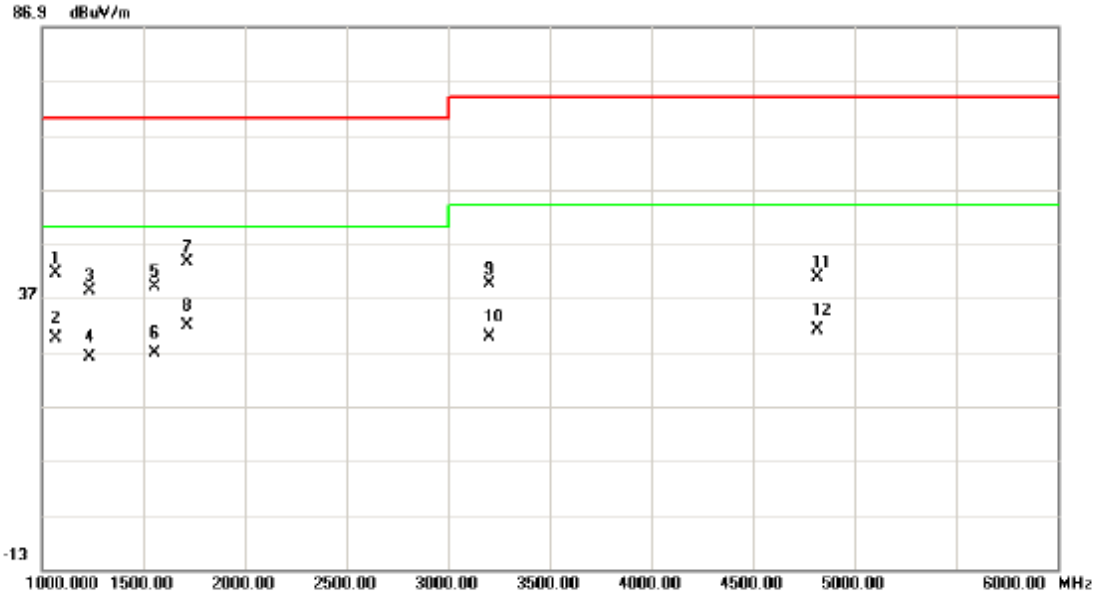
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1070.000	46.81	-6.57	40.24	70.00	-29.76	peak	
2		1070.000	34.94	-6.57	28.37	50.00	-21.63	AVG	
3		1230.000	46.79	-5.69	41.10	70.00	-28.90	peak	
4	*	1230.000	35.17	-5.69	29.48	50.00	-20.52	AVG	
5		1390.000	45.73	-4.81	40.92	70.00	-29.08	peak	
6		1390.000	33.26	-4.81	28.45	50.00	-21.55	AVG	
7		1895.000	41.74	-2.10	39.64	70.00	-30.36	peak	
8		1895.000	30.18	-2.10	28.08	50.00	-21.92	AVG	
9		2875.000	36.86	2.75	39.61	70.00	-30.39	peak	
10		2875.000	26.47	2.75	29.22	50.00	-20.78	AVG	
11		3680.000	33.85	6.09	39.94	74.00	-34.06	peak	
12		3680.000	23.69	6.09	29.78	54.00	-24.22	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3P)

