TESTING LABORATORY
CERTIFICATE #4820.01

FCC PART 15B

TEST REPORT

For

Xiamen Ursalink Technology Co., Ltd.

4/F, No. 63-2 Wanghai Road, 2nd Software Park, Xiamen, China

FCC ID: 2AOSV-UR72-5

Report Type:	**Product Type:**
Original Report	Industrial Cellular Router
Report Number:	RXM180313055-00
Report Date:	2018-05-07
Reviewed By:	Jerry Zhang EMC Manager
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Dongguan) No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China Tel: +86-769-86858888 Fax: +86-769-86858891 www.baclcorp.com.cn

Note: This test report is prepared for the customer shown above and for the device described herein. It may not be duplicated or used in part without prior written consent from Bay Area Compliance Laboratories Corp. (Dongguan).
This report must not be used by the customer to claim product certification, approval, or endorsement by A2LA* or any agency of the Federal Government. * This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk "*"

TABLE OF CONTENTS

GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

EUT Name:		Industrial Cellular Router
EUT Model:		UR75
Multiple Model:		UR72
FCC ID:		2AOSV-UR72-5
Rated Input Voltage:		DC 12V from Adapter
Adapter Information	**Model:**	OH-1015A1201000U1-UL
	Input:	AC100-240V~50/60Hz 350mA
	Output:	DC 12V/1A
External Dimension:		Length (100 mm)*Width (95.8 mm)*High (30 mm)
Serial Number:		180313055
EUT Received Date:		2018.03.14
The highest operation frequency:		5725MHz

Note: The series product, models UR75 and UR72 are electrically identical, we selected UR75 for fully testing .The difference between them was explained in the attached declaration letter.

Objective

This test report is prepared on behalf of *Xiamen Ursalink Technology Co., Ltd.* in accordance with Part 2, Subpart J, and Part 15-Subparts A and B of the Federal Communications Commission's rules.

The objective of the manufacturer is to determine the compliance of EUT with FCC Part 15 B Class B.

Related Submittal(s)/Grant(s)

N/A

Test Methodology

All measurements contained in this report were conducted with ANSI C63.4-2014, American National Standard for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the range of 9 kHz to 40 GHz.

All radiated and conducted emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Dongguan).

Measurement Uncertainty

Parameter	Measurement Uncertainty
Unwanted Emissions, radiated	30M~200MHz: 4.58 dB for Horizontal, 4.59 dB for Vertical 200M~1GHz: 4.83 dB for Horizontal, 5.85 dB for Vertical 1G~6GHz: 4.45 dB, 6G~18GHz: 5.23 dB
Temperature	±1℃
Humidity	±5%
AC Power Lines Conducted Emission	3.12 dB (150 kHz to 30 MHz)

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Dongguan) to collect test data is located on the No.69 Pulongcun, Puxinhu Industry Area, Tangxia, Dongguan, Guangdong, China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 897218,the FCC Designation No. : CN1220.

The test site has been registered with ISED Canada under ISED Canada Registration Number 3062D.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user).

Test mode 1:Operating(Wan+Lan+SD Card+RS232+RS485+I/O work together)

EUT Exercise Software

No EUT software for testing.

Equipment Modifications

No modification was made to the EUT tested.

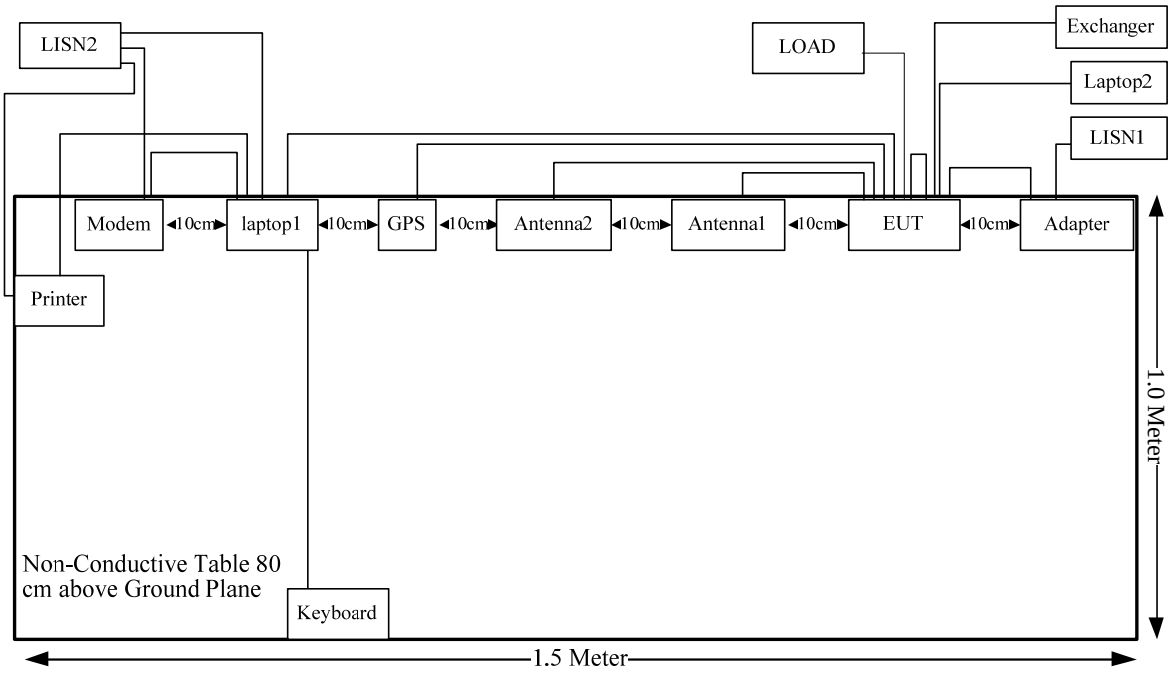
Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
DELL	Laptop	PP11L	HLKYGB1
DELL	Laptop	PP11L	325GP71
TP-LINK	Exchanger	TL-SF1008P	114A297001782
HP	Printer	C3990A	JPZW030603
SAST	Modem	AEM-2100	90200213
DELL	Keyboard	SK-8115	CN-0DJ313-71616-05A-0DSO
Ursalink	LOAD	N/A	N/A

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
RJ45 Cable	No	No	0.8	RJ45 Port of EUT	RJ45 Port of EUT
RJ45 Cable	No	No	0.8	RJ45 Port of EUT	Laptop 1
RJ45 Cable	No	No	10	RJ45 Port of EUT	Laptop 2
RJ45 Cable	No	No	10	RJ45 Port of EUT	Exchanger
Serial Cable	No	No	1.4	Serial Port of Laptop 1	Modem
USB Cable	No	No	2	USB Port of Laptop 1	Keyboard
Parallel Cable	No	No	1.4	Parallel Port of Laptop 1	Printer
Anttena Cable	No	No	1.5	Anttena Port of EUT	Anttena 1
Anttena Cable	No	No	1.5	Anttena Port of EUT	Anttena 2
GPS Antenna Cable	No	No	3	GPS Port of EUT	GPS antenna
Power Cable	No	Yes	1.5	Power Port of EUT	Adapter
Connecting line	No	No	2	EUT	LOAD

Configuration of Test Setup

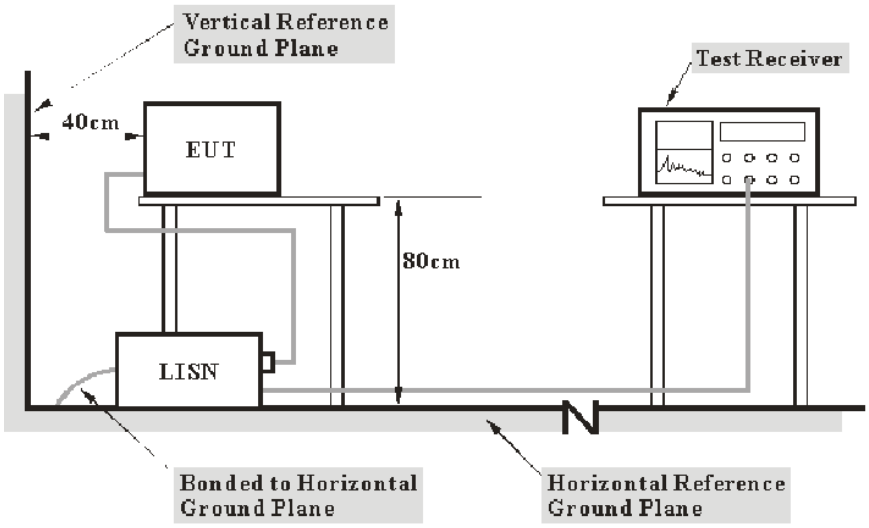


SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Results
§15.107	Conducted Emissions	Compliant
§15.109	Radiated Emissions	Compliant

FCC§15.107 - CONDUCTED EMISSIONS

EUT Setup



Note: 1. Support units were connected to second LISN.
2. Both of LISNs (AMN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per ANSI C63.4-2014 measurement procedure. The specification used was with the FCC Part 15 B Class B limits.

The external I/O cables were draped along the test table and formed a bundle 30 to 40 cm long in the middle.

The adapter was connected to the Main LISN with 120V/60Hz AC power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	IF B/W
150 kHz – 30 MHz	9 kHz

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCS 30	830245/006	2017-12-11	2018-12-11
R&S	Two-line V-network	ENV 216	101614	2017-12-08	2018-12-08
N/A	Coaxial Cable	C-NJNJ-50	C-0200-01	2017-09-05	2018-09-05
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed traceable to National Primary Standards and International System of Units (SI)**.**

Test Procedure

During the conducted emission test, the adapter of EUT was connected to the outlet of the first LISN and the other support equipments were connected to the outlet of the second LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Corrected Amplitude & Margin Calculation

The basic equation is as follows:

$V_C = V_R + A_C + VDF$

Herein,
V_C: corrected voltage amplitude

V_R: reading voltage amplitude

A_c: attenuation caused by cable loss

VDF: voltage division factor of AMN or ISN

The "**Margin**" column of the following data tables indicates the degree of compliance within the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Limit – Corrected Amplitude

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15 B Class B.

