

**TEST REPORT**

<b>Application No.:</b>	GZCR2503000361LM
<b>Applicant:</b>	Gardyn inc
<b>Address of Applicant:</b>	8120 Woodmont Avenue, Suite #640, Bethesda, MD 20814, U.S.A.
<b>Manufacturer:</b>	Gardyn inc
<b>Address of Manufacturer:</b>	8120 Woodmont Avenue, Suite #640, Bethesda, MD 20814, U.S.A.
<b>Factory:</b>	VS Industry Berhad
<b>Address of Factory:</b>	PTD 90370 (Lot 76803 PLO 161 & 162), Jalan Murni 12, Kawasan Perindustrian Murni, 81400 Senai, Johor Darul Takzim, Malaysia
<b>Product Name:</b>	Gardyn Home, Gardyn Studio
<b>Model No.:</b>	Gardyn Home: GH-A02, GH A02, Gardyn Studio: GS A02 ♣
<b>*</b>	Please refer to section 2 of this report which indicates which item was actually tested and which were electrically identical.
<b>Trade Mark:</b>	Gardyn
<b>Standard(s) :</b>	47 CFR Part 15, Subpart C 15.247
<b>Date of Receipt:</b>	2025-03-17
<b>Date of Test:</b>	2025-03-25 to 2025-03-27
<b>Date of Issue:</b>	2025-04-10
<b>Test Result:</b>	<b>Pass*</b>

\* In the configuration tested, the EUT complied with the standards specified above.



Ricky Liu  
Manager

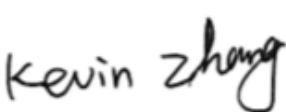
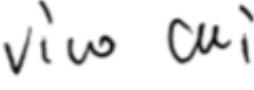


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Revision Record			
Version	Report No.	Date	Remark
01	GZCR220600084702	2022-09-08	Original
02	GZCR220600084705	2023-12-18	Copy report: Updated manufacturer's information, factory's information; Added trademark; Alternative seals, new version (Rev 1.5) of control PCB, pump and updated LED stripe.
03	GZCR220600084708	2024-06-06	Amendment report: Updated manufacturer's information; added new product name and model.
04	GZCR220600084711	2025-02-14	Amendment report: Added new components.
05	GZCR220600084714	2025-04-10	Amendment report: Added alternative water lever sensor + camera

Authorized for issue by:			
	 Kevin Zhang	Kevin Zhang/Project Engineer	
	 Vico Cui	Vico Cui/Reviewer	



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## 2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass

**Note:**

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

**Remark for original report GZCR220600084702:****◆ Declaration of EUT Family Grouping:**

Model No.: GH-A02, GH A02

According to the declaration from the applicant, the electrical circuit design, layout, components used and internal wiring were identical for all models, with only difference on model name and outer decoration.

Therefore only one model GH-A02 was tested in this report.

**Remark for report GZCR220600084705:**

This report GZCR220600084705 is based on original report GZCR220600084702, with the follow changes:

1. Updated manufacturer's information, factory's information.
2. Added trademark to Gardyn.
3. Alternative a new version (Rev 1.5) of control PCB without any change in RF module;
4. Added a seal between the modules;
5. Added a seal between the first column module and the LID;
6. Updated the LED stripe from GH3.0(140 LEDs) to GH4.0(32 LEDs)
7. Alternative a new pump (B0001-01-01).

Considering to above changes, only Conducted Emissions at AC Power Line (150kHz-30MHz)

Radiated Spurious Emissions Below 1GHz were performed to both control PCBs of model GH-A02 with new components and recorded the new test results in this report GZCR220600084705.

Other tests please refer to original report GZCR220600084702 for details.



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**Remark for the report GZCR220600084708:**

This test report GZCR220600084708 based on and only valid with the previous test report GZCR220600084805, just with the following changes:

1. Updated manufacturer's information
2. Added new model: GS A02 with new PCBA, LED strip and 96W supply

According to the declaration of the applicant, the Model GS A02 supplemented in this report GZCR220600084708 is different from the Model in the previous report GZCR220600084805, with only the same RF module (including antenna). There are two options of control PCBA as below:

PCBA 1 = Original BOM "2Col PCBA Rev 1.1"

PCBA 2 = Using 3 alternate components:

1. Chip C Cap 0.1uF 50V 10% 0603 X7R, 0603B104K500CT, Walsin
2. MOSFET N-CH 30V 39A 8HSMT, RQ3E180GNTB, Rohm
3. IC CURRENT MONITOR VSSOP-10, INA220AIDGST, Texas Instruments

Considering to the difference above, only Conducted Emissions at AC Power Line (150kHz-30MHz) Radiated Spurious Emissions Below 1GHz were performed to both control PCBs of model GS A02 and recorded the new test results in this report **GZCR220600084708**.

Other tests please refer to original report GZCR220600084702, GZCR220600084705 for details.



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**Remark for the report GZCR220600084711:**

This test report GZCR220600084711 based on and only valid with the previous test report GZCR220600084708, just with the following changes:

Alternative a new power supply for models GH A02 & GH-A02 for PCBA 1.5 & PCBA 1.6 and a new water level sensor for PCBA 1.6 only of models GH A02 and GH-A02.

According to FCC Part 2 section 2.1043(b)(1), it is ok to update test report by adding new connector as below without filing with the Commission.

**FCC Part 2 section 2.1043(b)(1):**

A Class I permissive change includes those modifications in the equipment which do not degrade the characteristics reported by the manufacturer and accepted by the Commission when certification is granted. No filing with the Commission is required for a Class I permissive change.

Considering to the difference above, only Conducted Emissions at AC Power Line (150kHz-30MHz) and Radiated Spurious Emissions Below 1GHz were performed on configures M1+A3, M2+A3, M4+A1 and M4+A3 of model GH-A02, and recorded the new test results in this report GZCR220600084711.

EUT marked:

M1: Main unit with original water level sensor + PCBA V1.5

M2: Main unit with original water level sensor + PCBA V1.6

M4: Main unit with new water level sensor + PCBA V1.6

A1: Original power supply

A3: New power supply

Other tests please refer to original report GZCR220600084702, GZCR220600084705 and GZCR220600084708 for details.



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**Remark for the report GZCR220600084714:**

This test report GZCR220600084714 based on and only valid with the previous test report GZCR220600084711, only added alternative water lever sensor + camera for mode **GS A02**.

Considering to the difference above, Conducted Emissions at AC Power Line (150kHz-30MHz) and Radiated Spurious Emissions Below 1GHz tests were performed on configures as below of model GS A02 and recorded the new test results in this report GZCR220600084714.

EUT marked:

Configure 1: M1: Main unit PCBA 1 + new WLS + new camera

Configure 2: M1: Main unit PCBA 1 + new WLS + old camera

Configure 3: M1: Main unit PCBA 1 + old WLS + new camera

Configure 4: M2: Main unit PCBA 2 + new WLS + new camera

Configure 5: M2: Main unit PCBA 2 + new WLS + old camera

Configure 6: M2: Main unit PCBA 2 + old WLS + new camera

Other tests please refer to original report GZCR220600084702, GZCR220600084705 and GZCR220600084708, GZCR220600084711 for details.



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply:	DC 24 V powered by AC/DC adapter as below: Model: FY1802404000 Input: AC 100-240 V, 50/60 Hz, 1.5 A, 130VA Output: DC 24 V, 4.0A, 96 W
Cable(s):	DC input ports for main unit For AC/DC adapter: AC mains (unshielded, 0.8 m) DC output cables (unshielded, 1.5m)
For BT	
Antenna Gain	1 dBi according to the antenna specification
Antenna Type	PCB Antenna
Channel Spacing	2MHz
Modulation Type	GFSK
Number of Channels	40
Operation Frequency	2402MHz to 2480MHz
For Wi-Fi	
Antenna Gain	1 dBi according to the antenna specification
Antenna Type	PCB Antenna
Channel Spacing	5MHz
Modulation Type	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channels	802.11b/g/n(HT20):11
Operation Frequency	802.11b/g/n(HT20): 2412MHz to 2462MHz

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ



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### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	±3.22dB
Radiated Spurious Emissions Below 1GHz	±3.08dB (9kHz to 150kHz);±3.19dB(150kHz to 30MHz);±5.14dB (30MHz-1GHz) (3m); ±4.90dB (30MHz-1GHz) (10m)

Remark:  
The  $U_{lab}$  (lab Uncertainty) is less than  $U_{cispr}$  (CISPR Uncertainty) or  $U_{ETSI}$  (ETSI Uncertainty).