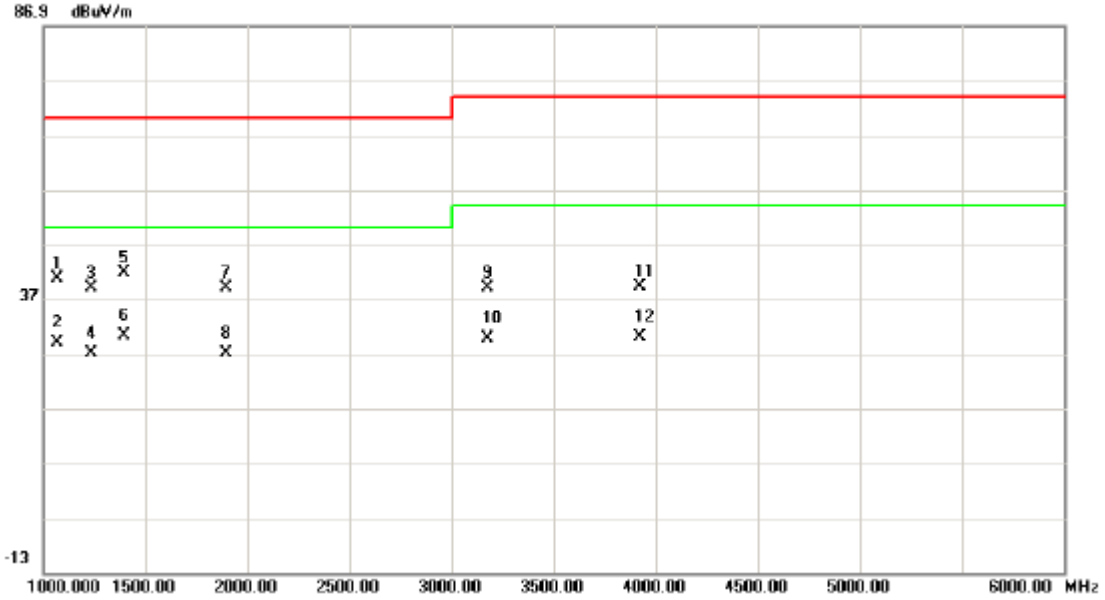
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1070.000	48.04	-6.57	41.47	70.00	-28.53	peak	
2		1070.000	36.14	-6.57	29.57	50.00	-20.43	AVG	
3		1235.000	43.84	-5.66	38.18	70.00	-31.82	peak	
4		1235.000	31.66	-5.66	26.00	50.00	-24.00	AVG	
5		1555.000	43.05	-3.91	39.14	70.00	-30.86	peak	
6		1555.000	30.65	-3.91	26.74	50.00	-23.26	AVG	
7		1715.000	46.64	-3.05	43.59	70.00	-26.41	peak	
8	*	1715.000	34.71	-3.05	31.66	50.00	-18.34	AVG	
9		3205.000	35.36	4.24	39.60	74.00	-34.40	peak	
10		3205.000	25.44	4.24	29.68	54.00	-24.32	AVG	
11		4815.000	32.69	8.19	40.88	74.00	-33.12	peak	
12		4815.000	22.82	8.19	31.01	54.00	-22.99	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfree for Adapter (X3P)

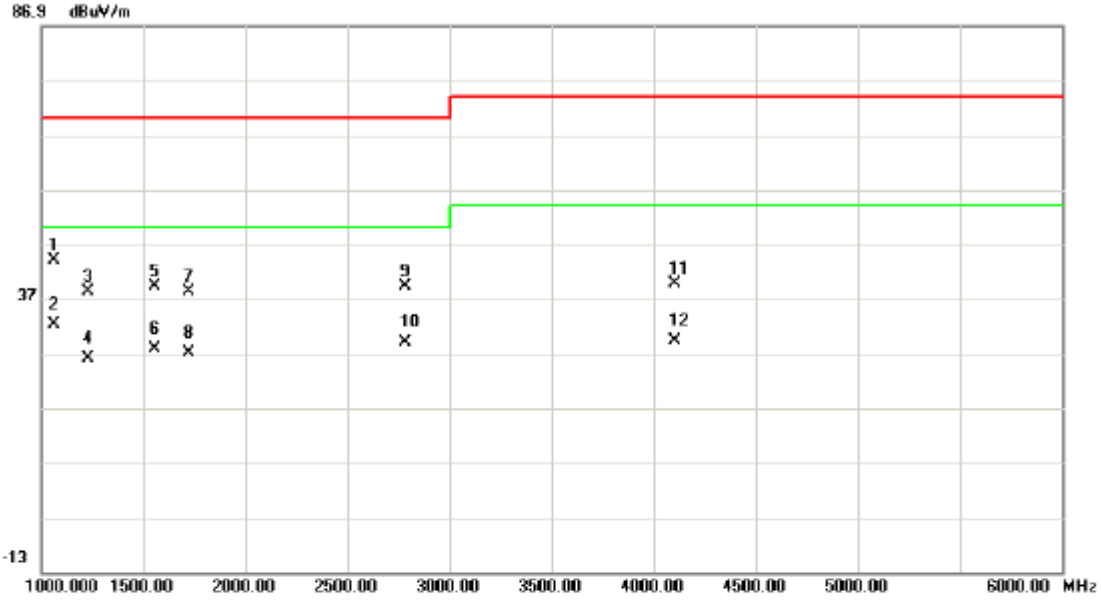
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1070.000	47.39	-6.57	40.82	70.00	-29.18	peak	
2		1070.000	35.72	-6.57	29.15	50.00	-20.85	AVG	
3		1235.000	44.75	-5.66	39.09	70.00	-30.91	peak	
4		1235.000	32.78	-5.66	27.12	50.00	-22.88	AVG	
5		1395.000	46.45	-4.78	41.67	70.00	-28.33	peak	
6	*	1395.000	35.05	-4.78	30.27	50.00	-19.73	AVG	
7		1895.000	41.07	-2.10	38.97	70.00	-31.03	peak	
8		1895.000	29.07	-2.10	26.97	50.00	-23.03	AVG	
9		3175.000	34.99	4.12	39.11	74.00	-34.89	peak	
10		3175.000	25.68	4.12	29.80	54.00	-24.20	AVG	
11		3920.000	32.30	7.03	39.33	74.00	-34.67	peak	
12		3920.000	23.01	7.03	30.04	54.00	-23.96	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3P)