Test Data

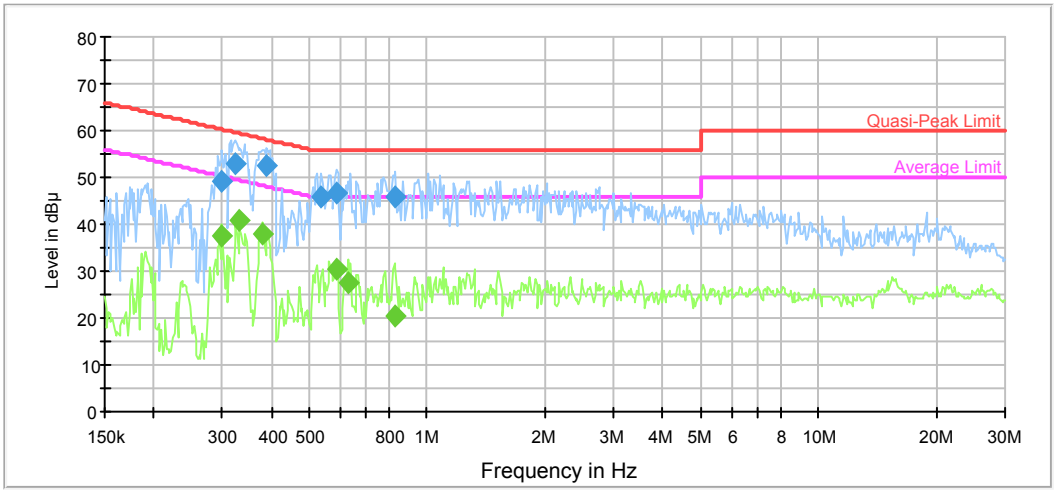
Environmental Conditions

Temperature:	25.8 °C
Relative Humidity:	43 %
ATM Pressure:	100.8kPa

The testing was performed by Jim Zhang on 2018-03-29.

Test Mode: Test Mode 1

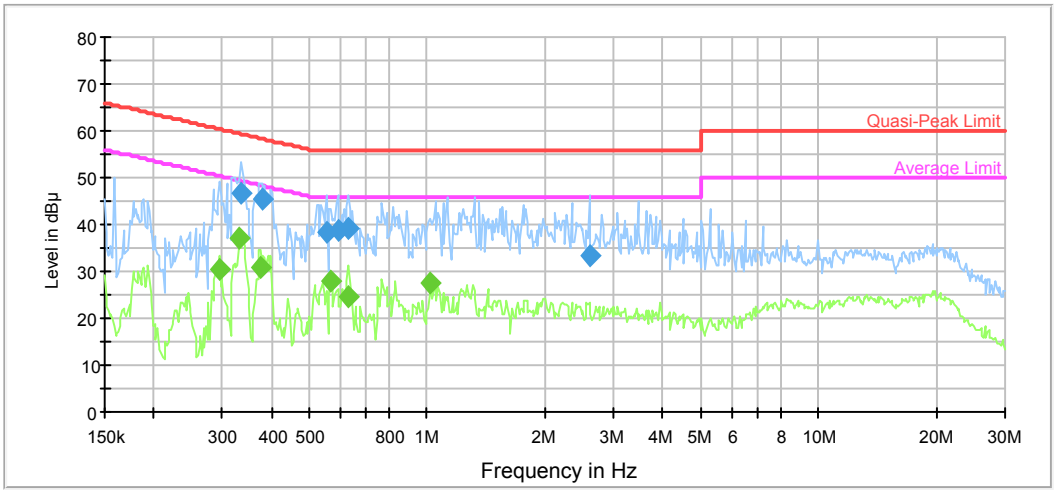
Model: UR75
AC120V, 60Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.300025	49.2	9.000	L1	10.1	11.0	60.2	Compliance
0.322331	52.9	9.000	L1	10.1	6.7	59.6	Compliance
0.390261	52.7	9.000	L1	10.0	5.4	58.1	Compliance
0.536756	45.9	9.000	L1	9.9	10.1	56.0	Compliance
0.585926	46.7	9.000	L1	9.8	9.3	56.0	Compliance
0.831967	45.8	9.000	L1	9.8	10.2	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.300025	37.4	9.000	L1	10.1	12.8	50.2	Compliance
0.332770	40.8	9.000	L1	10.1	8.6	49.4	Compliance
0.381043	38.1	9.000	L1	10.0	10.2	48.3	Compliance
0.585926	30.4	9.000	L1	9.8	15.6	46.0	Compliance
0.629488	27.5	9.000	L1	9.8	18.5	46.0	Compliance
0.825364	20.6	9.000	L1	9.8	25.4	46.0	Compliance

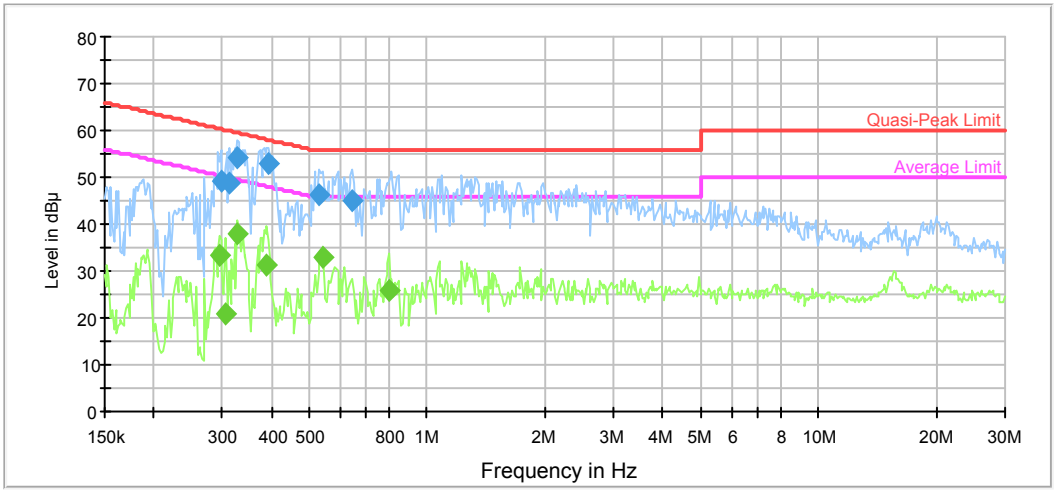
AC120V, 60Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.335433	46.8	9.000	N	10.1	12.5	59.3	Compliance
0.378019	45.3	9.000	N	10.0	13.0	58.3	Compliance
0.554139	38.2	9.000	N	9.9	17.8	56.0	Compliance
0.590613	38.9	9.000	N	9.8	17.1	56.0	Compliance
0.629488	39.3	9.000	N	9.8	16.7	56.0	Compliance
2.599932	33.3	9.000	N	9.8	22.7	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.295282	30.4	9.000	N	10.2	20.0	50.4	Compliance
0.332770	37.2	9.000	N	10.1	12.2	49.4	Compliance
0.375019	31.0	9.000	N	10.0	17.4	48.4	Compliance
0.567545	27.7	9.000	N	9.8	18.3	46.0	Compliance
0.629488	24.4	9.000	N	9.8	21.6	46.0	Compliance
1.023481	27.7	9.000	N	9.8	18.3	46.0	Compliance

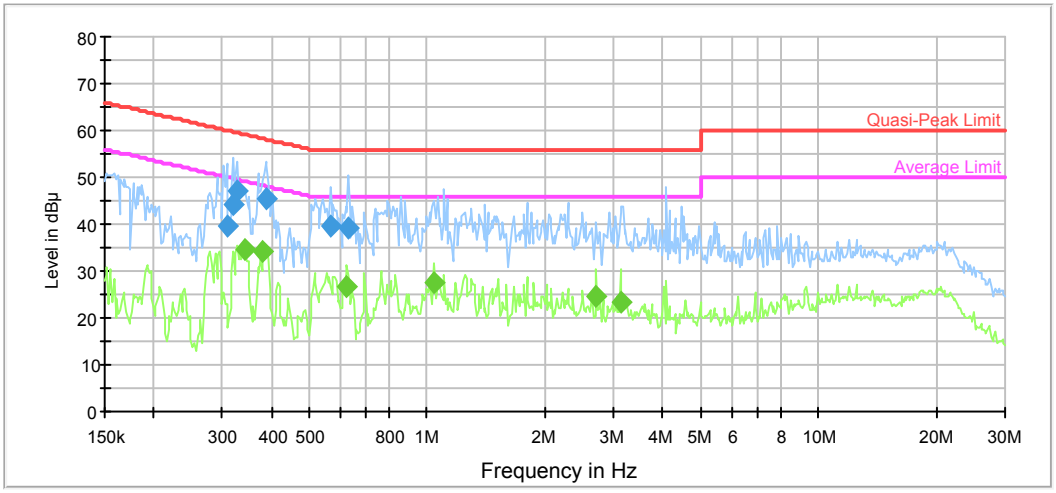
Model: UR72
AC120V, 60Hz, Line:



Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.297644	49.3	9.000	L1	10.2	11.0	60.3	Compliance
0.312220	49.0	9.000	L1	10.1	10.9	59.9	Compliance
0.327509	54.1	9.000	L1	10.1	5.4	59.5	Compliance
0.393383	52.9	9.000	L1	10.0	5.1	58.0	Compliance
0.528270	46.1	9.000	L1	9.9	9.9	56.0	Compliance
0.644717	44.9	9.000	L1	9.8	11.1	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.295282	33.5	9.000	L1	10.2	16.9	50.4	Compliance
0.304845	21.0	9.000	L1	10.1	29.1	50.1	Compliance
0.327509	38.0	9.000	L1	10.1	11.5	49.5	Compliance
0.390261	31.1	9.000	L1	10.0	17.0	48.1	Compliance
0.541050	32.9	9.000	L1	9.9	13.1	46.0	Compliance
0.799472	25.9	9.000	L1	9.8	20.2	46.0	Compliance

AC120V, 60Hz, Neutral:



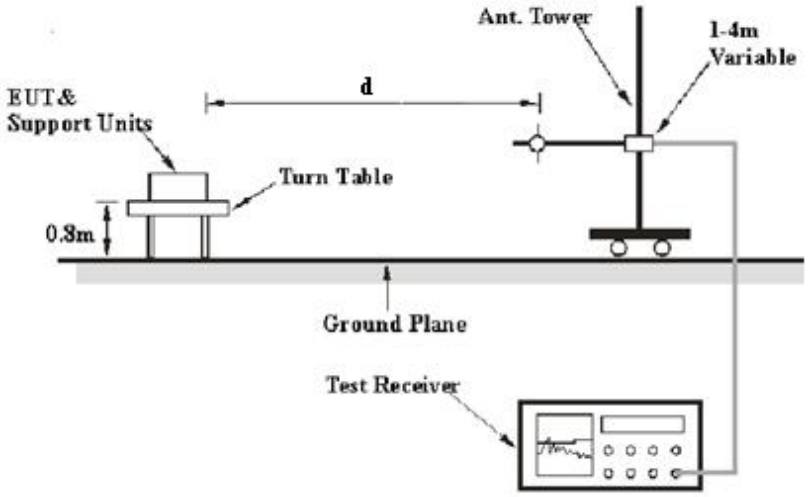
Frequency (MHz)	QuasiPeak (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.307284	39.7	9.000	N	10.1	20.3	60.0	Compliance
0.319773	44.3	9.000	N	10.1	15.4	59.7	Compliance
0.327509	46.9	9.000	N	10.1	12.6	59.5	Compliance
0.387164	45.4	9.000	N	10.0	12.7	58.1	Compliance
0.567545	39.4	9.000	N	9.8	16.6	56.0	Compliance
0.629488	39.1	9.000	N	9.8	16.9	56.0	Compliance

Frequency (MHz)	Average (dBµV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.340821	34.6	9.000	N	10.1	14.6	49.2	Compliance
0.381043	34.4	9.000	N	10.0	13.9	48.3	Compliance
0.624492	26.8	9.000	N	9.8	19.2	46.0	Compliance
1.039922	27.5	9.000	N	9.8	18.5	46.0	Compliance
2.705607	24.8	9.000	N	9.8	21.2	46.0	Compliance
3.122873	23.1	9.000	N	9.8	22.9	46.0	Compliance

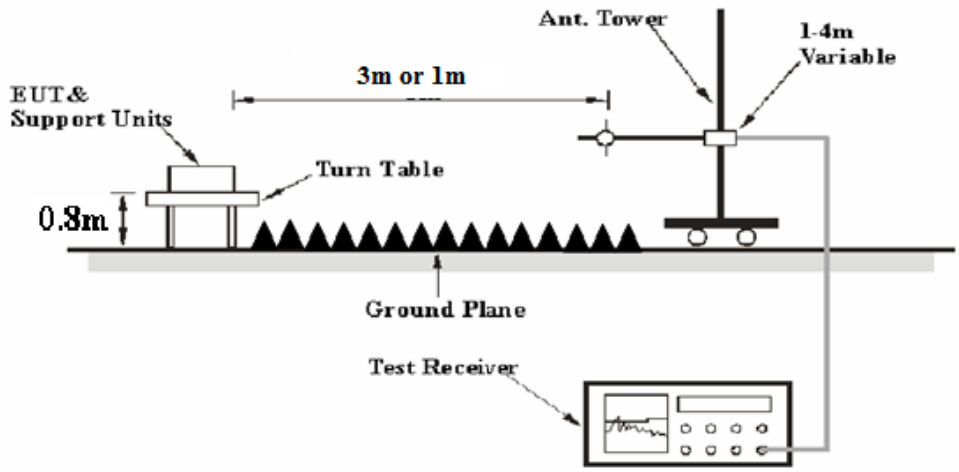
FCC §15.109 - RADIATED SPURIOUS EMISSIONS

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed at the 3 meters in Test Side10m chamber and B, 1GHz to 26.5GHz tests were performed in the 3 meters and 26.5GHz to 40GHz tests were performed in the 1 meter, using the setup accordance with the ANSI C63.4-2014. The specification used was the FCC Part 15.109 Class B limits.

EMI Test Receiver Setup

The system was investigated from 30 MHz to 40 GHz.

During the radiated emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	Video B/W	IF B/W	Detector
30 MHz – 1000 MHz	120 kHz	300 kHz	120 kHz	QP
Above 1 GHz	1 MHz	3 MHz	/	Peak
	1 MHz	Reduced video bandwidth	/	Peak

Test Procedure

During the radiated emissions, the adapter was connected to the first AC floor outlet and the other support equipments were connected to the second AC floor outlet.

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

The data was recorded in the Quasi-peak detection mode for below 1 GHz, peak and average detection mode above 1 GHz.

According to C63.4, the above 1G test result shall be extrapolated to the specified distance using an extrapolation factor of 20dB/decade from 3m to 1 m Distance extrapolation factor =20 log (specific distance [3m]/test distance [1m]) dB= 9.54 dB

All emissions under the average limit and under the noise floor have not recorded in the report.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	EMI Test Receiver	ESCI	100224	2017-09-01	2018-08-31
Sunol Sciences	Antenna	JB3	A060611-1	2017-11-10	2020-11-10
HP	Amplifier	8447D	2727A05902	2017-09-05	2018-09-05
Agilent	Spectrum Analyzer	E4440A	SG43360054	2017-12-08	2018-12-08
R&S	Spectrum Analyzer	FSP 38	100478	2017-12-08	2018-12-08
Ducommun Technolagies	Horn Antenna	ARH-4223-02	1007726-01 1304	2016-11-18	2019-11-18
Ducommun Technolagies	Horn Antenna	ARH-2823-02	1007726-01 1302	2016-11-18	2019-11-18
ETS-Lindgren	Horn Antenna	3115	000 527 35	2016-01-05	2019-01-04
MITEQ	Amplifier	AFS42-00101800-25-S-42	2001271	2017-09-05	2018-09-05
Quinstar	Amplifier	QLW-18405536-JO	15964001001	2017-06-27	2018-06-27
Sinoscite	Bandstop Filters	BSF5150-5850MN-0899-003	0899003	2017-05-06	2018-05-06
E-Microwave	Band-stop Filters	OBSF-2400-2483.5-S	OE01601525	2017-06-16	2018-06-16
N/A	Coaxial Cable	C-NJNJ-50	C-0400-01	2017-09-05	2018-09-05
N/A	Coaxial Cable	C-NJNJ-50	C-0075-01	2017-09-05	2018-09-05
N/A	Coaxial Cable	C-NJNJ-50	C-1000-01	2017-09-05	2018-09-05
N/A	Coaxial Cable	C-SJSJ-50	C-0800-01	2017-09-05	2018-09-05
Farad	Test Software	EZ-EMC	V1.1.4.2	N/A	N/A

*** Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude = Meter Reading + Antenna Factor + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7 dB means the emission is 7 dB below the limit. The equation for margin calculation is as follows:
Margin = Limit – Corrected Amplitude

Test Data

Environmental Conditions

Temperature:	24.5~26.1 °C
Relative Humidity:	46~50 %
ATM Pressure:	100.6~100.9 kPa

