



FCC PART 15 B TEST REPORT

For

Shanghai Wanyoo Information Technology Co.,Ltd.

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China

FCC ID: 2AK7T-YPC27

Report Type: Original Report	Product Name: All – in –One – PC
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Report Number: <u>RDG161114003</u>	
Report Date: <u>2017-02-22</u>	
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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The **Shanghai Wanyoo Information Technology Co.,Ltd.**'s product, model number: **yPC-27 (FCC ID: 2AK7T-YPC27)** (the "EUT") in this report was a **All – in – One – PC**, which was measured approximately: 67 cm (L) × 20 cm (W) × 51 cm (H), rated input voltage: DC19V from adapter. The highest operating frequency is 2480 MHz.

Switching Power Adapter Information:

Model No: FSP220-ABAN2

AC Input: 100-240V~, 3A, 50/60Hz

DC Output: 19V 11.57A

*Note: The products, test model: yPC-27, multiple model: yPC ****. Their differences were presented in Product Difference Statement provided by the applicant. And we selected yPC-27 to fully test.*

**All measurement and test data in this report was gathered from final production sample, serial number: 161114003 (assigned by the BACL, Chengdu). It may have deviation from any other sample. The EUT supplied by the applicant was received on 2016-11-18, and EUT conformed to test requirement.*

Objective

This test report is prepared on behalf of **Shanghai Wanyoo Information 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)

No related submittal(s)/grant(s).

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.

The uncertainty of conducted disturbance at mains port is ± 3.17 dB, the uncertainty of any radiation on emissions measurement is:

30M~200MHz: ± 4.7 dB;

200M~1GHz: ± 6.0 dB;

1G~6GHz: ± 5.13 dB;

6G~25GHz: ± 5.47 dB;

And the uncertainty will not be taken into consideration for all test data recorded in the report.

Test Facility

The test site used by BACL to collect test data is located in the No.5040, Huilongwan Plaza, No.1, Shawan Road, Jinniu District, Chengdu, Sichuan, China.

Test site at BACL has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on April 24, 2015. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2014.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 560332. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The system was configured for testing in a typical fashion (as normally used by a typical user). When Test, the EUT run the test software "BurnIn.exe v5.3" to transmit data with HDD, and link with monitor via HDMI cable, the Screen Resolution was set to High Resolution (1920*1080), middle Resolution (1280*1024) and Low Resolution (800*600) for testing and downloading form internet via RJ45 or WIFI.

EUT Exercise Software

The software "BurnIn.exe v5.3" was used during test.

Equipment Modifications

No modification was made to the EUT tested.

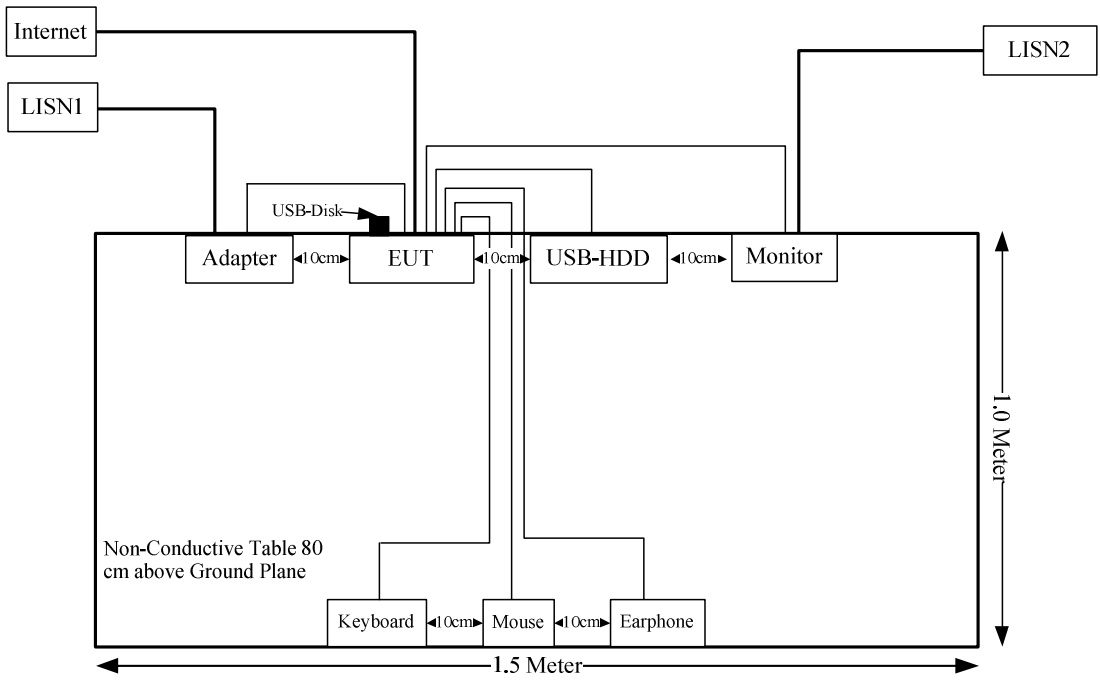
Local Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
XI40MI	Earphone	T9	N/A
KINGSTON	USB Disk	101GB	N/A
QICAIHONG	MOUSE	C-K102	C K102091106646
TOSHIBA	HDD	V63700-A	1397FHOYSRE8
IBM	Keyboard	KM-110X	XBK133000993
PHILIPS	Monitor	227E3L	AU3A1140001077

Support Cable List and Details

Cable Description	Shielding Type	Ferrite Core	Length (m)	From Port	To
Mouse Cable	yes	No	1.5	USB Port of EUT	Mouse
Keyboard Cable	yes	No	1.5	USB Port of EUT	Keyboard
Earphone Cable	No	No	2	Audio Port of EUT	Earphone
Hard Disk USB Cable	No	No	0.4	USB Port of HDD	EUT
HDMI Cable	yes	yes	1.5	Monitor	EUT

Configuration of Test Setup



SUMMARY OF TEST RESULTS

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

FCC§15.107 - CONDUCTED EMISSIONS

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are Receiver, cable loss, and LISN.