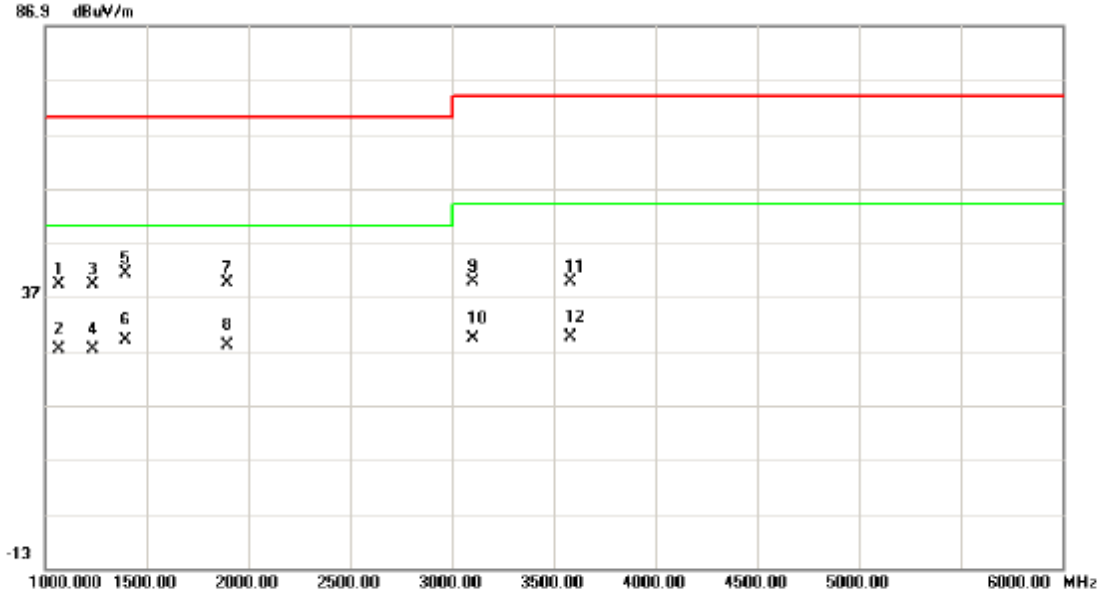
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1065.000	50.55	-6.60	43.95	70.00	-26.05	peak	
2	*	1065.000	38.98	-6.60	32.38	50.00	-17.62	AVG	
3		1230.000	43.89	-5.69	38.20	70.00	-31.80	peak	
4		1230.000	31.79	-5.69	26.10	50.00	-23.90	AVG	
5		1555.000	43.31	-3.91	39.40	70.00	-30.60	peak	
6		1555.000	31.72	-3.91	27.81	50.00	-22.19	AVG	
7		1725.000	41.41	-3.01	38.40	70.00	-31.60	peak	
8		1725.000	29.96	-3.01	26.95	50.00	-23.05	AVG	
9		2780.000	37.04	2.23	39.27	70.00	-30.73	peak	
10		2780.000	26.81	2.23	29.04	50.00	-20.96	AVG	
11		4105.000	32.31	7.36	39.67	74.00	-34.33	peak	
12		4105.000	21.99	7.36	29.35	54.00	-24.65	AVG	