Emission decision rule:

- Compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit, marked as Pass in the report.
- Non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit, marked as Fail in the report.

### 4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,  
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,  
Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.



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## 4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

<b>Conducted Emissions at AC Power Line (150kHz-30MHz)</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Inventory No.</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
Coaxial Cable	HangTianXing	2m	EMC0107	2023-08-24	2025-08-23
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	2022-10-16	2025-10-15
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2024-09-02	2025-09-01
EMI Test Receiver (9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2024-12-04	2025-12-03
Test Software E3r	Audix	Ver.6.191211	GZE100-77	N/A	N/A

<b>Radiated Spurious Emissions Below 1GHz</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Inventory No.</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
966 Anechoic Chamber	Shenzhen C.R.T	CRTSGSSAC966	EMC2230	2025-03-22	2028-03-21
EMI Test Receiver(1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2229	2024-12-03	2025-12-02
Amplifier(9k-1000MHz)	SONOMA	310	EMC2237	2024-12-03	2025-12-02
Trilog Broadband Antenna (25MHz-2GHz)	Schwarzbeck Mess-Elektronik	VULB 9168	EMC2238	2022-04-20	2025-04-19
Coaxial Cable	Mirco-COAX UTIFLEX ve	LA2-C125-8000	EMC2239	2024-12-04	2026-12-03
Test Software E3	Audix	Ver.6.191211	GZE100-81	N/A	N/A
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2024-04-08	2026-04-07

<b>General used equipment</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Inventory No.</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
DMM	Fluke	73	EMC0006	2024-06-13	2025-06-12



## 6 Radio Spectrum Matter Test Results

### 6.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission (MHz)	Conducted limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

\*Decreases with the logarithm of the frequency.

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

#### 6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C      Humidity: 53.3 % RH      Atmospheric Pressure: 1012 mbar

#### 6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ new WLS + new camera.
Final test	01	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ new WLS + new camera.
Final test	05	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ new WLS + new camera.
Final test	06	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ new WLS + new camera.



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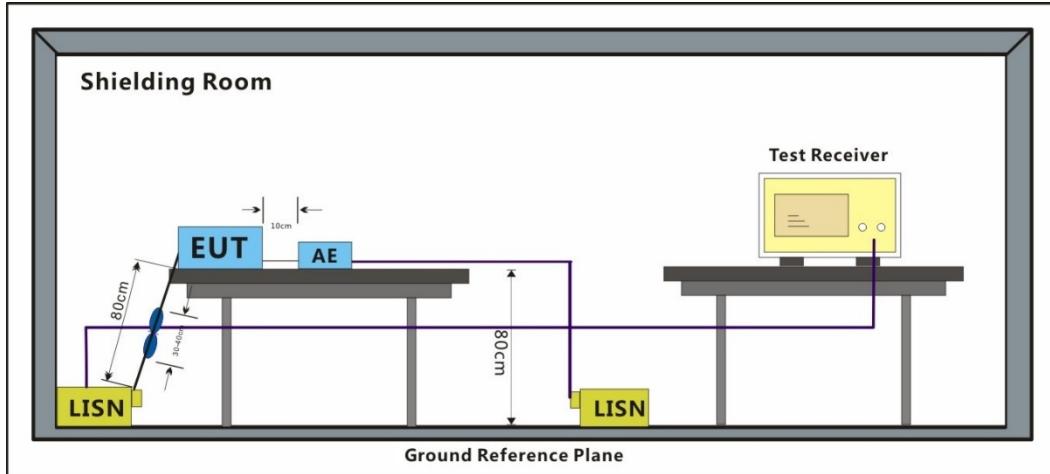
Final test	10	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ old WLS + new camera.
Final test	11	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ old WLS + new camera.
Final test	15	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ old WLS + new camera.
Final test	16	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ old WLS + new camera.
Final test	20	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ new WLS + old camera.
Final test	21	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ new WLS + old camera.
Final test	25	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ new WLS + old camera.
Final test	26	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ new WLS + old camera.



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### 6.1.3 Test Setup Diagram



#### 6.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50µH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane.
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: Level=Read Level+ Cable Loss+ LISN Factor



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to the limits of detection. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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Guangzhou Branch Testing Center EEC Laboratory

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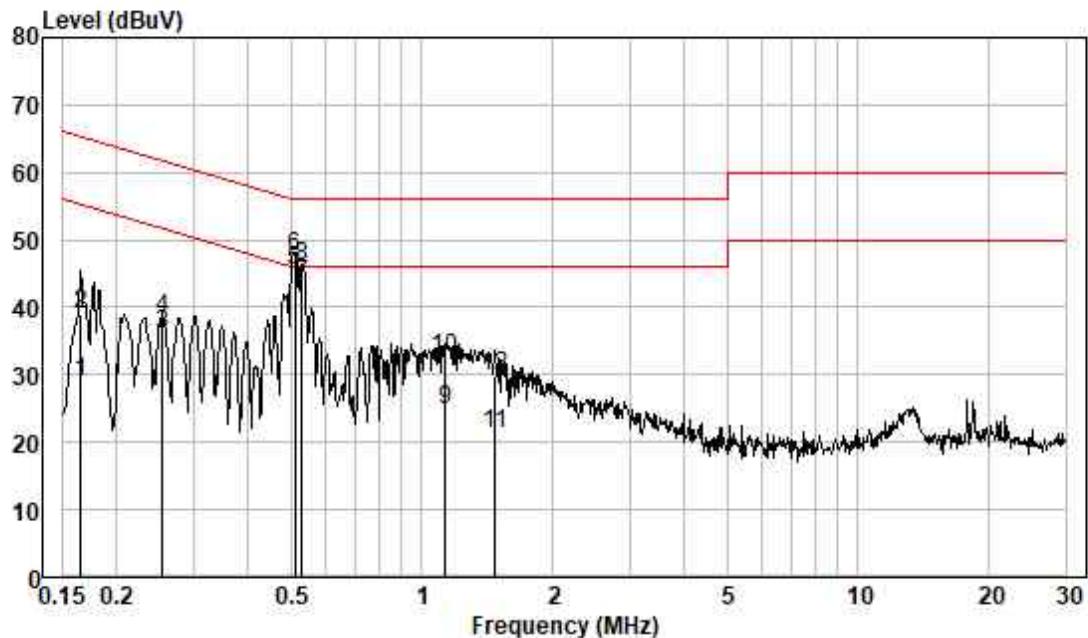
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663

t (86-20) 82155555 [www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编:510663

t (86-20) 82155555 sgs.china@sgs.com

Test Mode: 00 &amp; 01; Line: Live line



Pol :LINE

Mode :

Model :M1+NEW WLS+NEW CAMERA

Power :

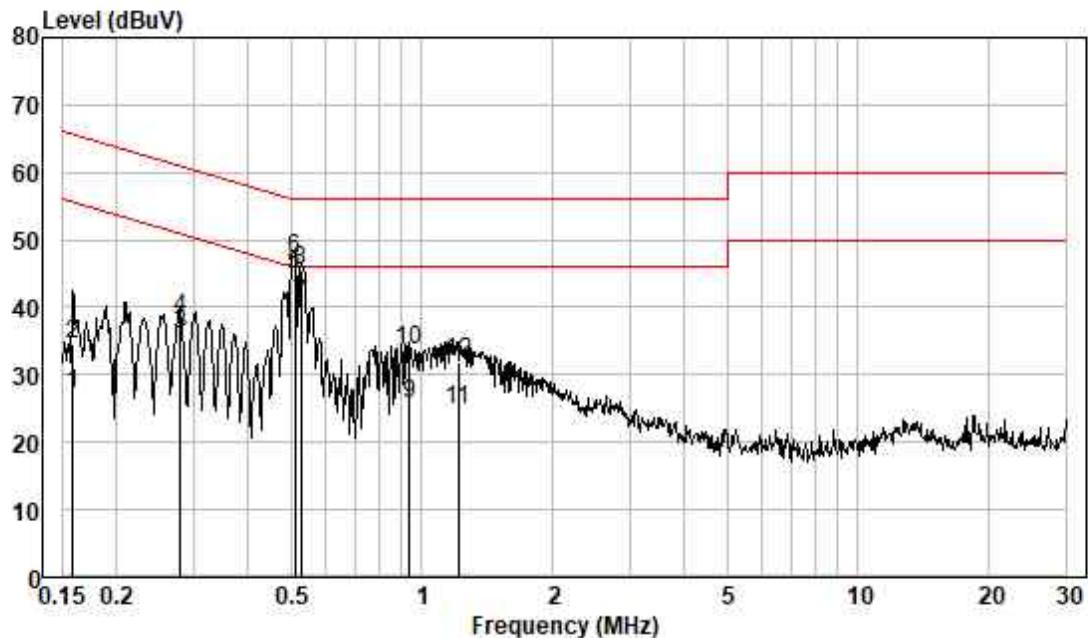
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.165	19.33	0.04	9.55	28.92	55.21	-26.29	Average
2	0.165	29.40	0.04	9.55	38.99	65.21	-26.22	QP
3	0.255	26.25	0.04	9.59	35.88	51.60	-15.72	Average
4	0.255	28.64	0.04	9.59	38.27	61.60	-23.33	QP
5	0.510	35.75	0.05	9.58	45.38	46.00	-0.62	Average
6	0.510	37.98	0.05	9.58	47.61	56.00	-8.39	QP
7	0.532	33.82	0.05	9.57	43.44	46.00	-2.56	Average
8	0.532	36.50	0.05	9.57	46.12	56.00	-9.88	QP
9	1.129	15.22	0.08	9.53	24.83	46.00	-21.17	Average
10	1.129	22.78	0.08	9.53	32.39	56.00	-23.61	QP
11	1.472	11.71	0.10	9.59	21.40	46.00	-24.60	Average
12	1.472	20.24	0.10	9.59	29.93	56.00	-26.07	QP