** The testing was performed by Redick Zhang on 2018-04-13 and 2018-04-29.*

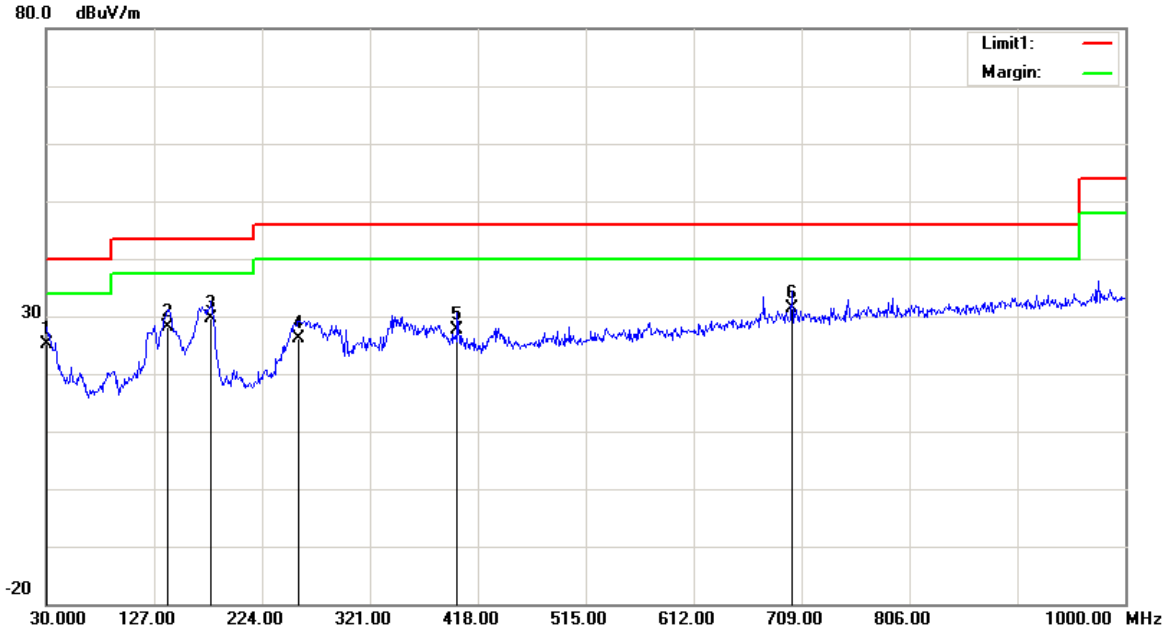
Test Result: Compliance

Test Mode: Test Mode 1

Model:UR75

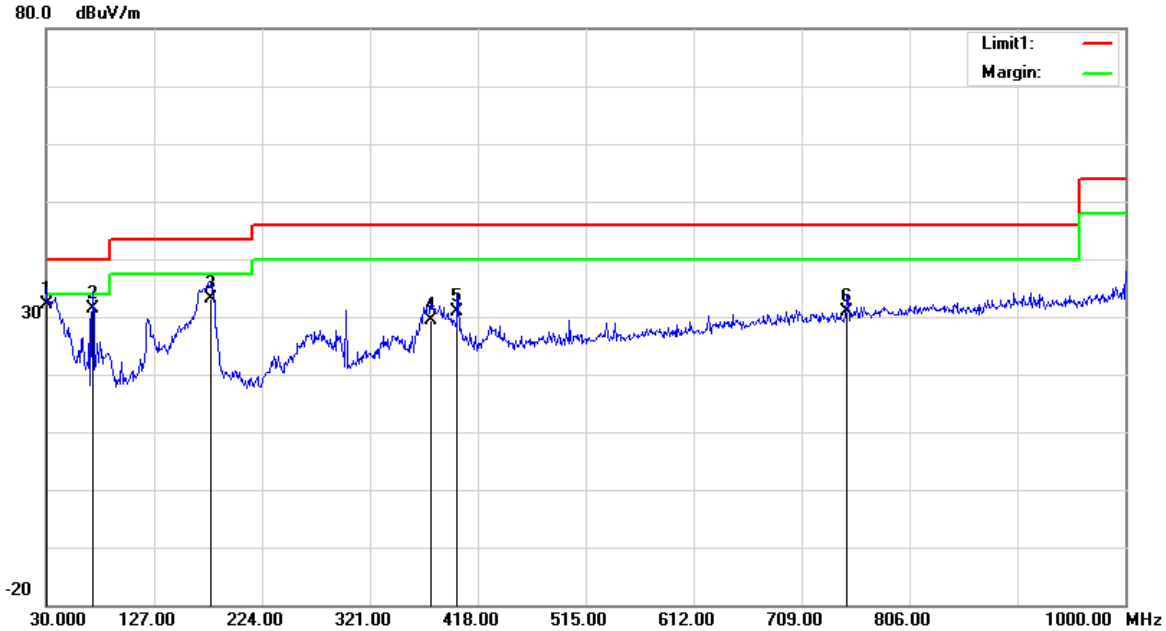
1) Below 1GHz:

Horizontal



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.9700	24.29	QP	0.81	25.10	40.00	14.90
139.6100	33.92	QP	-5.72	28.20	43.50	15.30
178.4100	36.94	QP	-7.34	29.60	43.50	13.90
256.9800	32.02	QP	-5.82	26.20	46.00	19.80
399.5700	29.63	QP	-2.03	27.60	46.00	18.40
700.2700	28.14	QP	3.16	31.30	46.00	14.70

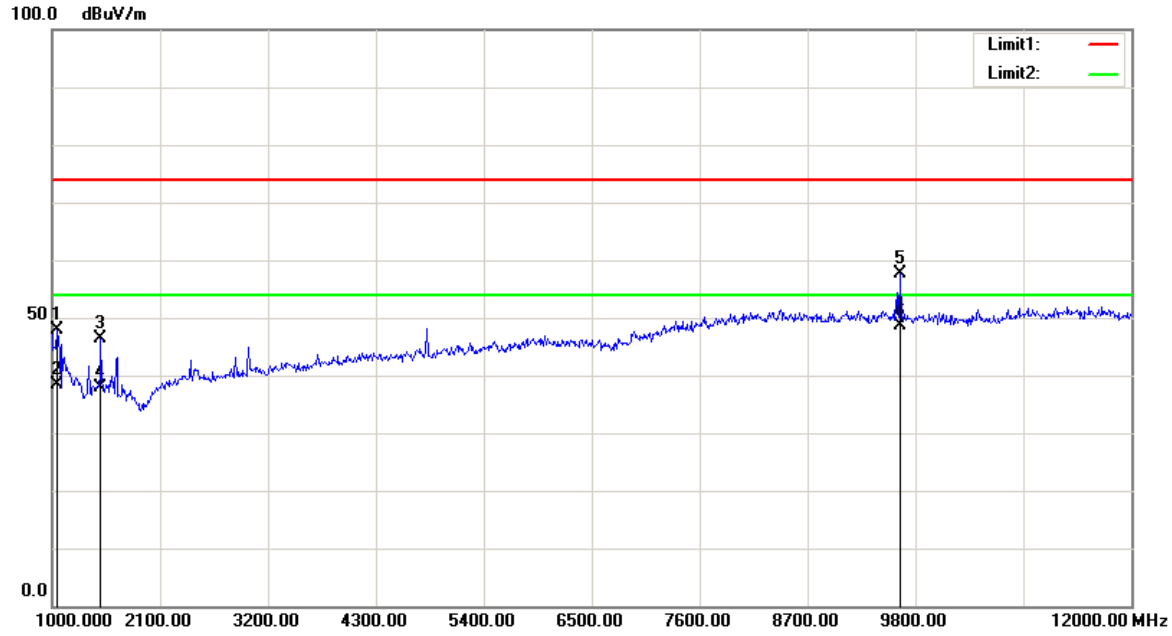
Vertical



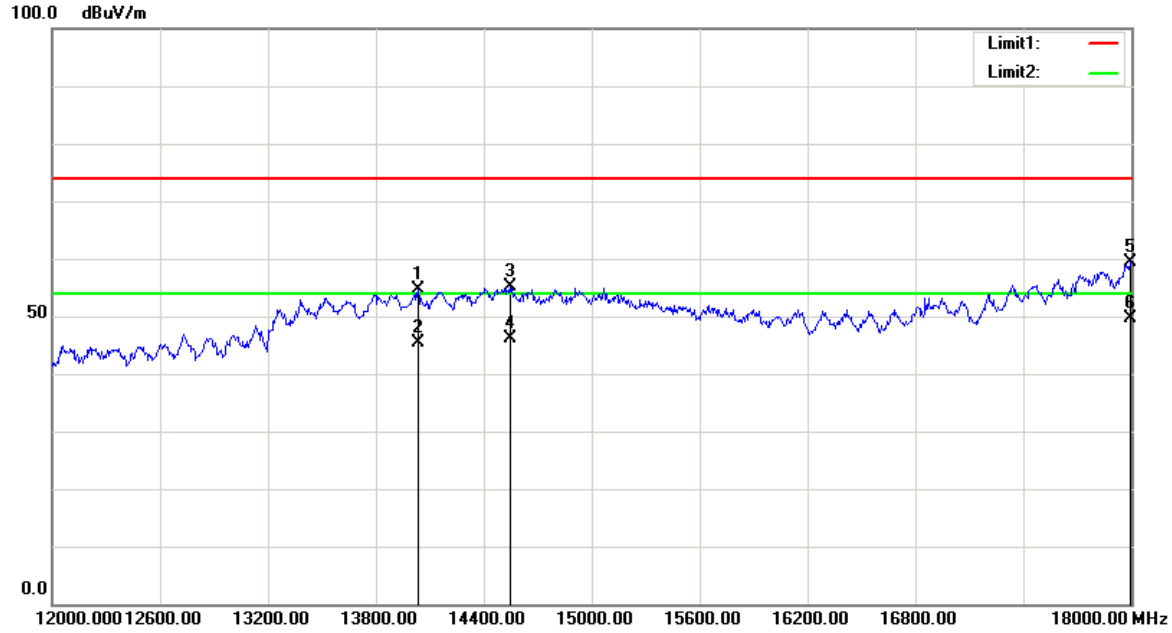
Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.0000	30.56	QP	1.54	32.10	40.00	7.90
71.7100	42.71	QP	-11.31	31.40	40.00	8.60
178.4100	40.44	QP	-7.34	33.10	43.50	10.40
375.3200	32.16	QP	-2.66	29.50	46.00	16.50
399.5700	33.03	QP	-2.03	31.00	46.00	15.00
749.7400	27.23	QP	3.57	30.80	46.00	15.20

2) Above 1GHz:

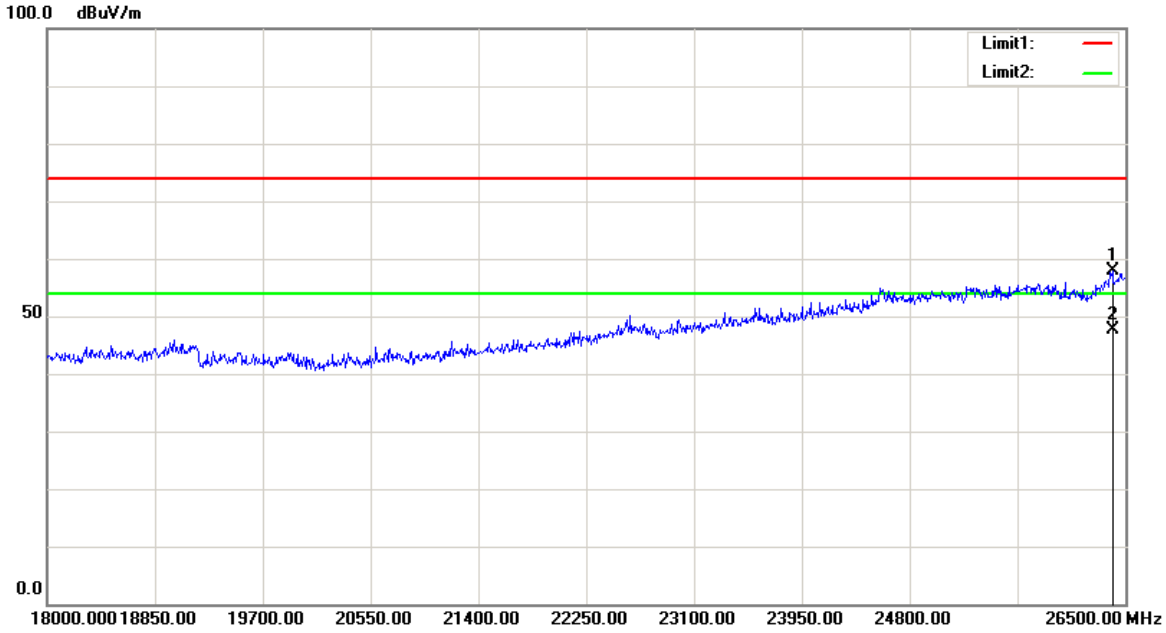
Horizontal



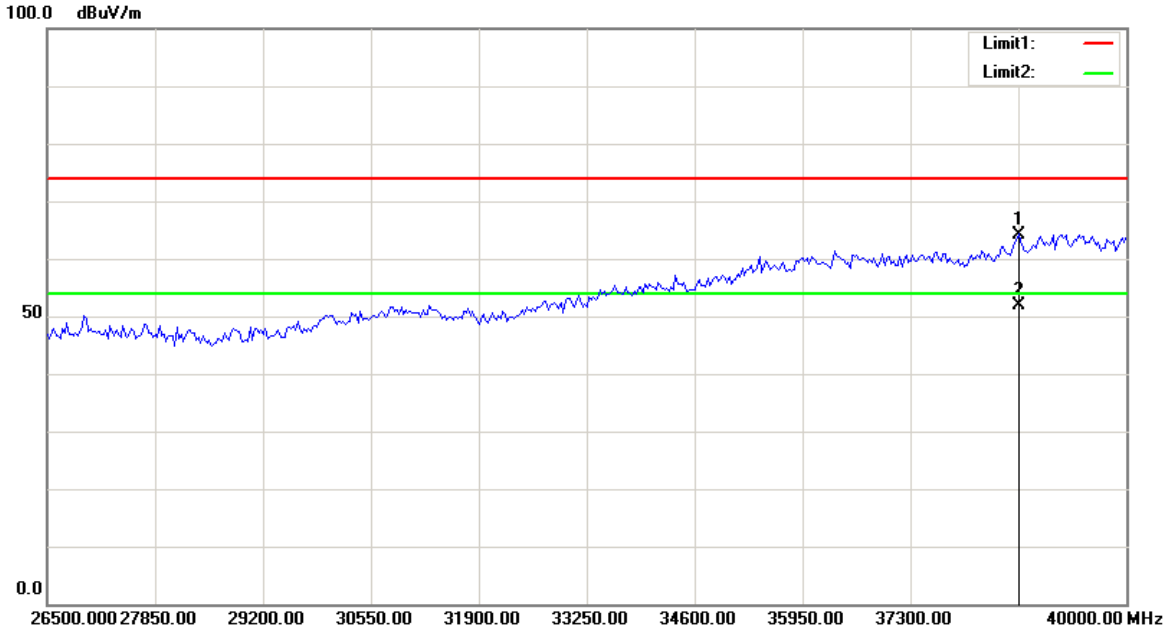
Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1049.500	58.31	peak	-10.53	47.78	74.00	26.22
1049.500	49.03	AVG	-10.53	38.50	54.00	15.50
1500.500	55.53	peak	-9.12	46.41	74.00	27.59
1500.500	46.92	AVG	-9.12	37.80	54.00	16.20
9646.000	50.59	peak	7.14	57.73	74.00	16.27
9646.000	41.46	AVG	7.14	48.60	54.00	5.40



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
14034.000	45.15	peak	9.40	54.55	74.00	19.45
14034.000	35.90	AVG	9.40	45.30	54.00	8.70
14547.000	44.81	peak	10.27	55.08	74.00	18.92
14547.000	35.93	AVG	10.27	46.20	54.00	7.80
17997.000	42.15	peak	17.13	59.28	74.00	14.72
17997.000	32.57	AVG	17.13	49.70	54.00	4.30

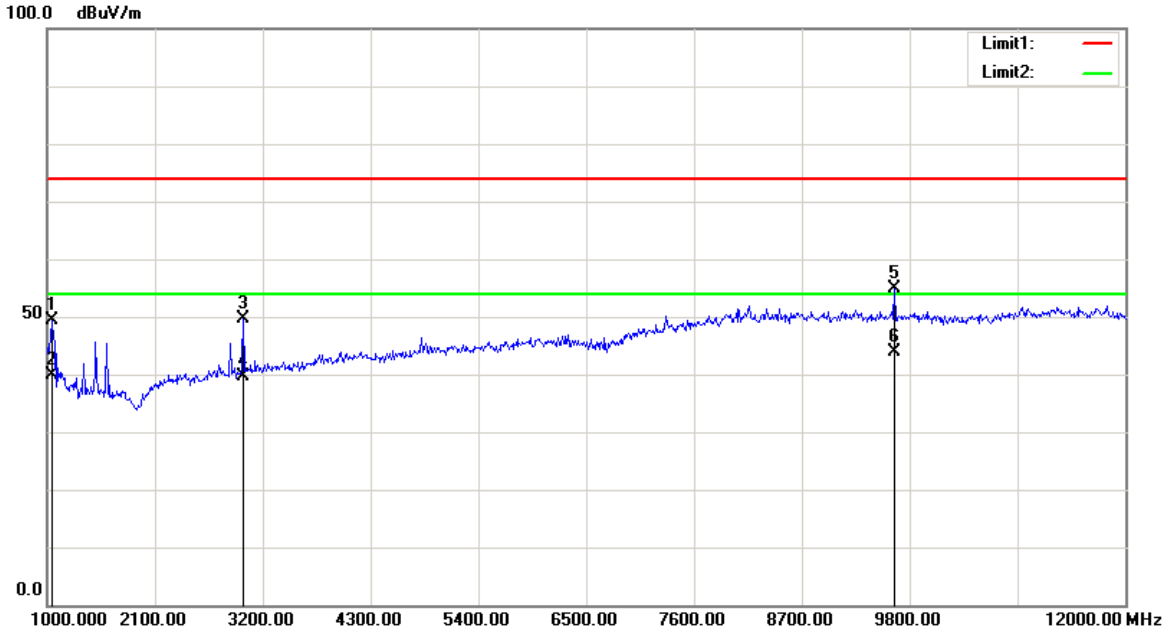


Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
26398.000	36.54	peak	21.40	57.94	74.00	16.06
26398.000	26.20	AVG	21.40	47.60	54.00	6.40

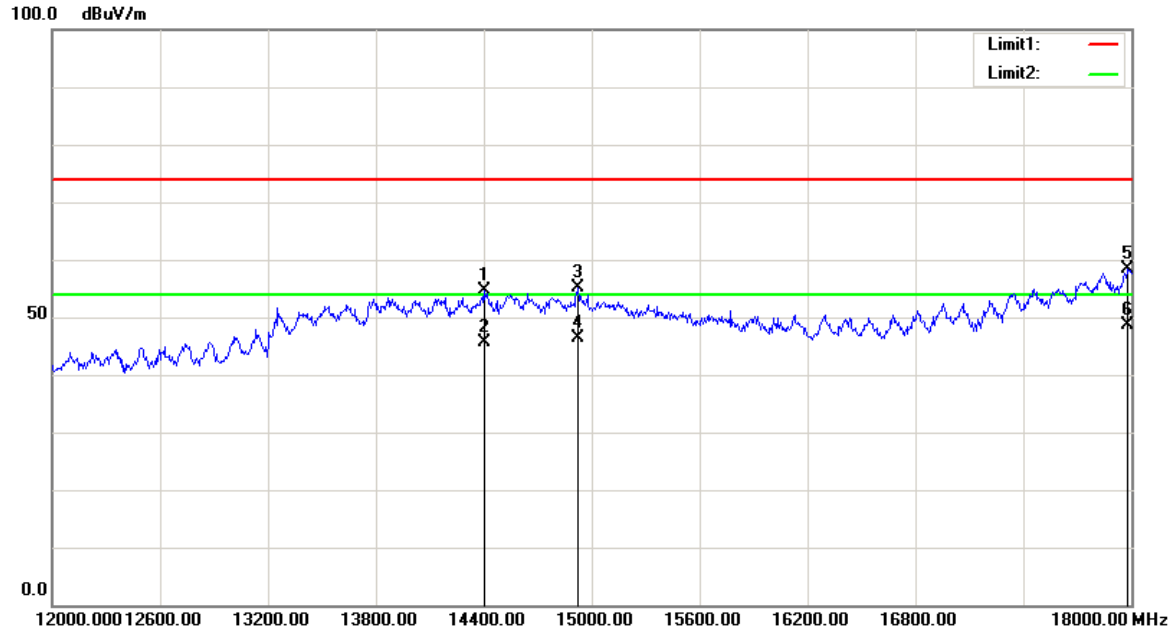


Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
38650.000	48.03	peak	16.22	64.25	74.00	9.75
38650.000	35.68	AVG	16.22	51.90	54.00	2.10