Test Voltage:	AC 240V/50Hz
Test Mode:	Handfset for Adapter (X3P)

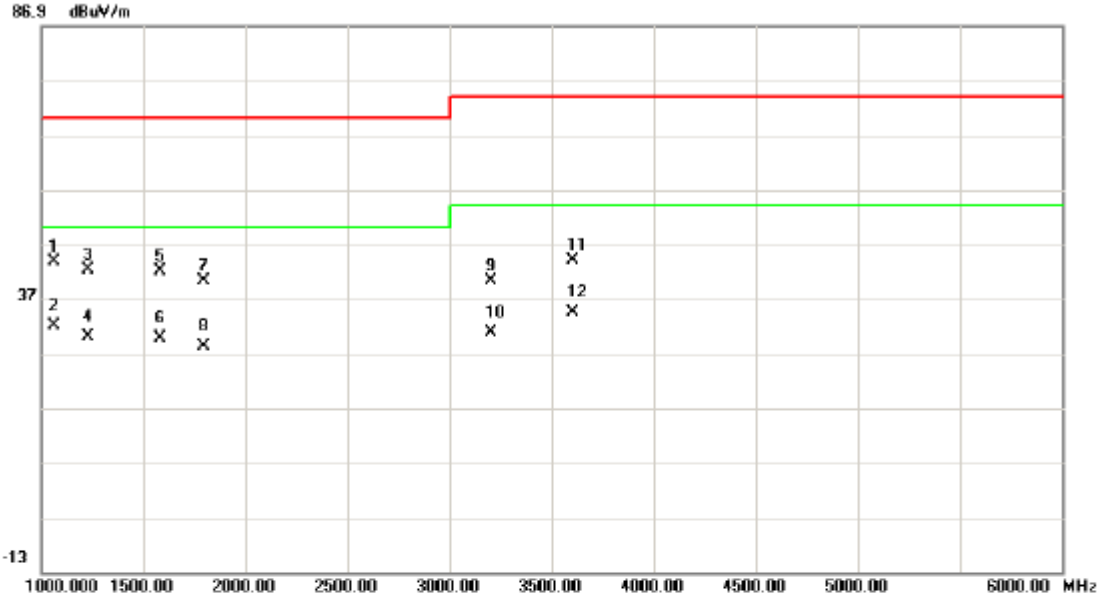
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1070.000	45.96	-6.57	39.39	70.00	-30.61	peak	
2		1070.000	33.77	-6.57	27.20	50.00	-22.80	AVG	
3		1235.000	45.02	-5.66	39.36	70.00	-30.64	peak	
4		1235.000	32.97	-5.66	27.31	50.00	-22.69	AVG	
5		1395.000	45.94	-4.78	41.16	70.00	-28.84	peak	
6	*	1395.000	33.75	-4.78	28.97	50.00	-21.03	AVG	
7		1895.000	41.51	-2.10	39.41	70.00	-30.59	peak	
8		1895.000	30.02	-2.10	27.92	50.00	-22.08	AVG	
9		3100.000	35.89	3.83	39.72	74.00	-34.28	peak	
10		3100.000	25.42	3.83	29.25	54.00	-24.75	AVG	
11		3580.000	34.05	5.70	39.75	74.00	-34.25	peak	
12		3580.000	23.72	5.70	29.42	54.00	-24.58	AVG	

Test Voltage:	DC 48V
Test Mode:	Handfset for PoE (X3P)