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Test Mode: 00 &amp; 01; Line: Neutral Line



Pol : NEUTRAL  
Mode :  
Model : M1+NEW WLS+NEW CAMERA  
Power :

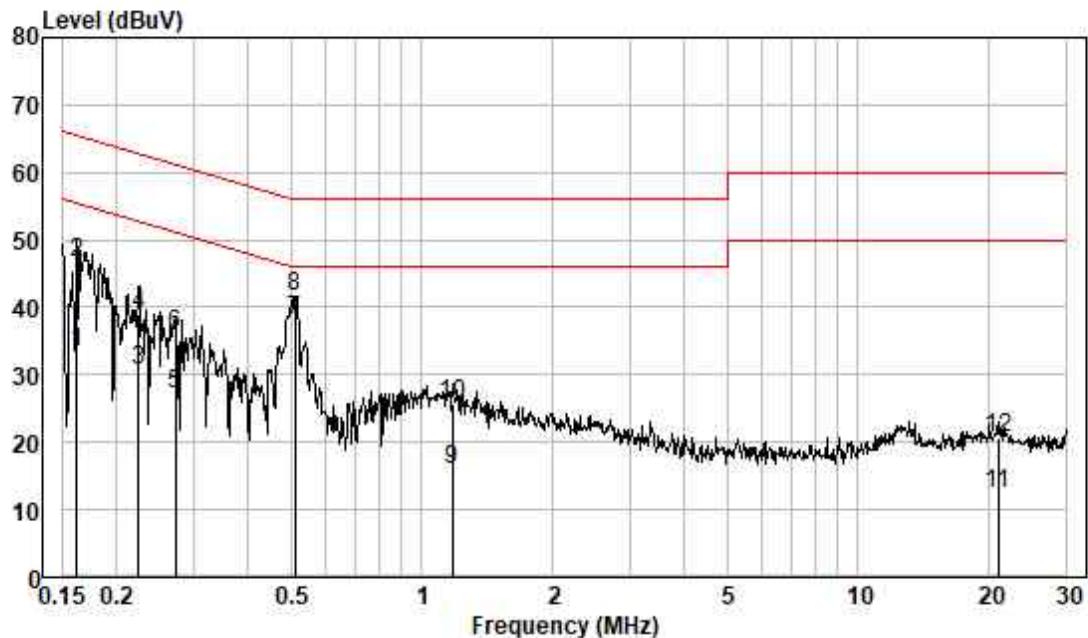
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.158	17.74	0.04	9.52	27.30	55.56	-28.26	Average
2	0.158	25.05	0.04	9.52	34.61	65.56	-30.95	QP
3	0.279	26.33	0.04	9.54	35.91	50.85	-14.94	Average
4	0.279	28.81	0.04	9.54	38.39	60.85	-22.46	QP
5	0.511	35.26	0.05	9.58	44.89	46.00	-1.11	Average
6	0.511	37.71	0.05	9.58	47.34	56.00	-8.66	QP
7	0.529	30.95	0.05	9.58	40.58	46.00	-5.42	Average
8	0.529	35.83	0.05	9.58	45.46	56.00	-10.54	QP
9	0.938	15.95	0.07	9.55	25.57	46.00	-20.43	Average
10	0.938	23.89	0.07	9.55	33.51	56.00	-22.49	QP
11	1.210	15.14	0.09	9.56	24.79	46.00	-21.21	Average
12	1.210	22.34	0.09	9.56	31.99	56.00	-24.01	QP



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Test Mode: 05 &amp; 06; Line: Live line



Pol :LINE

Mode :

Model :M2+NEW WLS+NEW CAMERA

Power :

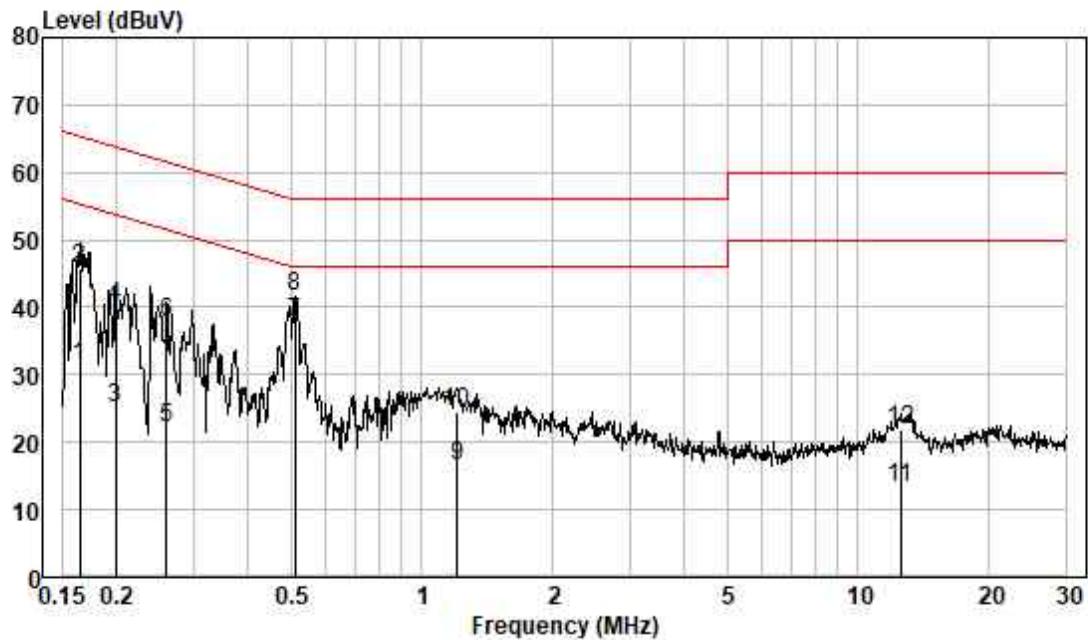
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.162	23.84	0.04	9.55	33.43	55.38	-21.95	Average
2	0.162	37.03	0.04	9.55	46.62	65.38	-18.76	QP
3	0.224	20.98	0.04	9.58	30.60	52.66	-22.06	Average
4	0.224	29.33	0.04	9.58	38.95	62.66	-23.71	QP
5	0.272	17.45	0.04	9.57	27.06	51.07	-24.01	Average
6	0.272	26.34	0.04	9.57	35.95	61.07	-25.12	QP
7	0.513	28.43	0.05	9.58	38.06	46.00	-7.94	Average
8	0.513	32.00	0.05	9.58	41.63	56.00	-14.37	QP
9	1.172	6.34	0.08	9.53	15.95	46.00	-30.05	Average
10	1.172	15.95	0.08	9.53	25.56	56.00	-30.44	QP
11	20.924	2.24	0.39	9.82	12.45	50.00	-37.55	Average
12	20.924	10.51	0.39	9.82	20.72	60.00	-39.28	QP