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} of Table 1, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} of Table 1, then:

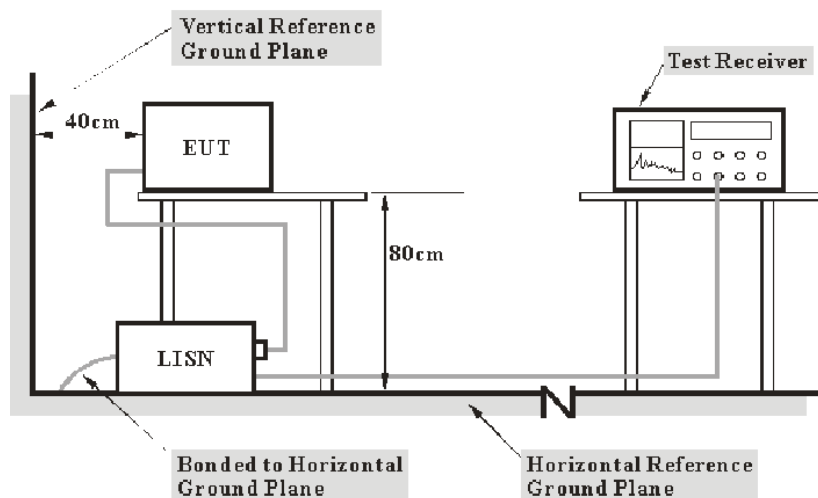
- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

Based on CISPR 16-4-2:2011, measurement uncertainty of conducted disturbance at mains port using AMN at Bay Area Compliance Laboratories Corp. (Chengdu) is ± 3.17 dB (150 kHz to 30 MHz).

Table 1 – Values of U_{cispr}

Measurement	U_{cispr}
Conducted disturbance at mains port using AMN (150 kHz to 30 MHz)	3.4 dB

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 a 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
Rohde & Schwarz	EMI Test Receiver	ESCS 30	836858/0016	2016-12-02	2017-12-01
Rohde & Schwarz	L.I.S.N.	ENV216	100018	2016-12-02	2017-12-01
Rohde & Schwarz	PULSE LIMITER	ESH3Z2	DE14781	2016-10-31	2017-10-30
N/A	Conducted Cable	NO.5	N/A	2016-11-10	2017-11-09
R&S	Test Software	EMC32	Version8.53.0	N/A	N/A

* **Statement of Traceability:** BACL (Chengdu) attested 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 laptop 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 maximum limit. The equation for margin calculation is as follows:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Data

Environmental Conditions

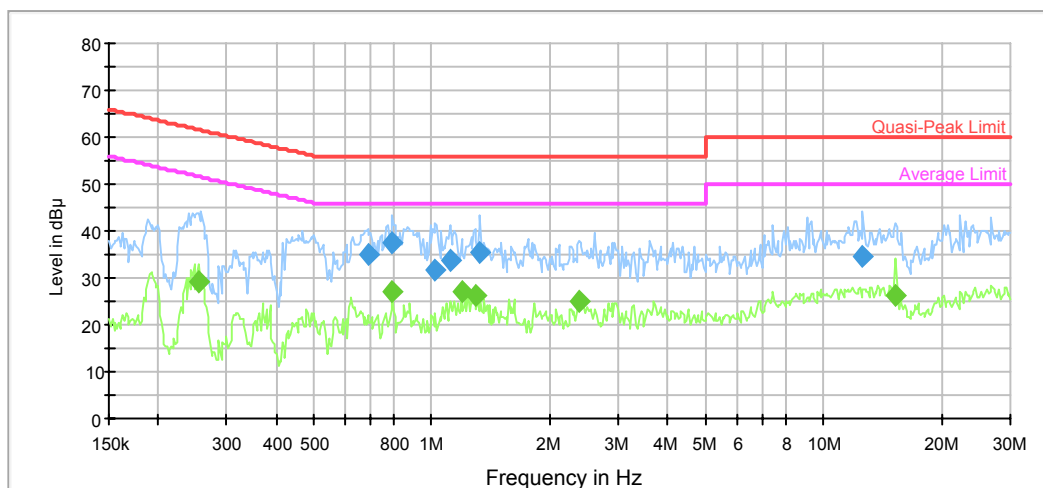
Temperature:	24.4°C
Relative Humidity:	43 %
ATM Pressure:	100.9 kPa

The testing was performed by Kevin Hu on 2017-02-08.

Test Mode: Operating(RJ 45 Downloading mode was the worst)