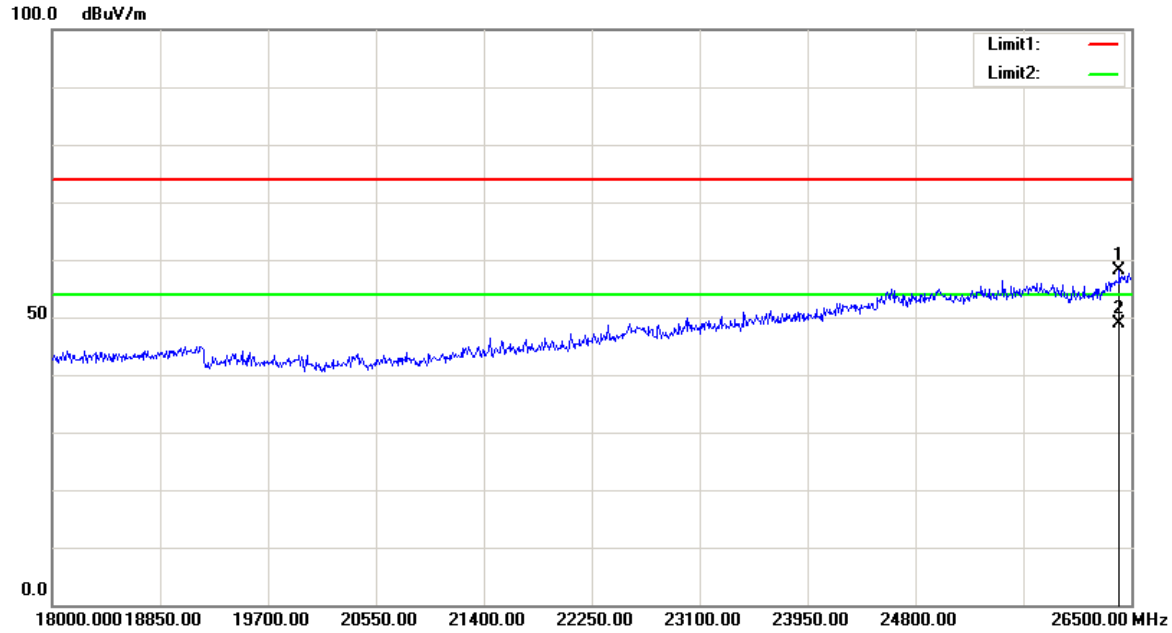
Vertical



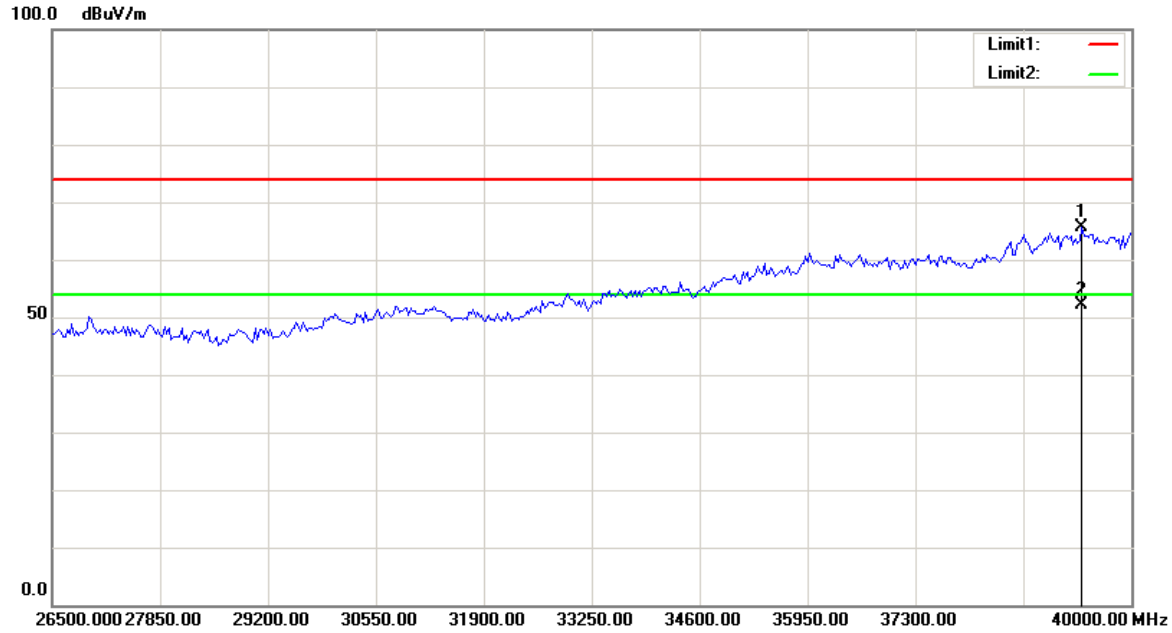
Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1049.500	59.89	peak	-10.53	49.36	74.00	24.64
1049.500	50.33	AVG	-10.53	39.80	54.00	14.20
3002.000	54.40	peak	-4.82	49.58	74.00	24.42
3002.000	44.52	AVG	-4.82	39.70	54.00	14.30
9646.000	47.67	peak	7.14	54.81	74.00	19.19
9646.000	36.76	AVG	7.14	43.90	54.00	10.10



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
14400.000	44.45	peak	10.12	54.57	74.00	19.43
14400.000	35.48	AVG	10.12	45.60	54.00	8.40
14925.000	45.07	peak	9.96	55.03	74.00	18.97
14925.000	36.34	AVG	9.96	46.30	54.00	7.70
17985.000	41.42	peak	17.05	58.47	74.00	15.53
17985.000	31.65	AVG	17.05	48.70	54.00	5.30



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
26410.750	36.60	peak	21.45	58.05	74.00	15.95
26410.750	27.45	AVG	21.45	48.90	54.00	5.10

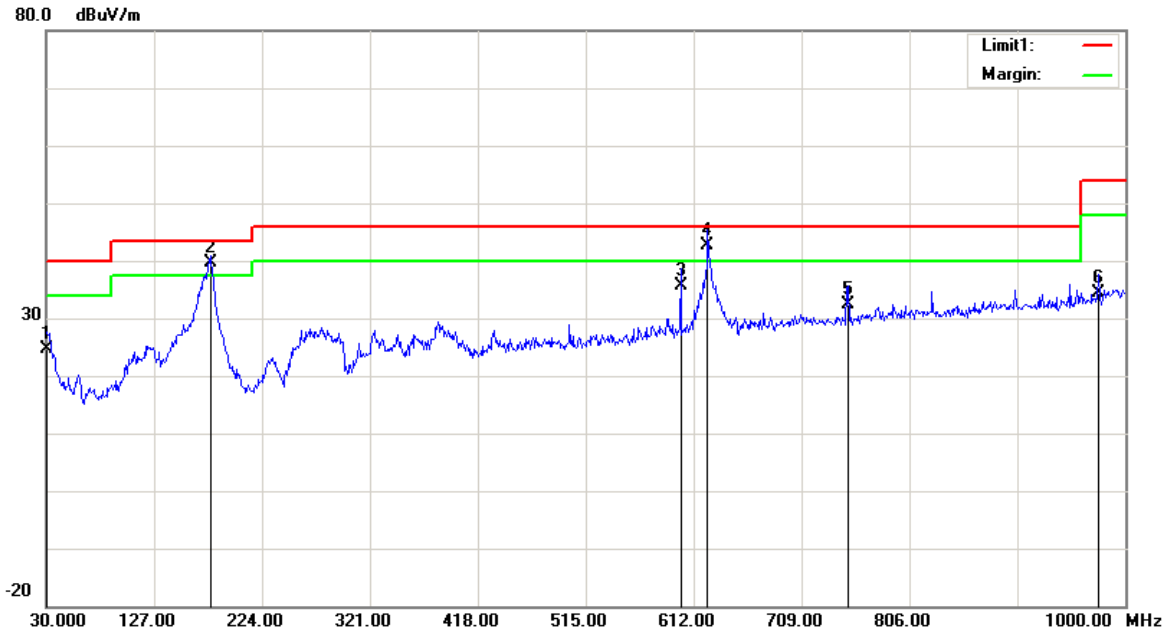


Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
39379.000	49.64	peak	16.02	65.66	74.00	8.34
39379.000	36.16	AVG	16.02	52.18	54.00	1.82

Model:UR72

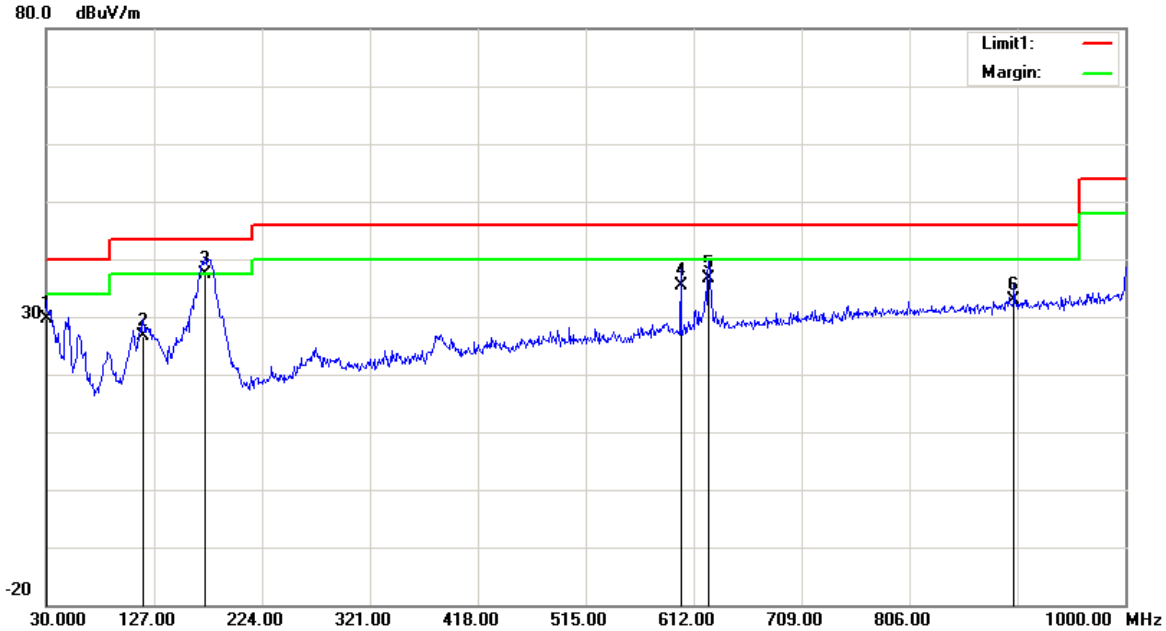
3) Below 1GHz:

Horizontal



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.9700	23.79	QP	0.81	24.60	40.00	15.40
177.4400	46.99	QP	-7.29	39.70	43.50	3.80
600.3600	34.73	QP	0.87	35.60	46.00	10.40
624.6100	40.92	QP	1.68	42.60	46.00	3.40
750.7100	28.88	QP	3.62	32.50	46.00	13.50
975.7500	5.32	QP	29.18	34.50	54.00	19.50