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Test Mode: 05 &amp; 06; Line: Neutral Line



Pol : NEUTRAL  
 Mode :  
 Model : M2+NEW WLS+NEW CAMERA  
 Power :

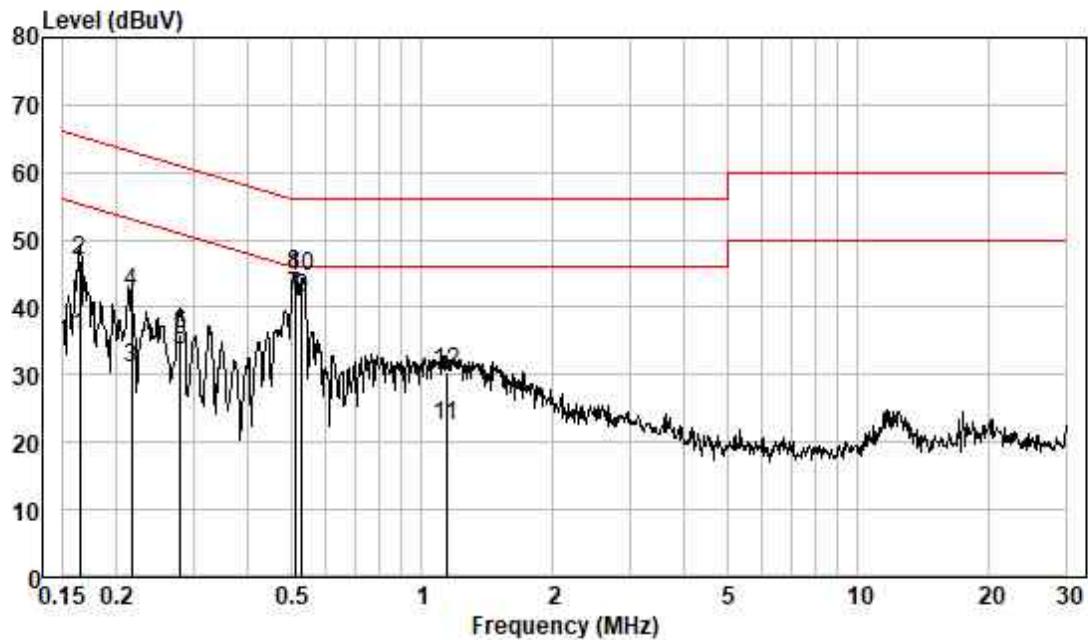
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.164	21.81	0.04	9.53	31.38	55.25	-23.87	Average
2	0.164	36.21	0.04	9.53	45.78	65.25	-19.47	QP
3	0.199	15.39	0.04	9.55	24.98	53.67	-28.69	Average
4	0.199	30.61	0.04	9.55	40.20	63.67	-23.47	QP
5	0.260	12.57	0.04	9.53	22.14	51.42	-29.28	Average
6	0.260	28.11	0.04	9.53	37.68	61.42	-23.74	QP
7	0.513	28.25	0.05	9.58	37.88	46.00	-8.12	Average
8	0.513	31.90	0.05	9.58	41.53	56.00	-14.47	QP
9	1.203	6.89	0.08	9.56	16.53	46.00	-29.47	Average
10	1.203	14.90	0.08	9.56	24.54	56.00	-31.46	QP
11	12.516	3.15	0.29	9.85	13.29	50.00	-36.71	Average
12	12.516	11.58	0.29	9.85	21.72	60.00	-38.28	QP



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Test Mode: 10 &amp; 11; Line: Live line



Pol :LINE

Mode :

Model :M1+OLD WLS+NEW CAMERA

Power :

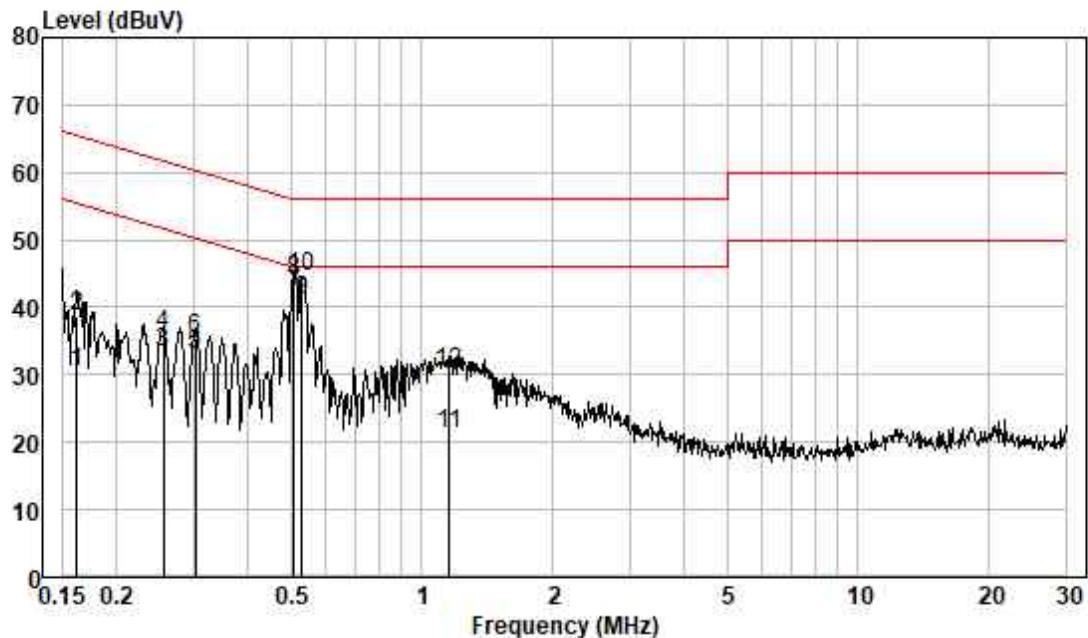
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.164	26.13	0.04	9.55	35.72	55.25	-19.53	Average
2	0.164	37.48	0.04	9.55	47.07	65.25	-18.18	QP
3	0.216	21.31	0.04	9.57	30.92	52.96	-22.04	Average
4	0.216	32.49	0.04	9.57	42.10	62.96	-20.86	QP
5	0.279	24.06	0.04	9.56	33.66	50.85	-17.19	Average
6	0.279	26.44	0.04	9.56	36.04	60.85	-24.81	QP
7	0.513	32.14	0.05	9.58	41.77	46.00	-4.23	Average
8	0.513	35.18	0.05	9.58	44.81	56.00	-11.19	QP
9	0.532	31.56	0.05	9.57	41.18	46.00	-4.82	Average
10	0.532	35.00	0.05	9.57	44.62	56.00	-11.38	QP
11	1.135	12.89	0.08	9.53	22.50	46.00	-23.50	Average
12	1.135	20.68	0.08	9.53	30.29	56.00	-25.71	QP



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Test Mode: 10 &amp; 11; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model : M1+OLD WLS+NEW CAMERA

Power :