Low Resolution

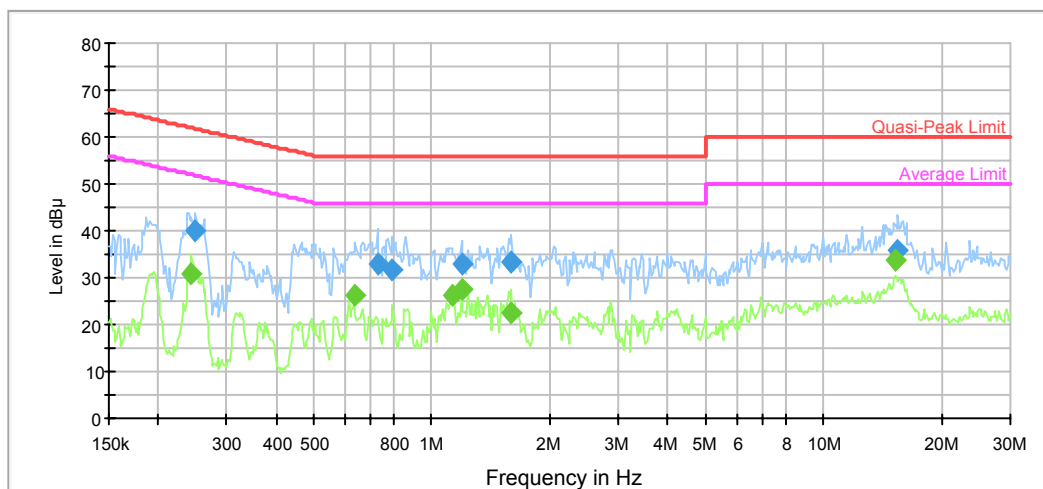
AC120V, 60Hz, Line:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.687153	35.2	9.000	L1	9.8	20.8	56.0	Compliance
0.793127	37.4	9.000	L1	9.8	18.6	56.0	Compliance
1.023481	31.9	9.000	L1	9.8	24.1	56.0	Compliance
1.117238	33.9	9.000	L1	9.8	22.1	56.0	Compliance
1.331304	35.6	9.000	L1	9.7	20.4	56.0	Compliance
12.593528	34.6	9.000	L1	9.9	25.4	60.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.253797	29.2	9.000	L1	10.3	22.4	51.6	Compliance
0.793127	27.1	9.000	L1	9.8	18.9	46.0	Compliance
1.190776	26.9	9.000	L1	9.7	19.1	46.0	Compliance
1.289541	26.2	9.000	L1	9.7	19.8	46.0	Compliance
2.381750	25.1	9.000	L1	9.8	20.9	46.0	Compliance
15.247554	26.1	9.000	L1	9.9	23.9	50.0	Compliance

AC120V, 60Hz, Neutral:

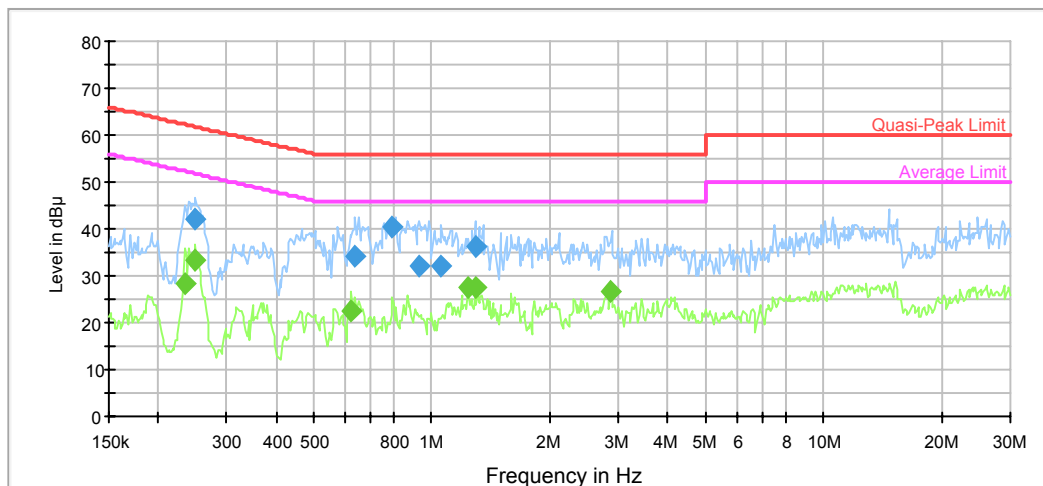


Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.249785	40.2	9.000	N	10.3	21.6	61.8	Compliance
0.726569	33.0	9.000	N	9.8	23.0	56.0	Compliance
0.793127	31.8	9.000	N	9.8	24.2	56.0	Compliance
1.190776	33.0	9.000	N	9.7	23.0	56.0	Compliance
1.599078	33.2	9.000	N	9.7	22.8	56.0	Compliance
15.492490	35.9	9.000	N	9.9	24.1	60.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.243884	30.9	9.000	N	10.3	21.0	52.0	Compliance
0.634524	26.2	9.000	N	9.8	19.8	46.0	Compliance
1.126176	26.1	9.000	N	9.7	19.9	46.0	Compliance
1.190776	27.3	9.000	N	9.7	18.7	46.0	Compliance
1.599078	22.4	9.000	N	9.7	23.6	46.0	Compliance
15.247554	33.6	9.000	N	9.9	16.4	50.0	Compliance