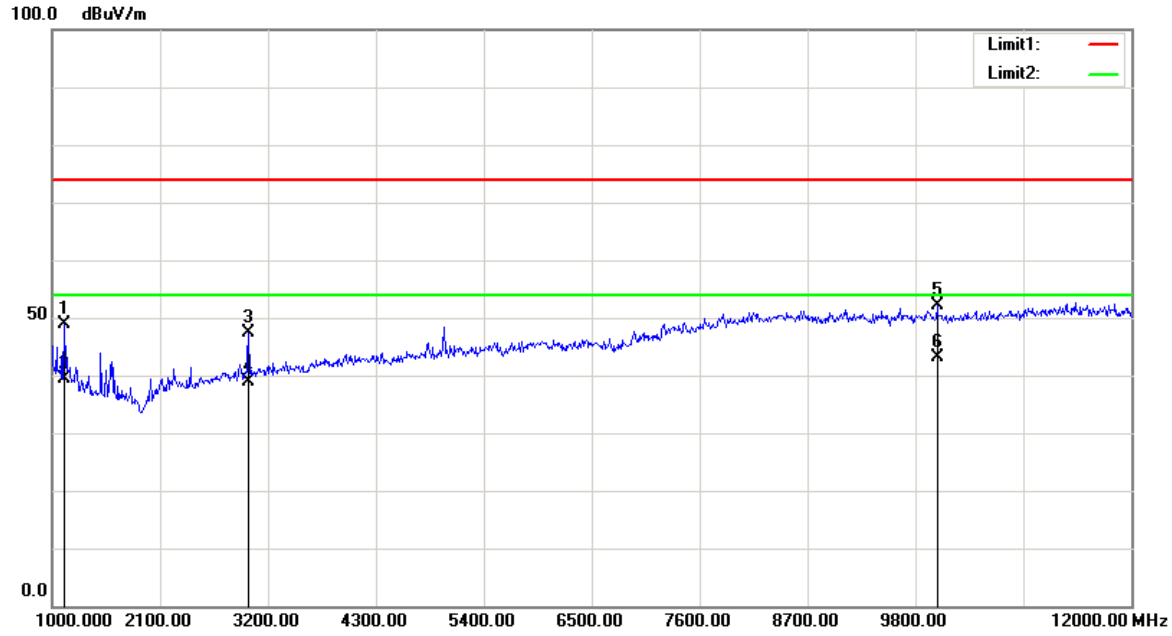
Vertical



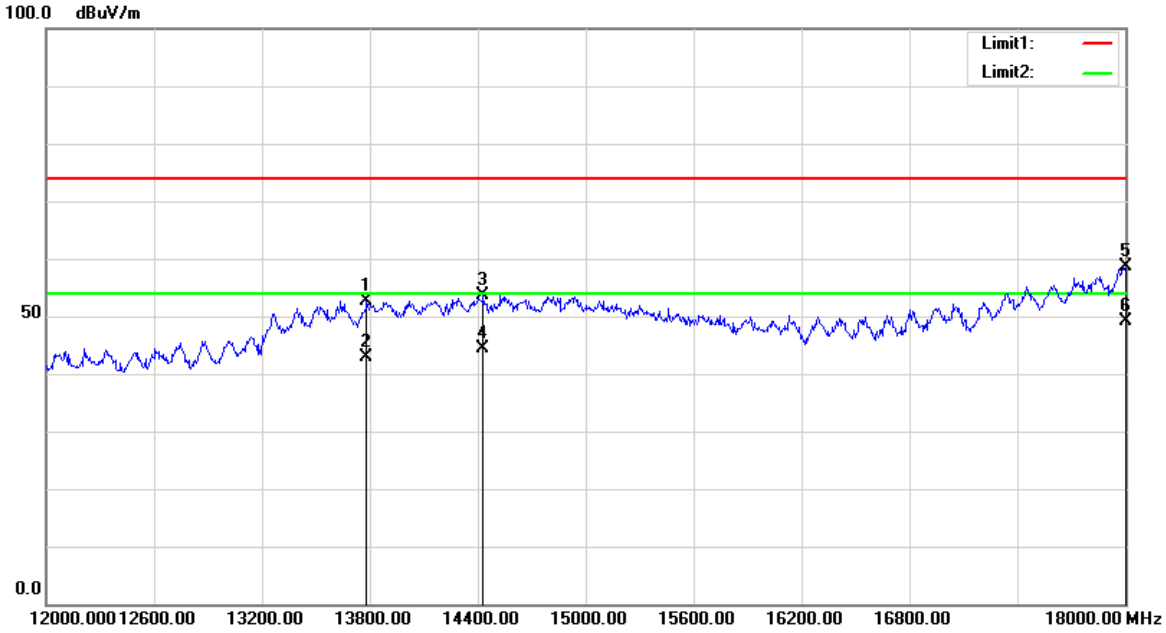
Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
30.0000	28.16	QP	1.54	29.70	40.00	10.30
117.3000	31.77	QP	-5.17	26.60	43.50	16.90
172.5900	44.38	QP	-7.08	37.30	43.50	6.20
600.3600	34.43	QP	0.87	35.30	46.00	10.70
625.5800	34.98	QP	1.72	36.70	46.00	9.30
900.0900	26.58	QP	6.22	32.80	46.00	13.20

4) Above 1GHz:

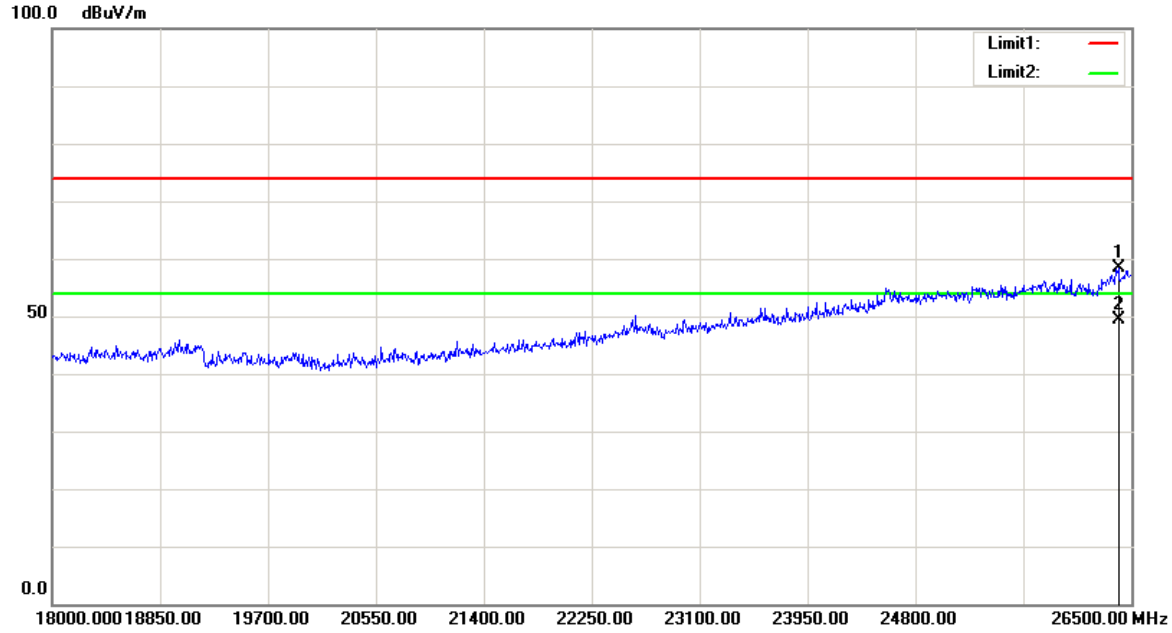
Horizontal



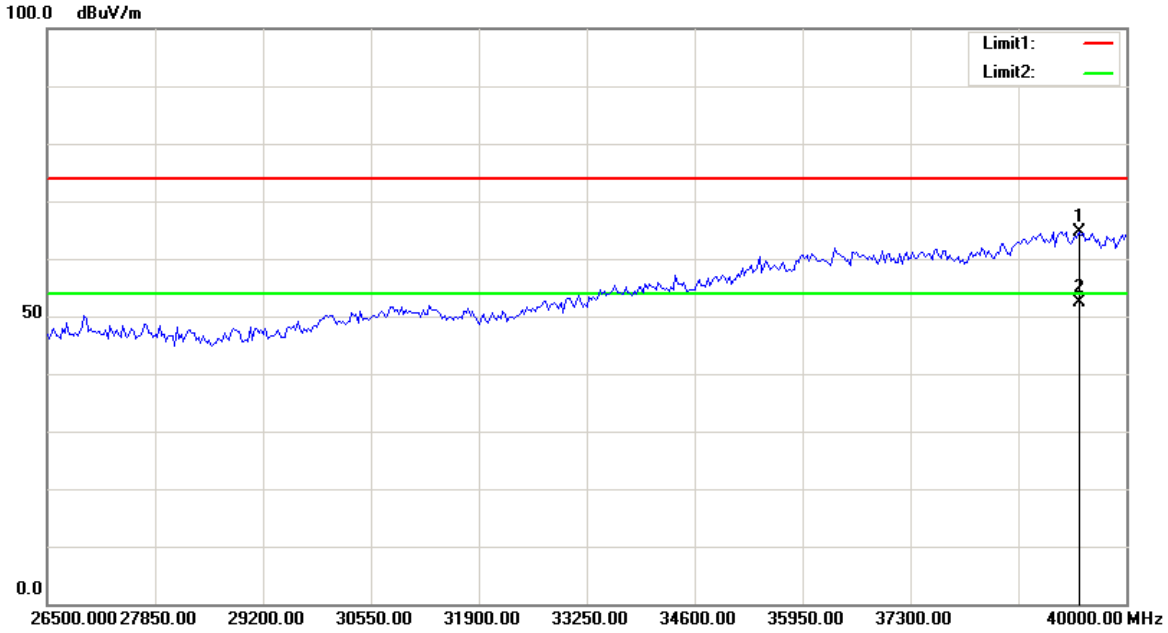
Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1126.500	58.96	peak	-10.20	48.76	74.00	25.24
1126.500	49.50	AVG	-10.20	39.30	54.00	14.70
3002.000	52.31	peak	-4.82	47.49	74.00	26.51
3002.000	43.62	AVG	-4.82	38.80	54.00	15.20
10020.000	44.70	peak	7.41	52.11	74.00	21.89
10020.000	35.79	AVG	7.41	43.20	54.00	10.80



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
13785.000	43.50	peak	9.24	52.74	74.00	21.26
13785.000	33.56	AVG	9.24	42.80	54.00	11.20
14433.000	43.41	peak	10.18	53.59	74.00	20.41
14433.000	34.12	AVG	10.18	44.30	54.00	9.70
18000.000	41.44	peak	17.15	58.59	74.00	15.41
18000.000	32.05	AVG	17.15	49.20	54.00	4.80