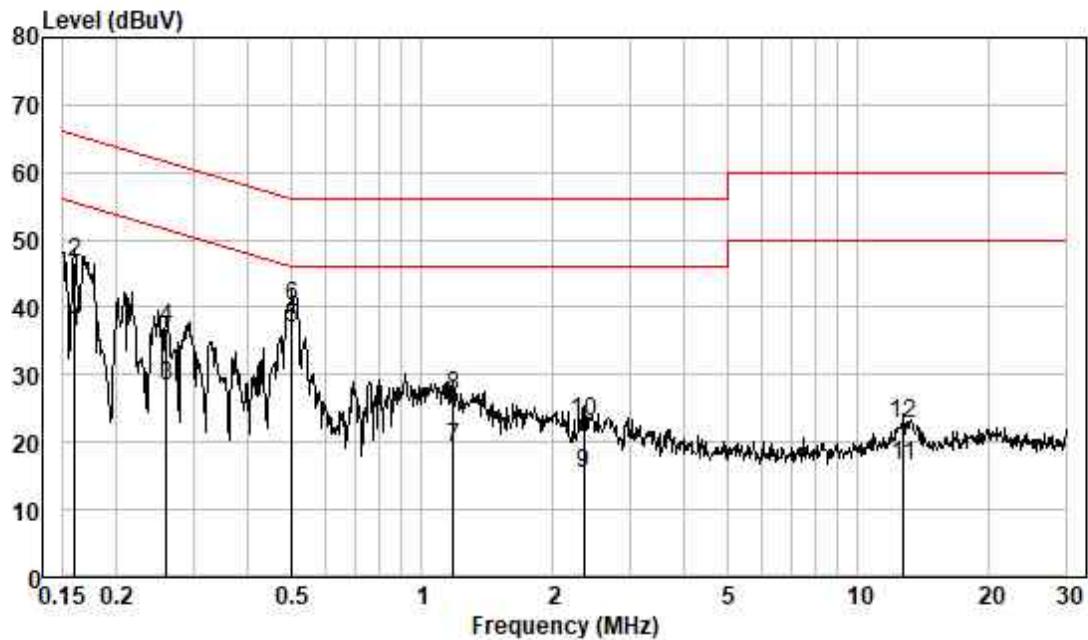
Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.162	20.86	0.04	9.53	30.43	55.38	-24.95
2	0.162	28.96	0.04	9.53	38.53	65.38	-26.85
3	0.256	23.70	0.04	9.53	33.27	51.56	-18.29
4	0.256	26.41	0.04	9.53	35.98	61.56	-25.58
5	0.302	23.55	0.04	9.54	33.13	50.19	-17.06
6	0.302	25.92	0.04	9.54	35.50	60.19	-24.69
7	0.510	32.39	0.05	9.58	42.02	46.00	-3.98
8	0.510	34.49	0.05	9.58	44.12	56.00	-11.88
9	0.532	31.49	0.05	9.58	41.12	46.00	-4.88
10	0.532	34.92	0.05	9.58	44.55	56.00	-11.45
11	1.153	11.65	0.08	9.56	21.29	46.00	-24.71
12	1.153	20.70	0.08	9.56	30.34	56.00	-25.66



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Test Mode: 15 &amp; 16; Line: Live line



Pol :LINE

Mode :

Model :M2+OLD WLS+NEW CAMERA

Power :

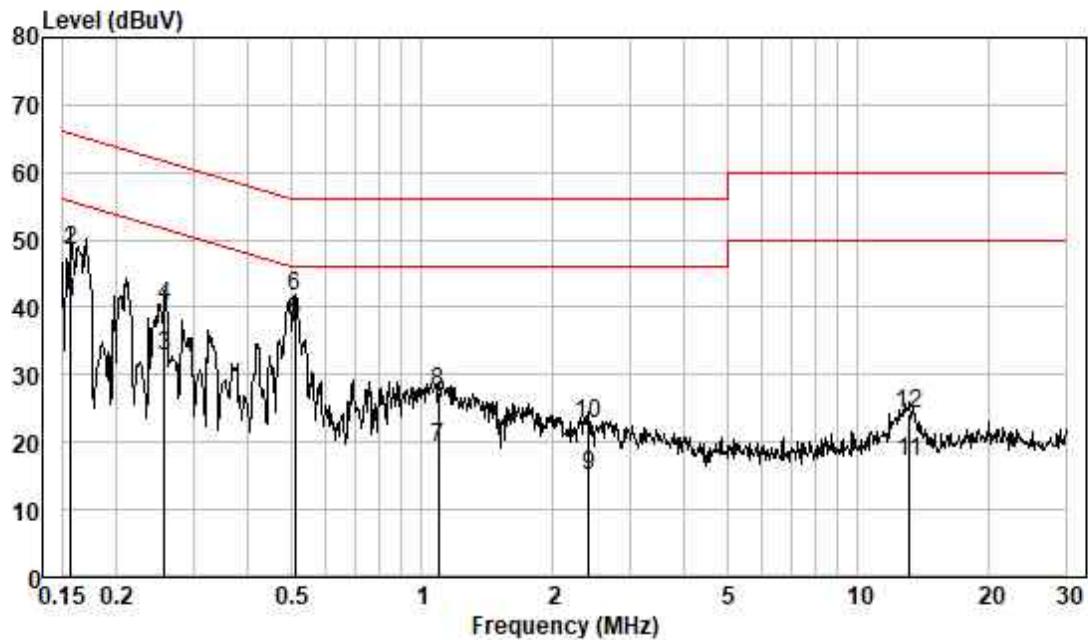
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.160	26.71	0.04	9.55	36.30	55.47	-19.17	Average
2	0.160	37.12	0.04	9.55	46.71	65.47	-18.76	QP
3	0.260	18.64	0.04	9.59	28.27	51.42	-23.15	Average
4	0.260	27.33	0.04	9.59	36.96	61.42	-24.46	QP
5	0.505	27.23	0.05	9.59	36.87	46.00	-9.13	Average
6	0.505	30.62	0.05	9.59	40.26	56.00	-15.74	QP
7	1.178	9.58	0.08	9.53	19.19	46.00	-26.81	Average
8	1.178	17.13	0.08	9.53	26.74	56.00	-29.26	QP
9	2.346	5.57	0.14	9.56	15.27	46.00	-30.73	Average
10	2.346	13.36	0.14	9.56	23.06	56.00	-32.94	QP
11	12.716	6.57	0.29	9.79	16.65	50.00	-33.35	Average
12	12.716	12.58	0.29	9.79	22.66	60.00	-37.34	QP



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Test Mode: 15 &amp; 16; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model : M2+OLD WLS+NEW CAMERA

Power :

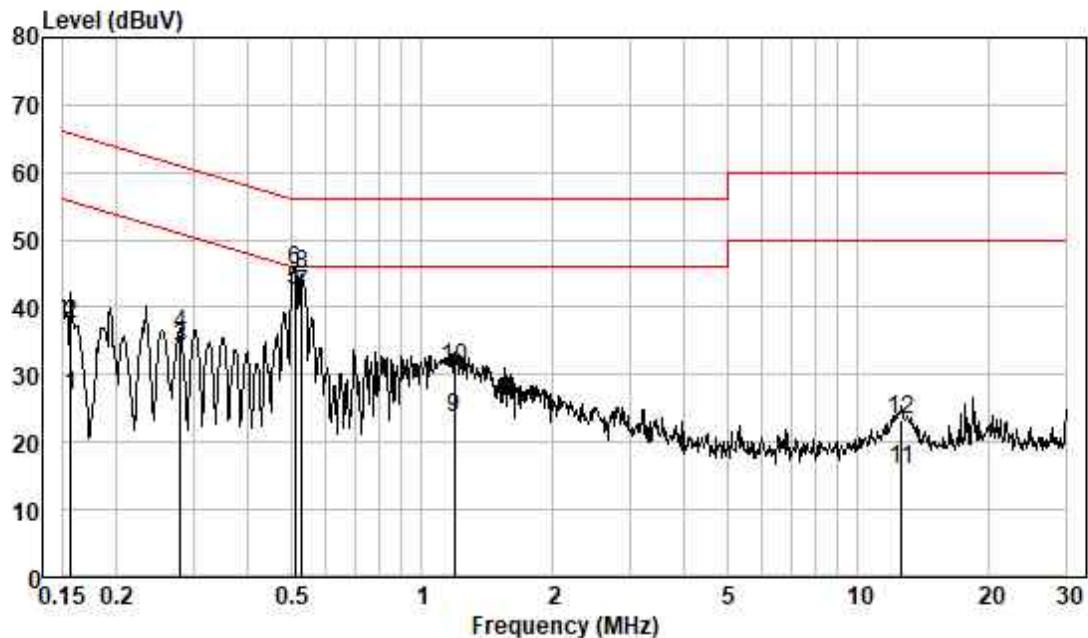
Frequency MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
	-----	-----	-----	-----	-----	-----	
1 0.156	31.18	0.04	9.52	40.74	55.65	-14.91	Average
2 0.156	38.94	0.04	9.52	48.50	65.65	-17.15	QP
3 0.258	23.06	0.04	9.53	32.63	51.51	-18.88	Average
4 0.258	30.57	0.04	9.53	40.14	61.51	-21.37	QP
5 0.513	28.30	0.05	9.58	37.93	46.00	-8.07	Average
6 0.513	31.91	0.05	9.58	41.54	56.00	-14.46	QP
7 1.088	9.69	0.08	9.56	19.33	46.00	-26.67	Average
8 1.088	17.87	0.08	9.56	27.51	56.00	-28.49	QP
9 2.409	5.41	0.14	9.57	15.12	46.00	-30.88	Average
10 2.409	13.10	0.14	9.57	22.81	56.00	-33.19	QP
11 13.127	6.92	0.30	9.86	17.08	50.00	-32.92	Average
12 13.127	14.04	0.30	9.86	24.20	60.00	-35.80	QP