Middle Resolution

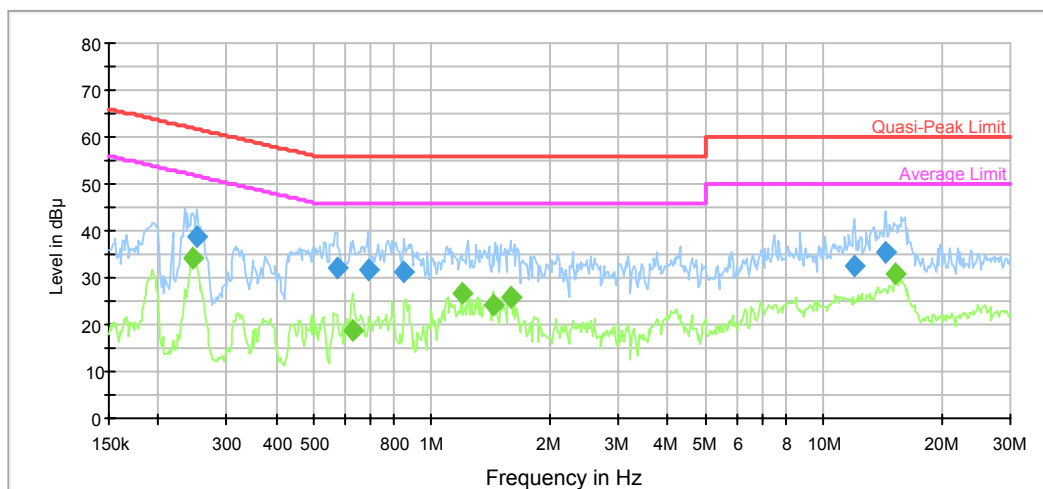
AC120V, 60Hz, Line:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.249785	42.0	9.000	L1	10.3	19.8	61.8	Compliance
0.639600	34.4	9.000	L1	9.8	21.6	56.0	Compliance
0.793127	40.6	9.000	L1	9.8	15.4	56.0	Compliance
0.930151	32.0	9.000	L1	9.8	24.0	56.0	Compliance
1.056628	32.1	9.000	L1	9.8	23.9	56.0	Compliance
1.289541	36.2	9.000	L1	9.7	19.8	56.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.234359	28.3	9.000	L1	10.4	24.0	52.3	Compliance
0.249785	33.5	9.000	L1	10.3	18.3	51.8	Compliance
0.624492	22.4	9.000	L1	9.8	23.6	46.0	Compliance
1.239175	27.4	9.000	L1	9.7	18.6	46.0	Compliance
1.289541	27.4	9.000	L1	9.7	18.6	46.0	Compliance
2.860806	26.7	9.000	L1	9.8	19.3	46.0	Compliance

AC120V, 60Hz, Neutral:

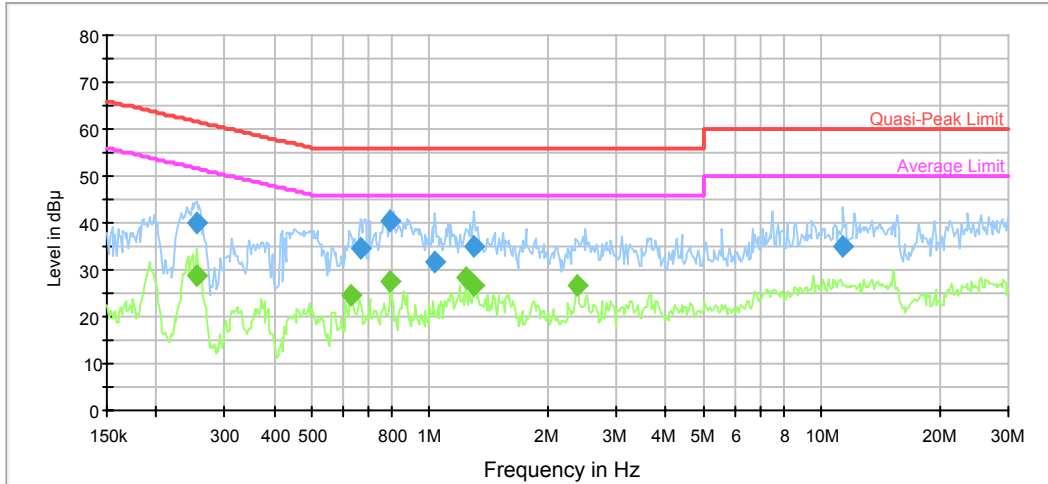


Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.251783	38.6	9.000	N	10.3	23.1	61.7	Compliance
0.572086	32.0	9.000	N	9.8	24.0	56.0	Compliance
0.687153	31.6	9.000	N	9.8	24.4	56.0	Compliance
0.852094	31.2	9.000	N	9.8	24.8	56.0	Compliance
12.005609	32.5	9.000	N	9.9	27.5	60.0	Compliance
14.420371	35.5	9.000	N	9.9	24.5	60.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.245835	34.3	9.000	N	10.3	17.6	51.9	Compliance
0.629488	18.9	9.000	N	9.8	27.1	46.0	Compliance
1.190776	26.8	9.000	N	9.7	19.2	46.0	Compliance
1.430284	24.3	9.000	N	9.7	21.7	46.0	Compliance
1.599078	25.9	9.000	N	9.7	20.1	46.0	Compliance
15.247554	30.7	9.000	N	9.9	19.3	50.0	Compliance