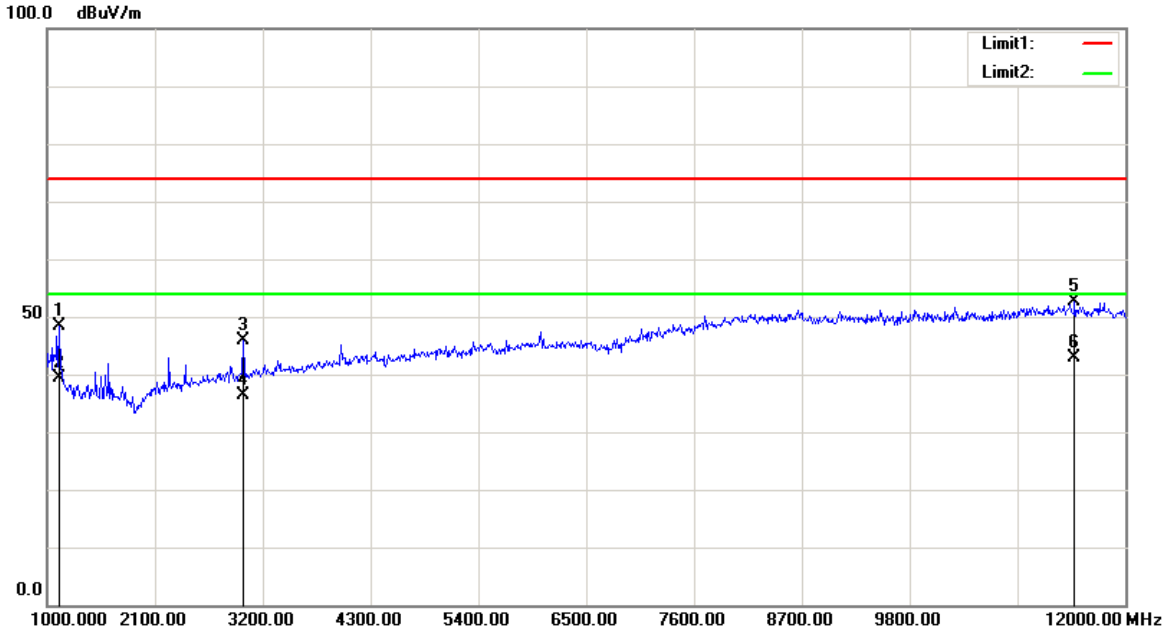


Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
26398.000	37.04	peak	21.40	58.44	74.00	15.56
26398.000	27.90	AVG	21.40	49.30	54.00	4.70

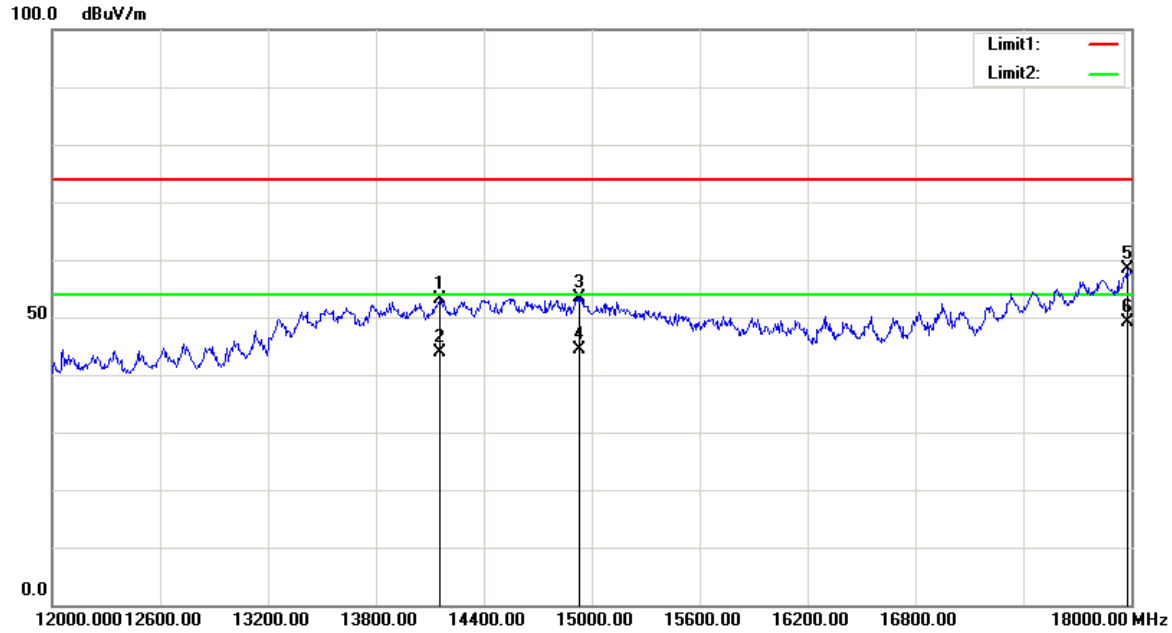


Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
39406.000	48.74	peak	15.99	64.73	74.00	9.27
39406.000	36.41	AVG	15.99	52.40	54.00	1.60

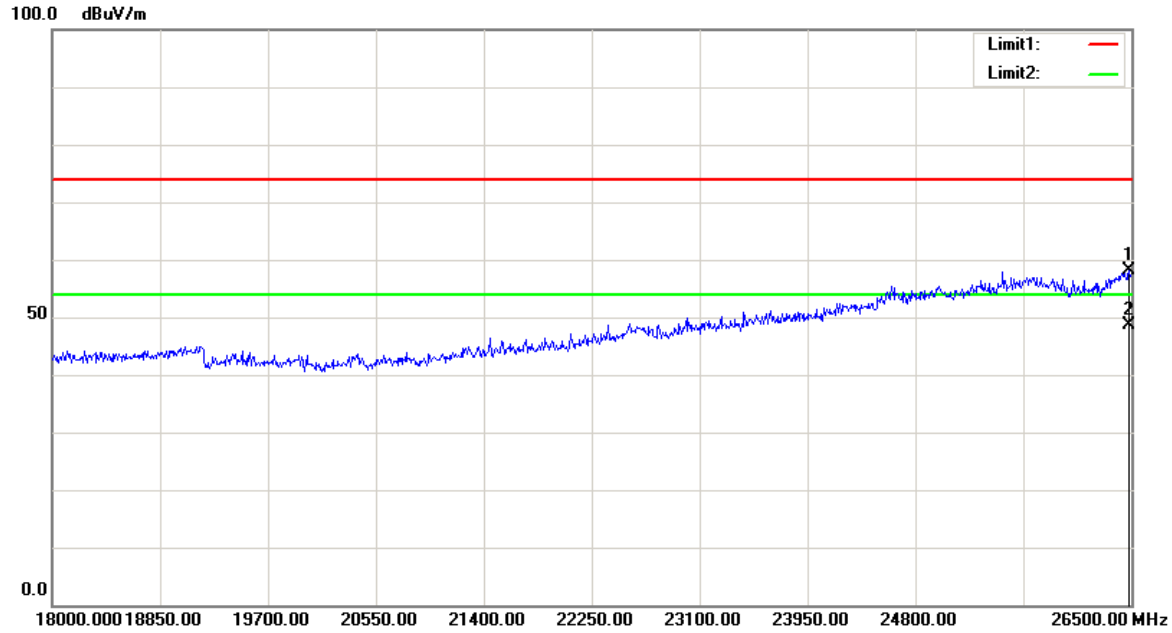
Vertical



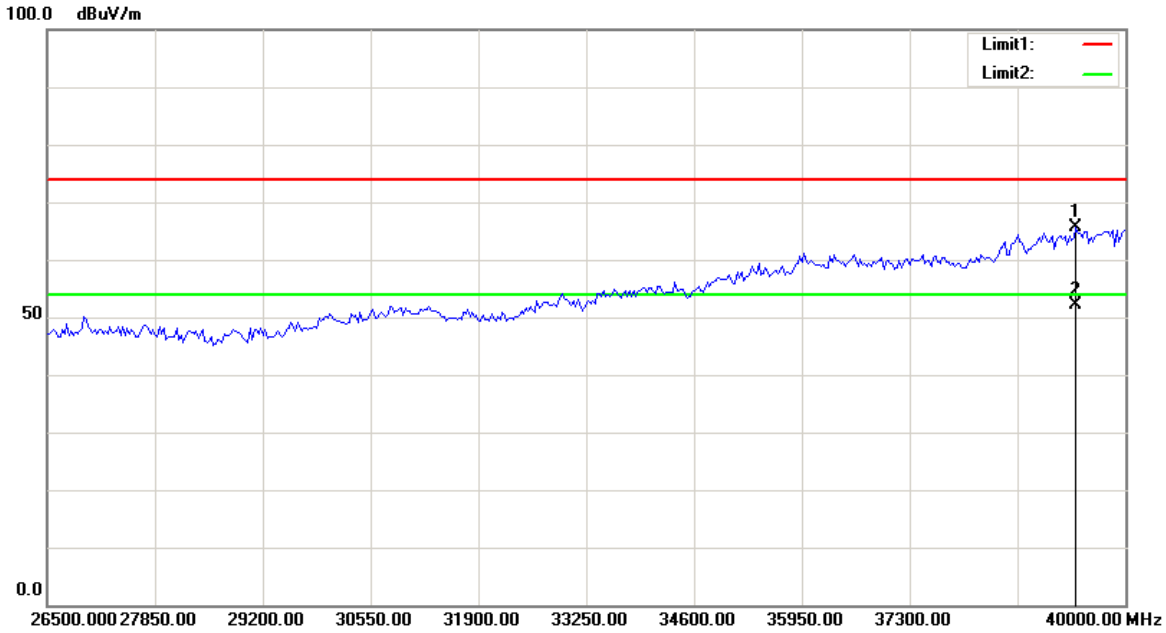
Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
1126.500	58.61	peak	-10.20	48.41	74.00	25.59
1126.500	49.50	AVG	-10.20	39.30	54.00	14.70
3002.000	50.81	peak	-4.82	45.99	74.00	28.01
3002.000	41.32	AVG	-4.82	36.50	54.00	17.50
11488.500	44.42	peak	8.23	52.65	74.00	21.35
11488.500	34.57	AVG	8.23	42.80	54.00	11.20



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
14154.000	43.55	peak	9.63	53.18	74.00	20.82
14154.000	34.17	AVG	9.63	43.80	54.00	10.20
14934.000	43.41	peak	9.96	53.37	74.00	20.63
14934.000	34.54	AVG	9.96	44.50	54.00	9.50
17976.000	41.46	peak	16.98	58.44	74.00	15.56
17976.000	32.22	AVG	16.98	49.20	54.00	4.80



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
26487.250	36.36	peak	21.79	58.15	74.00	15.85
26487.250	26.81	AVG	21.79	48.60	54.00	5.40



Frequency (MHz)	Receiver Reading (dBµV)	Detector	Correction Factor (dB/m)	Cord. Amp. (dBµV/m)	Limit (dBµV/m)	Margin (dB)
39379.000	49.64	peak	16.02	65.66	74.00	8.34
39379.000	36.18	AVG	16.02	52.20	54.00	1.80

******END OF REPORT******