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Test Mode: 20 &amp; 21; Line: Live line



Pol :LINE

Mode :

Model :M1+NEW WLS+OLD CAMERA

Power :

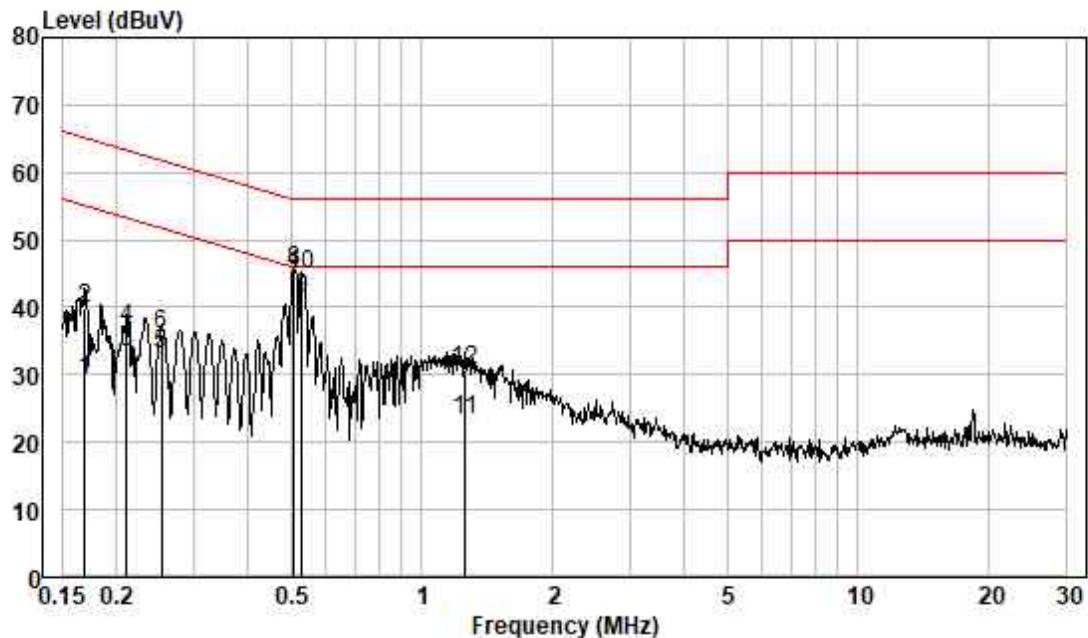
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.156	17.24	0.04	9.56	26.84	55.65	-28.81	Average
2	0.156	27.76	0.04	9.56	37.36	65.65	-28.29	QP
3	0.279	24.33	0.04	9.56	33.93	50.85	-16.92	Average
4	0.279	26.56	0.04	9.56	36.16	60.85	-24.69	QP
5	0.513	32.75	0.05	9.58	42.38	46.00	-3.62	Average
6	0.513	35.87	0.05	9.58	45.50	56.00	-10.50	QP
7	0.532	32.17	0.05	9.57	41.79	46.00	-4.21	Average
8	0.532	35.18	0.05	9.57	44.80	56.00	-11.20	QP
9	1.184	13.88	0.08	9.53	23.49	46.00	-22.51	Average
10	1.184	21.26	0.08	9.53	30.87	56.00	-25.13	QP
11	12.582	5.83	0.29	9.79	15.91	50.00	-34.09	Average
12	12.582	13.29	0.29	9.79	23.37	60.00	-36.63	QP



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Test Mode: 20 &amp; 21; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model : M1+NEW WLS+OLD CAMERA

Power :

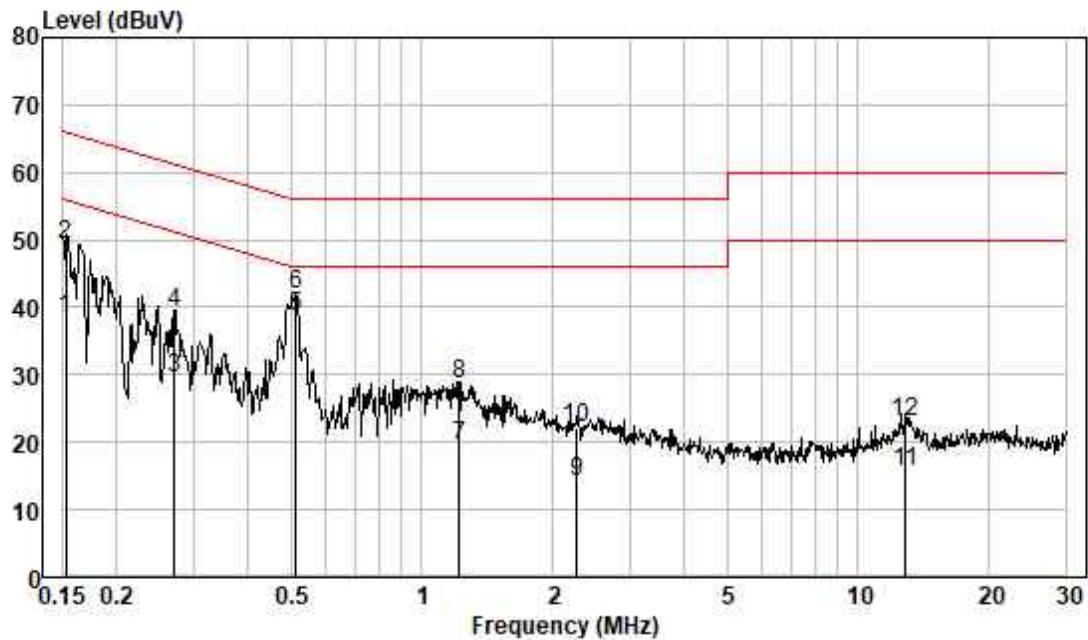
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.169	19.74	0.04	9.54	29.32	55.03	-25.71	Average
2	0.169	30.29	0.04	9.54	39.87	65.03	-25.16	QP
3	0.211	23.72	0.04	9.55	33.31	53.18	-19.87	Average
4	0.211	27.38	0.04	9.55	36.97	63.18	-26.21	QP
5	0.253	23.62	0.04	9.53	33.19	51.64	-18.45	Average
6	0.253	26.52	0.04	9.53	36.09	61.64	-25.55	QP
7	0.510	33.85	0.05	9.58	43.48	46.00	-2.52	Average
8	0.510	35.95	0.05	9.58	45.58	56.00	-10.42	QP
9	0.532	31.80	0.05	9.58	41.43	46.00	-4.57	Average
10	0.532	35.18	0.05	9.58	44.81	56.00	-11.19	QP
11	1.255	13.62	0.09	9.55	23.26	46.00	-22.74	Average
12	1.255	21.17	0.09	9.55	30.81	56.00	-25.19	QP



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Test Mode: 25 &amp; 26; Line: Live line



Pol :LINE

Mode :

Model :M2+NEW WLS+OLD CAMERA

Power :