High Resolution

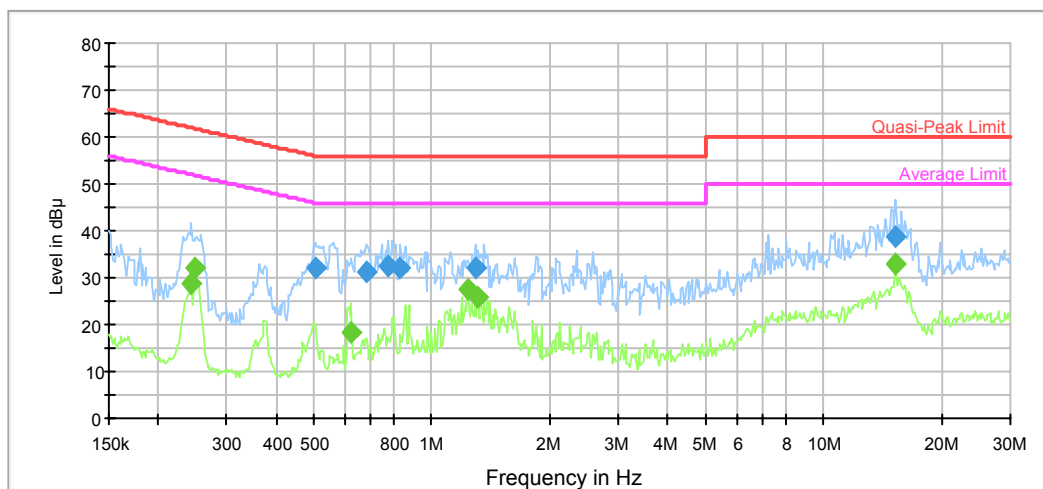
AC120V, 60Hz, Line:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.253797	40.1	9.000	L1	10.3	21.5	61.6	Compliance
0.665597	34.4	9.000	L1	9.8	21.6	56.0	Compliance
0.793127	40.5	9.000	L1	9.8	15.5	56.0	Compliance
1.031669	31.5	9.000	L1	9.8	24.5	56.0	Compliance
1.299858	34.9	9.000	L1	9.7	21.1	56.0	Compliance
11.354303	35.1	9.000	L1	9.9	24.9	60.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.253797	28.9	9.000	L1	10.3	22.7	51.6	Compliance
0.629488	24.5	9.000	L1	9.8	21.5	46.0	Compliance
0.793127	27.4	9.000	L1	9.8	18.6	46.0	Compliance
1.239175	28.4	9.000	L1	9.7	17.6	46.0	Compliance
1.289541	26.5	9.000	L1	9.7	19.5	46.0	Compliance
2.381750	26.8	9.000	L1	9.8	19.2	46.0	Compliance

AC120V, 60Hz, Neutral:



Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.503608	32.2	9.000	N	9.9	23.8	56.0	Compliance
0.681699	31.4	9.000	N	9.8	24.6	56.0	Compliance
0.774393	32.6	9.000	N	9.8	23.4	56.0	Compliance
0.831967	32.2	9.000	N	9.8	23.8	56.0	Compliance
1.289541	32.1	9.000	N	9.7	23.9	56.0	Compliance
15.247554	38.6	9.000	N	9.9	21.4	60.0	Compliance

Frequency (MHz)	Average (dBμV)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)	Comment
0.243884	28.8	9.000	N	10.3	23.2	52.0	Compliance
0.247802	32.1	9.000	N	10.3	19.7	51.8	Compliance
0.624492	18.3	9.000	N	9.8	27.7	46.0	Compliance
1.239175	27.4	9.000	N	9.7	18.6	46.0	Compliance
1.310256	26.0	9.000	N	9.7	20.0	46.0	Compliance
15.247554	33.0	9.000	N	9.9	17.0	50.0	Compliance

FCC §15.109 - RADIATED SPURIOUS EMISSIONS

Measurement Uncertainty

Compliance or non-compliance with a disturbance limit shall be determined in the following manner:

If U_{lab} is less than or equal to U_{cispr} of Table 2, then:

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

If U_{lab} is greater than U_{cispr} of Table 2, then:

- compliance is deemed to occur if no measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level, increased by $(U_{lab} - U_{cispr})$, exceeds the disturbance limit.

Based on CISPR 16-4-2-2011, measurement uncertainty of radiated emission at a distance of 3m at Bay Area Compliance Laboratories Corp. (Chengdu) is:

30M~200MHz: ± 4.7 dB;

200M~1GHz: ± 6.0 dB;

1G~6GHz: ± 5.13 dB;

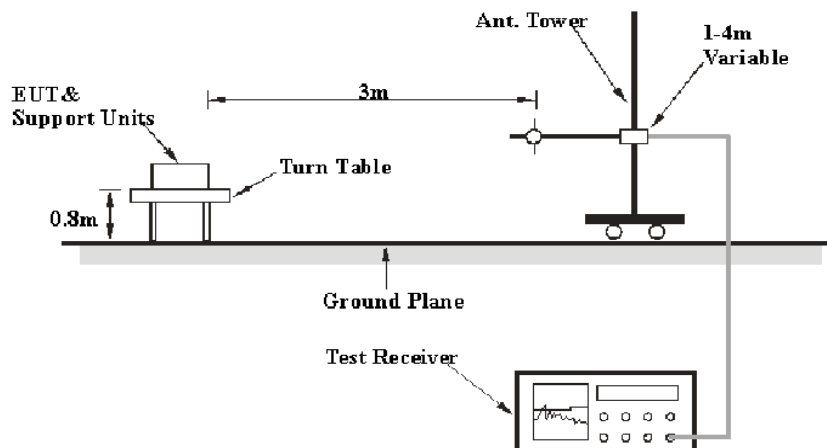
6G~25GHz: ± 5.47 dB;

Table 2 – Values of U_{cispr}

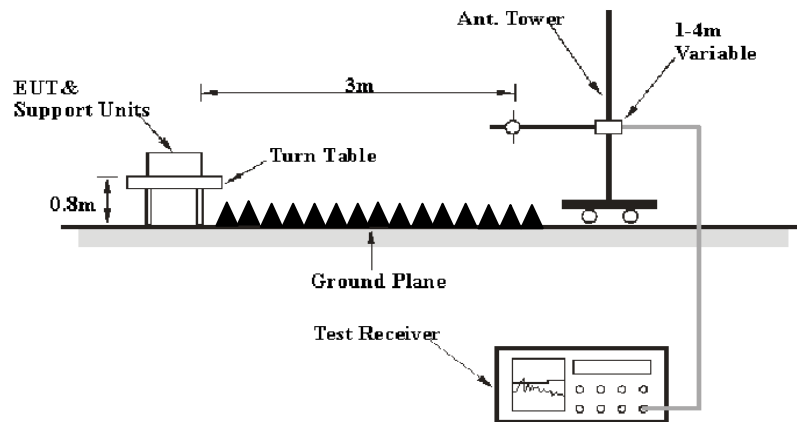
Measurement		U_{cispr}
Radiated disturbance (electric field strength at an OATS or in a SAC)	(30 MHz to 1000 MHz)	6.3 dB
Radiated disturbance (electric field strength in a FAR)	(1 GHz to 6 GHz)	5.2 dB
Radiated disturbance (electric field strength in a FAR)	(6 GHz to 18 GHz)	5.5 dB

EUT Setup

Below 1GHz:



Above 1GHz:



The radiated emission tests were performed at the 3 meters chamber test site, 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 13.5 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	10 Hz	/	AVG

Test Procedure

During the radiated emissions, the adapter of EUT 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.