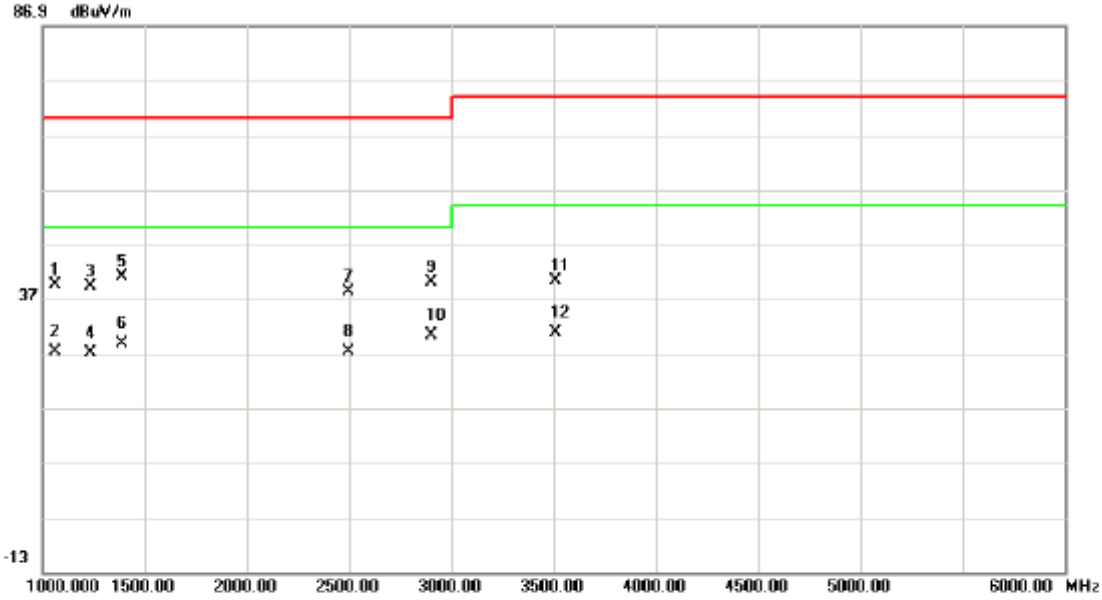
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1065.000	50.50	-6.60	43.90	70.00	-26.10	peak	
2	*	1065.000	38.59	-6.60	31.99	50.00	-18.01	AVG	
3		1230.000	48.03	-5.69	42.34	70.00	-27.66	peak	
4		1230.000	35.71	-5.69	30.02	50.00	-19.98	AVG	
5		1585.000	45.76	-3.75	42.01	70.00	-27.99	peak	
6		1585.000	33.58	-3.75	29.83	50.00	-20.17	AVG	
7		1795.000	42.79	-2.63	40.16	70.00	-29.84	peak	
8		1795.000	30.92	-2.63	28.29	50.00	-21.71	AVG	
9		3205.000	35.99	4.24	40.23	74.00	-33.77	peak	
10		3205.000	26.63	4.24	30.87	54.00	-23.13	AVG	
11		3600.000	38.36	5.78	44.14	74.00	-29.86	peak	
12		3600.000	28.70	5.78	34.48	54.00	-19.52	AVG	

Test Voltage:	DC 48V
Test Mode:	Handfset for PoE (X3P)

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		1065.000	46.23	-6.60	39.63	70.00	-30.37	peak	
2		1065.000	33.98	-6.60	27.38	50.00	-22.62	AVG	
3		1235.000	44.83	-5.66	39.17	70.00	-30.83	peak	
4		1235.000	32.69	-5.66	27.03	50.00	-22.97	AVG	
5		1390.000	45.75	-4.81	40.94	70.00	-29.06	peak	
6		1390.000	33.57	-4.81	28.76	50.00	-21.24	AVG	
7		2495.000	37.63	0.65	38.28	70.00	-31.72	peak	
8		2495.000	26.56	0.65	27.21	50.00	-22.79	AVG	
9		2900.000	37.20	2.89	40.09	70.00	-29.91	peak	
10	*	2900.000	27.32	2.89	30.21	50.00	-19.79	AVG	
11		3510.000	34.74	5.42	40.16	74.00	-33.84	peak	
12		3510.000	25.25	5.42	30.67	54.00	-23.33	AVG	