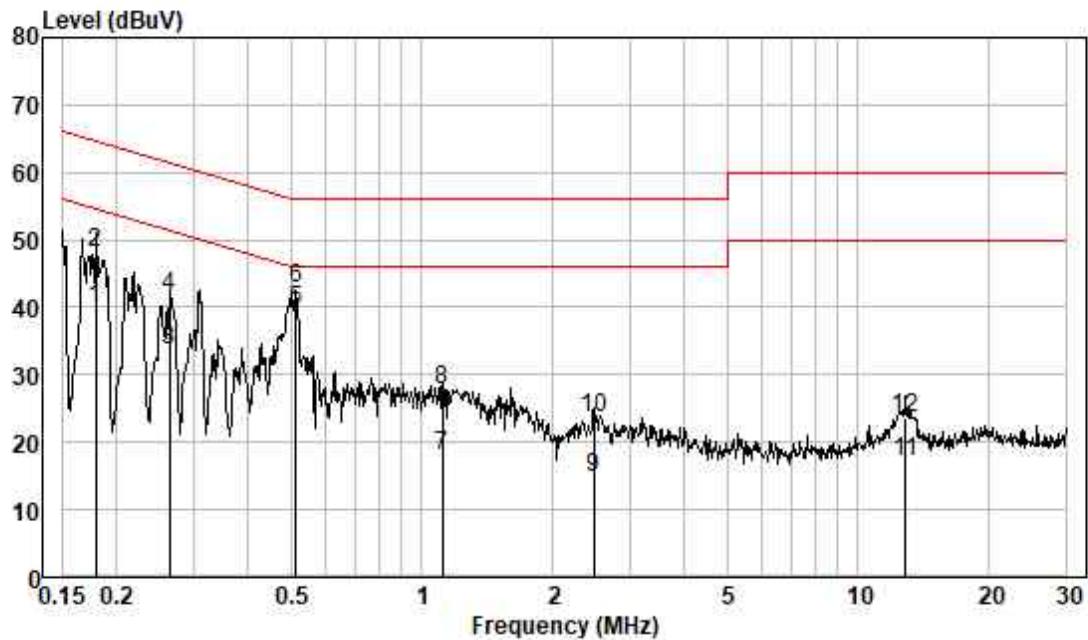
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.152	28.91	0.04	9.57	38.52	55.87	-17.35	Average
2	0.152	39.81	0.04	9.57	49.42	65.87	-16.45	QP
3	0.270	19.82	0.04	9.58	29.44	51.12	-21.68	Average
4	0.270	29.53	0.04	9.58	39.15	61.12	-21.97	QP
5	0.516	29.05	0.05	9.58	38.68	46.00	-7.32	Average
6	0.516	32.18	0.05	9.58	41.81	56.00	-14.19	QP
7	1.216	9.86	0.09	9.53	19.48	46.00	-26.52	Average
8	1.216	19.08	0.09	9.53	28.70	56.00	-27.30	QP
9	2.261	4.35	0.13	9.57	14.05	46.00	-31.95	Average
10	2.261	12.53	0.13	9.57	22.23	56.00	-33.77	QP
11	12.852	5.48	0.30	9.79	15.57	50.00	-34.43	Average
12	12.852	12.83	0.30	9.79	22.92	60.00	-37.08	QP



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Test Mode: 25 &amp; 26; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model : M2+NEW WLS+OLD CAMERA

Power :

	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.179	30.22	0.04	9.54	39.80	54.55	-14.75	Average
2	0.179	38.48	0.04	9.54	48.06	64.55	-16.49	QP
3	0.264	24.14	0.04	9.53	33.71	51.29	-17.58	Average
4	0.264	32.11	0.04	9.53	41.68	61.29	-19.61	QP
5	0.516	30.03	0.05	9.58	39.66	46.00	-6.34	Average
6	0.516	33.13	0.05	9.58	42.76	56.00	-13.24	QP
7	1.111	8.38	0.08	9.56	18.02	46.00	-27.98	Average
8	1.111	18.11	0.08	9.56	27.75	56.00	-28.25	QP
9	2.474	4.91	0.14	9.58	14.63	46.00	-31.37	Average
10	2.474	14.01	0.14	9.58	23.73	56.00	-32.27	QP
11	12.852	7.07	0.30	9.85	17.22	50.00	-32.78	Average
12	12.852	13.60	0.30	9.85	23.75	60.00	-36.25	QP



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**6.2 Radiated Spurious Emissions Below 1GHz**

Test Requirement 47 CFR Part 15, Subpart C 15.205 &amp; 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Limit:

Test Distance: 3 m

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

**6.2.1 E.U.T. Operation**

Operating Environment:

Temperature: 26.2 °C      Humidity: 50.8 % RH      Atmospheric Pressure: 1012 mbar

**6.2.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ new WLS + new camera.
Final test	01	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ new WLS + new camera.
Final test	05	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ new WLS + new camera.
Final test	06	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ new WLS + new camera.



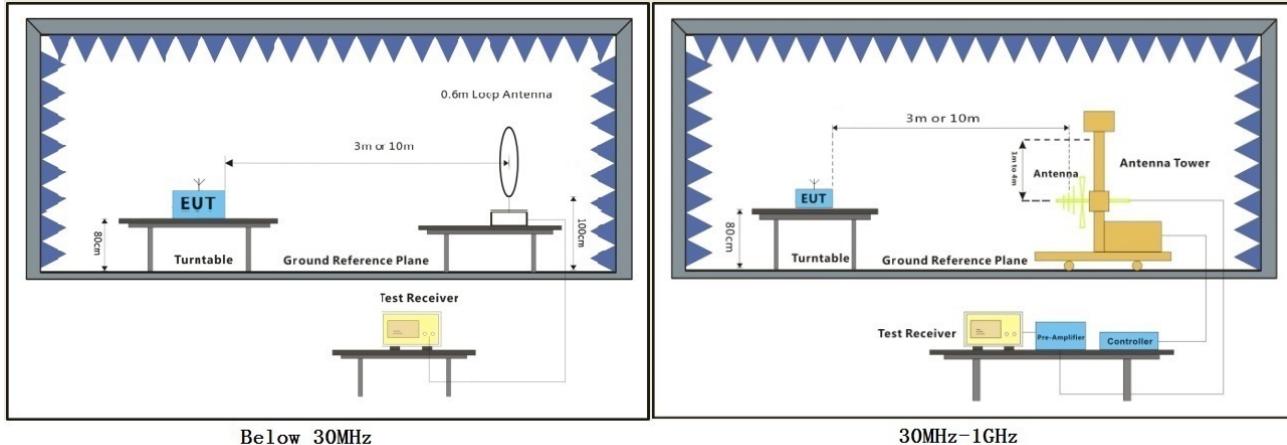
Final test	10	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ old WLS + new camera.
Final test	11	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ old WLS + new camera.
Final test	15	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ old WLS + new camera.
Final test	16	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ old WLS + new camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ old WLS + new camera.
Final test	20	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ new WLS + old camera.
Final test	21	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA1+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA1+ new WLS + old camera.
Final test	25	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ new WLS + old camera.
Final test	26	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation for PCBA2+ new WLS + old camera. TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report for PCBA2+ new WLS + old camera.



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### 6.2.3 Test Setup Diagram



### 6.2.4 Measurement Procedure and Data

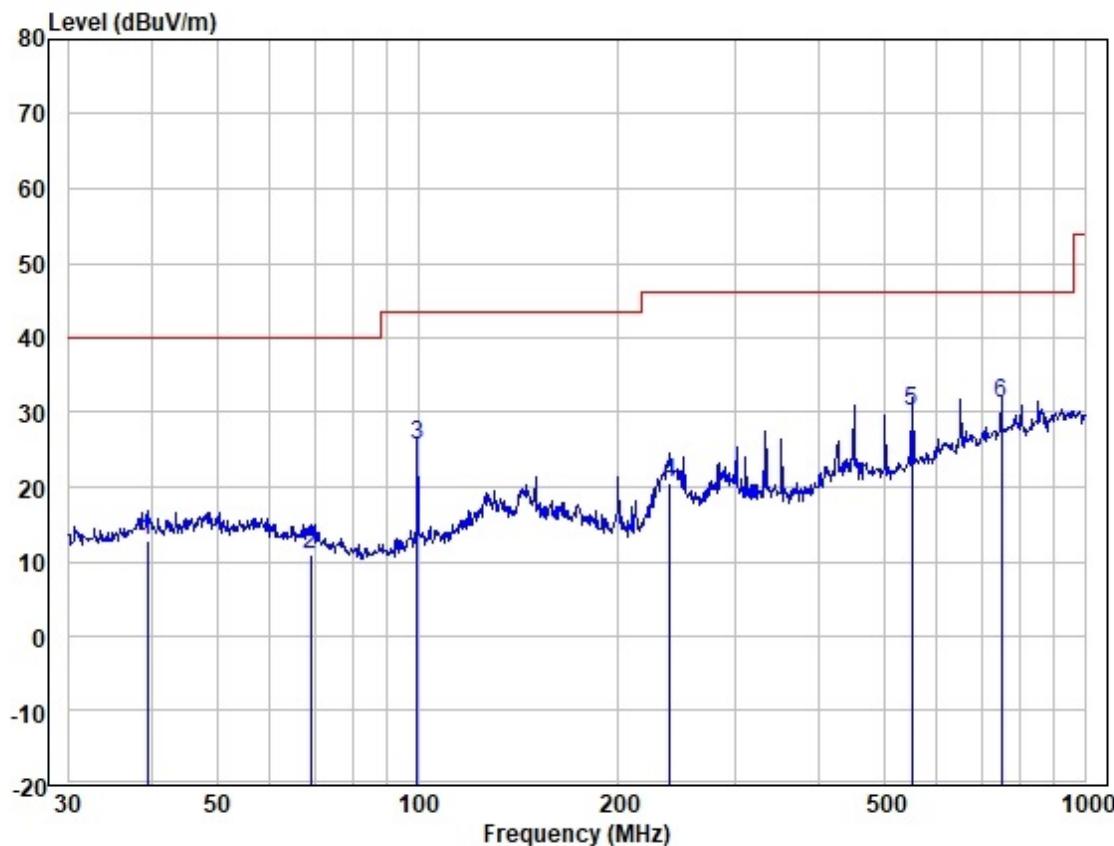
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.