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	Amplifier	8447D	2944A10442	2016-12-02	2017-12-01
Rohde & Schwarz	EMI Test Receiver	ESCI	100028	2016-12-02	2017-12-01
Sunol Sciences	Broadband Antenna	JB3	A121808	2016-04-10	2019-04-09
Rohde & Schwarz	Spectrum Analyzer	FSEM30	100018	2016-12-02	2017-12-01
ETS	Horn Antenna	3115	003-6076	2016-12-02	2017-12-01
Mini-circuits	Amplifier	ZVA-183-S+	771001215	2016-05-20	2017-05-19
EMCT	Semi-Anechoic Chamber	966	N/A	2015-04-24	2018-04-23
N/A	RF Cable (below 1GHz)	NO.1	N/A	2016-11-10	2017-11-09
N/A	RF Cable (below 1GHz)	NO.4	N/A	2016-11-10	2017-11-09
N/A	RF Cable (above 1GHz)	NO.2	N/A	2016-11-10	2017-11-09

* **Statement of Traceability:** BACL (Chengdu) attested 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 Loss and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

$$\text{Corrected Amplitude} = \text{Meter Reading} + \text{Antenna Loss} + \text{Cable Loss} - \text{Amplifier Gain}$$

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:

$$\text{Margin} = \text{Limit} - \text{Corrected Amplitude}$$

Test Data

Environmental Conditions

Temperature:	20.5~23.1 °C
Relative Humidity:	41~50 %
ATM Pressure:	95.2~95.7 kPa

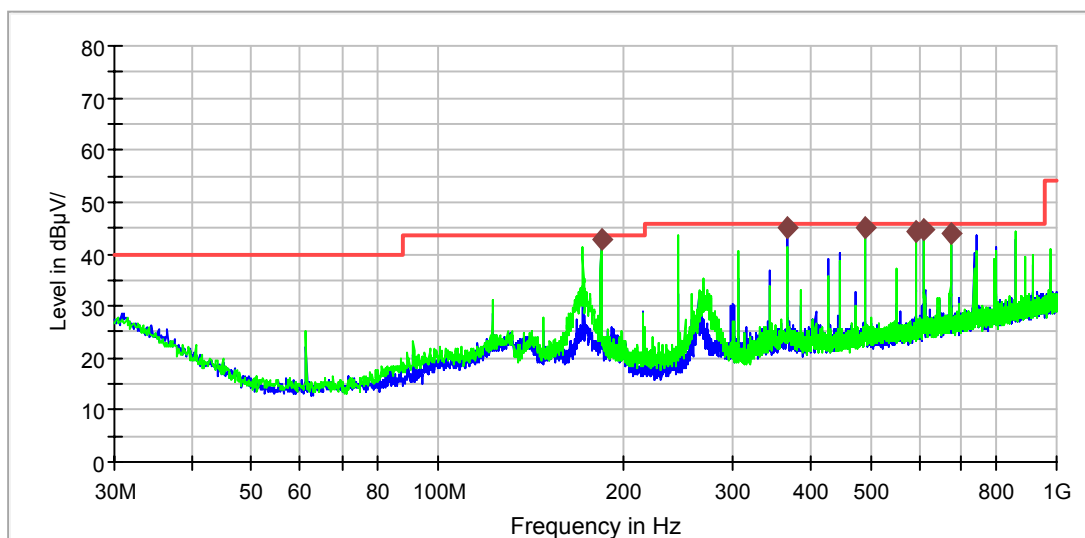
* The testing was performed by Kevin Hu from 2017-02-10 to 2017-03-07.

Test Result: Compliance

Test Mode: Operating (RJ 45 Downloading mode was the worst)

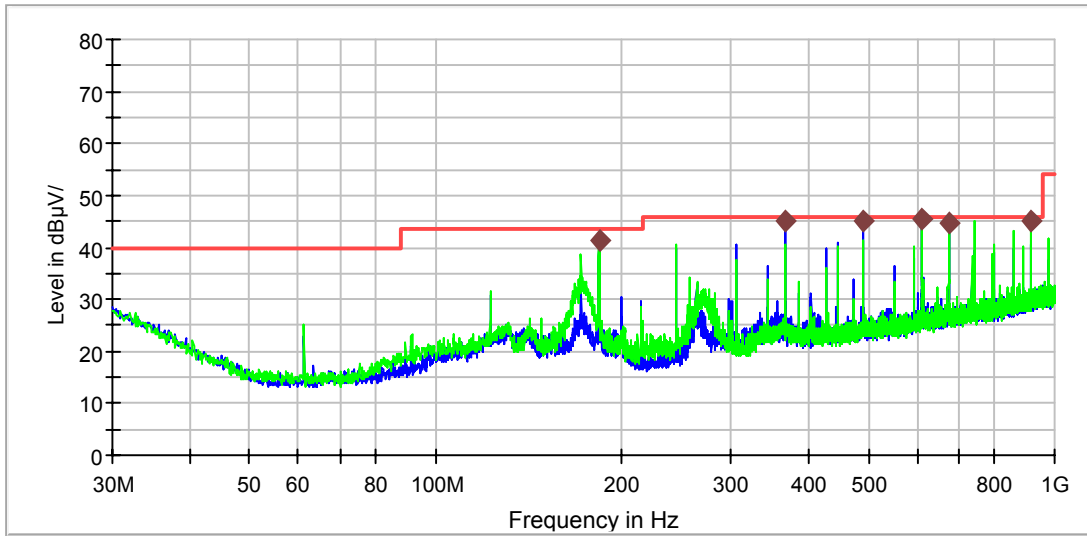
1) Below 1GHz:

Low Resolution



Frequency (MHz)	QuasiPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
183.623750	42.8	400.0	V	11.0	-8.9	0.7	43.5
367.317500	44.9	400.0	V	18.0	-4.2	1.1	46.0
489.780000	45.1	400.0	V	29.0	-2.2	0.9	46.0
594.055000	44.3	400.0	V	328.0	-0.7	1.7	46.0
612.242500	44.6	400.0	H	24.0	-0.4	1.4	46.0
673.473750	43.8	400.0	H	61.0	0.8	2.2	46.0

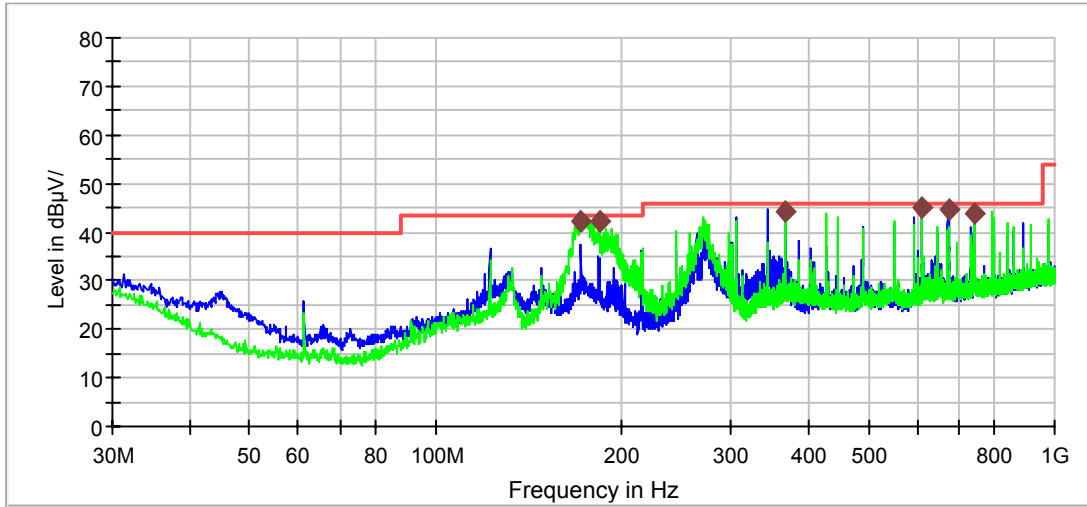
Middle Resolution



Frequency (MHz)	QuasiPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
183.623750	41.4	400.0	V	357.0	-8.9	2.1	43.5
367.317500	44.9	400.0	V	357.0	-4.2	1.1	46.0
489.780000	45.0	400.0	V	32.0	-2.2	1.0	46.0
612.242500	45.4	400.0	H	24.0	-0.4	0.6	46.0
673.352500	44.6	400.0	H	59.0	0.8	1.4	46.0
918.277500	45.1	400.0	H	76.0	4.5	0.9	46.0

High Resolution

Electric Field Strength with Scans



Frequency (MHz)	QuasiPeak (dBμV/m)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBμV/m)
171.741250	42.1	200.0	H	180.0	-8.8	1.4	43.5
183.623750	42.4	100.0	H	174.0	-8.9	1.1	43.5
367.196250	44.3	100.0	V	196.0	-4.2	1.7	46.0
612.000000	45.0	100.0	V	142.0	-0.4	1.0	46.0
673.231250	44.8	100.0	V	250.0	0.8	1.2	46.0
742.586250	44.0	100.0	H	272.0	2.0	2.0	46.0

2) 1GHz-13.5GHz:

Low Resolution

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
1037.5	58.86	PK	H	22.90	2.03	26.77	57.02	74.00	16.98
1037.5	50.09	AV	H	22.90	2.03	26.77	48.25	54.00	5.75
1212.5	55.26	PK	H	23.35	2.27	26.61	54.27	74.00	19.73
1212.5	46.11	AV	H	23.35	2.27	26.61	45.12	54.00	8.88
1631.25	53.89	PK	H	24.31	2.77	26.46	54.51	74.00	19.49
1631.25	45.07	AV	H	24.31	2.77	26.46	45.69	54.00	8.31
2081.25	57.05	PK	H	24.62	3.04	26.83	57.88	74.00	16.12
2081.25	47.8	AV	H	24.62	3.04	26.83	48.63	54.00	5.37
2225	56.75	PK	H	24.14	3.02	26.85	57.06	74.00	16.94
2225	47.84	AV	H	24.14	3.02	26.85	48.15	54.00	5.85
2375	55.33	PK	H	23.63	3.01	26.87	55.10	74.00	18.90
2375	46.74	AV	H	23.63	3.01	26.87	46.51	54.00	7.49
1037.5	60.05	PK	V	22.90	2.03	26.77	58.21	74.00	15.79
1037.5	51.09	AV	V	22.90	2.03	26.77	49.25	54.00	4.75
1212.5	54.55	PK	V	23.35	2.27	26.61	53.56	74.00	20.44
1212.5	45.66	AV	V	23.35	2.27	26.61	44.67	54.00	9.33
1712.5	55.88	PK	V	24.44	2.83	26.54	56.61	74.00	17.39
1712.5	46.59	AV	V	24.44	2.83	26.54	47.32	54.00	6.68
2081.25	57.12	PK	V	24.62	3.04	26.83	57.95	74.00	16.05
2081.25	47.7	AV	V	24.62	3.04	26.83	48.53	54.00	5.47
2225	57.86	PK	V	24.14	3.02	26.85	58.17	74.00	15.83
2225	48.97	AV	V	24.14	3.02	26.85	49.28	54.00	4.72
2375	55.88	PK	V	23.63	3.01	26.87	55.65	74.00	18.35
2375	46.57	AV	V	23.63	3.01	26.87	46.34	54.00	7.66

Middle Resolution

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)
	Reading (dBµV)	Detector	Polar (H/V)	Factor (dB)					
1337.5	56.82	PK	H	23.68	2.45	26.49	56.46	74.00	17.54
1337.5	47.1	AV	H	23.68	2.45	26.49	46.74	54.00	7.26
1531.25	56.79	PK	H	24.15	2.69	26.36	57.27	74.00	16.73
1531.25	47.17	AV	H	24.15	2.69	26.36	47.65	54.00	6.35
1631.25	55.39	PK	H	24.31	2.77	26.46	56.01	74.00	17.99
1631.25	45.81	AV	H	24.31	2.77	26.46	46.43	54.00	7.57
1931.25	55.81	PK	H	24.79	3.00	26.75	56.85	74.00	17.15
1931.25	45.55	AV	H	24.79	3.00	26.75	46.59	54.00	7.41
2018.75	56.04	PK	H	24.84	3.05	26.82	57.11	74.00	16.89
2018.75	46.45	AV	H	24.84	3.05	26.82	47.52	54.00	6.48
2225	55.75	PK	H	24.14	3.02	26.85	56.06	74.00	17.94
2225	46.06	AV	H	24.14	3.02	26.85	46.37	54.00	7.63
1406.25	57.95	PK	V	23.86	2.54	26.42	57.93	74.00	16.07
1406.25	47.29	AV	V	23.86	2.54	26.42	47.27	54.00	6.73
1712.5	55.88	PK	V	24.44	2.83	26.54	56.61	74.00	17.39
1712.5	45.65	AV	V	24.44	2.83	26.54	46.38	54.00	7.62
1931.25	56.21	PK	V	24.79	3.00	26.75	57.25	74.00	16.75
1931.25	46.45	AV	V	24.79	3.00	26.75	47.49	54.00	6.51
2081.25	57.12	PK	V	24.62	3.04	26.83	57.95	74.00	16.05
2081.25	46.81	AV	V	24.62	3.04	26.83	47.64	54.00	6.36
2225	56.37	PK	V	24.14	3.02	26.85	56.68	74.00	17.32
2225	46.04	AV	V	24.14	3.02	26.85	46.35	54.00	7.65
2375	56.38	PK	V	23.63	3.01	26.87	56.15	74.00	17.85
2375	46.8	AV	V	23.63	3.01	26.87	46.57	54.00	7.43

High Resolution

Frequency (MHz)	Receiver		Rx Antenna		Cable loss (dB)	Amplifier Gain (dB)	Corrected Amplitude (dBμV/m)	Limit (dBμV/m)	Margin (dB)
	Reading (dBμV)	Detector	Polar (H/V)	Factor (dB)					
1100	58.52	PK	H	23.06	2.12	26.71	56.99	74.00	17.01
1100	48.26	AV	H	23.06	2.12	26.71	46.73	54.00	7.27
1631.25	56.39	PK	H	24.31	2.77	26.46	57.01	74.00	16.99
1631.25	46.23	AV	H	24.31	2.77	26.46	46.85	54.00	7.15
1837.5	55.79	PK	H	24.64	2.93	26.66	56.70	74.00	17.30
1837.5	45.61	AV	H	24.64	2.93	26.66	46.52	54.00	7.48
2081.25	56.55	PK	H	24.62	3.04	26.83	57.38	74.00	16.62
2081.25	46.76	AV	H	24.62	3.04	26.83	47.59	54.00	6.41
2225	55.25	PK	H	24.14	3.02	26.85	55.56	74.00	18.44
2225	45.56	AV	H	24.14	3.02	26.85	45.87	54.00	8.13
2375	56.83	PK	H	23.63	3.01	26.87	56.60	74.00	17.40
2375	46.57	AV	H	23.63	3.01	26.87	46.34	54.00	7.66
1212.5	58.55	PK	V	23.35	2.27	26.61	57.56	74.00	16.44
1212.5	48.37	AV	V	23.35	2.27	26.61	47.38	54.00	6.62
1531.25	56.57	PK	V	24.15	2.69	26.36	57.05	74.00	16.95
1531.25	46.45	AV	V	24.15	2.69	26.36	46.93	54.00	7.07
1712.5	55.88	PK	V	24.44	2.83	26.54	56.61	74.00	17.39
1712.5	45.81	AV	V	24.44	2.83	26.54	46.54	54.00	7.46
1931.25	56.21	PK	V	24.79	3.00	26.75	57.25	74.00	16.75
1931.25	46.58	AV	V	24.79	3.00	26.75	47.62	54.00	6.38
2081.25	56.62	PK	V	24.62	3.04	26.83	57.45	74.00	16.55
2081.25	46.45	AV	V	24.62	3.04	26.83	47.28	54.00	6.72
2225	55.87	PK	V	24.14	3.02	26.85	56.18	74.00	17.82
2225	46.14	AV	V	24.14	3.02	26.85	46.45	54.00	7.55

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