Test Mode: 00 &amp; 01; Polarity: Horizontal

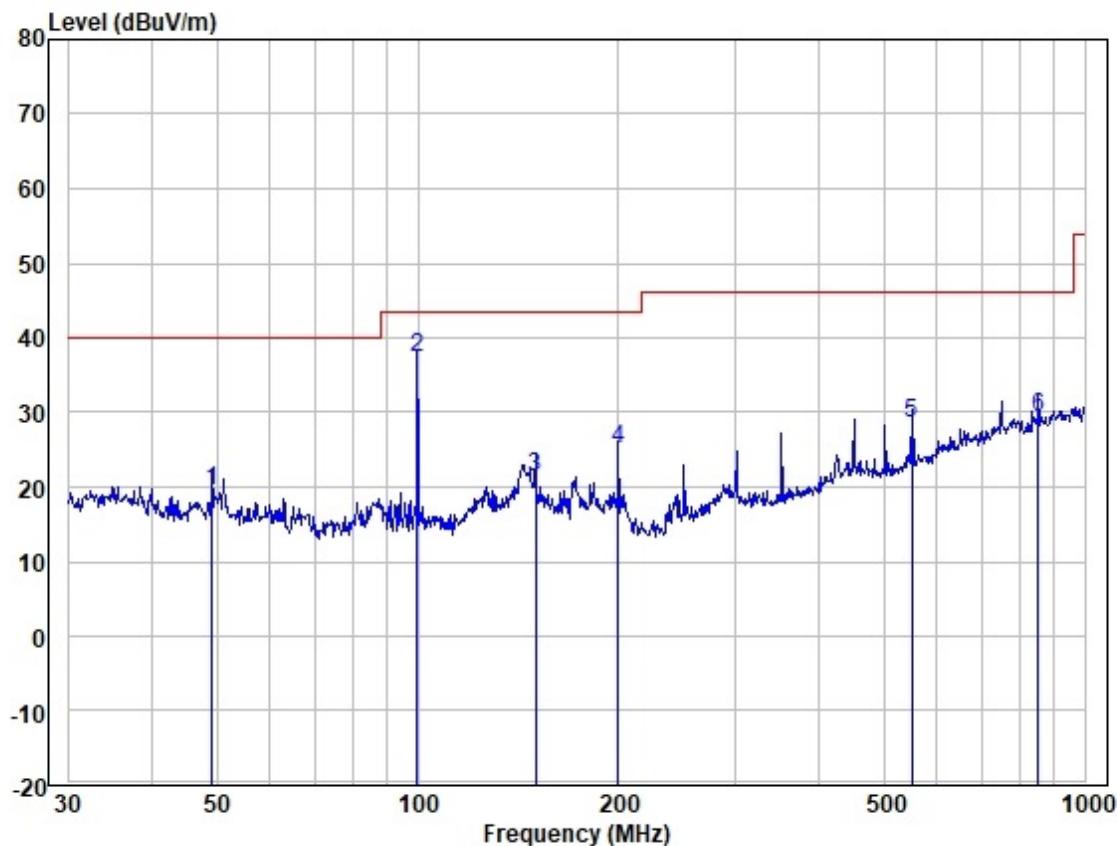


Site : 966 Chamber  
Job :  
Model : M1+NEW WLS+NEW CAMERA  
Power :  
Test Mode :

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
1 39.299	26.07	19.09	0.35	32.77	12.74	40.00	-27.26	HORIZONTAL	QP
2 69.114	25.93	17.37	0.46	32.76	11.00	40.00	-29.00	HORIZONTAL	QP
3 99.878	43.23	14.55	0.54	32.70	25.62	43.52	-17.90	HORIZONTAL	QP
4 239.147	35.11	17.27	0.85	32.83	20.40	46.02	-25.62	HORIZONTAL	QP
5 550.948	37.24	24.34	1.36	32.85	30.09	46.02	-15.93	HORIZONTAL	QP
6 750.108	33.14	28.23	1.60	31.70	31.27	46.02	-14.75	HORIZONTAL	QP



Test Mode: 00 &amp; 01; Polarity: Vertical



Site : 966 Chamber  
Job :  
Model : M1+NEW WLS+NEW CAMERA  
Power :  
Test Mode :

Freq	Read	Antena	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1	49.187	32.36	19.53	0.39	32.79	19.49	40.00	-20.51	VERTICAL QP
2	99.878	54.93	14.55	0.54	32.70	37.32	43.52	-6.20	VERTICAL QP
3	150.011	34.48	19.04	0.67	32.76	21.43	43.52	-22.09	VERTICAL QP
4	199.986	41.41	15.80	0.79	32.81	25.19	43.52	-18.33	VERTICAL QP
5	550.948	35.55	24.34	1.36	32.85	28.40	46.02	-17.62	VERTICAL QP
6	851.035	30.15	28.91	1.71	31.48	29.29	46.02	-16.73	VERTICAL QP

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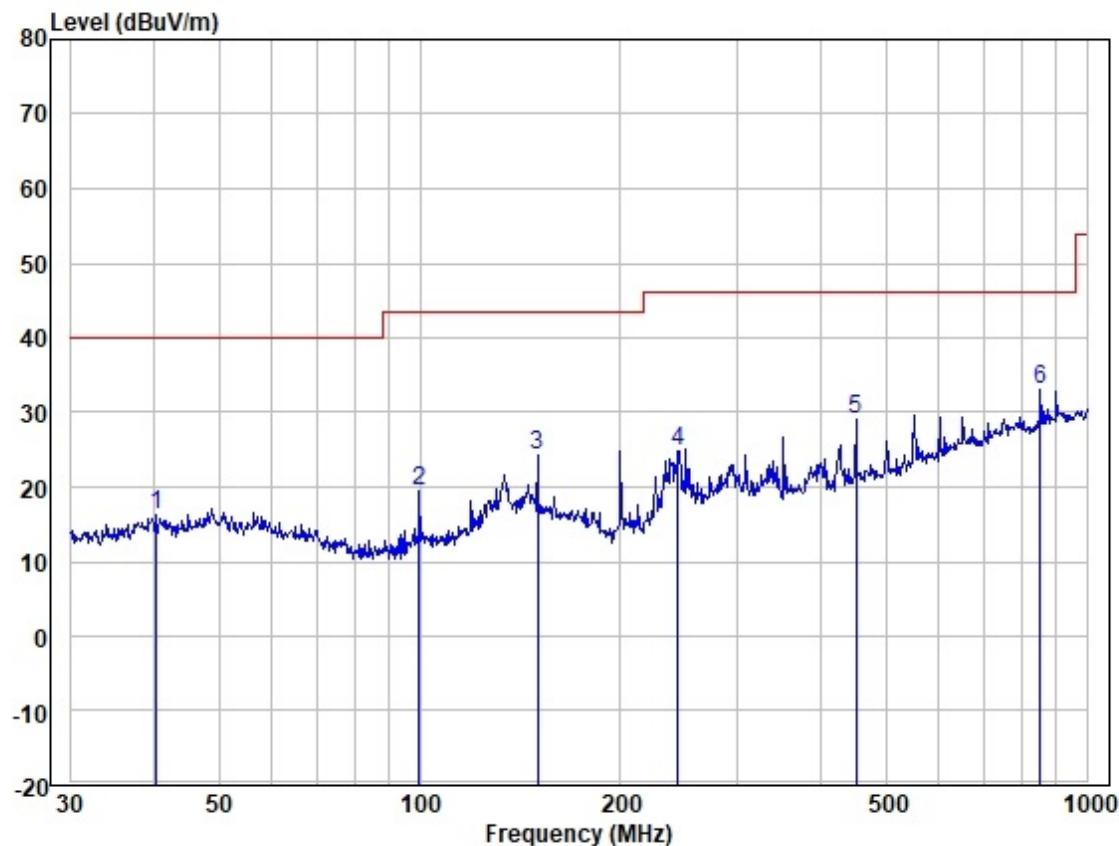


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Test Mode: 05 &amp; 06; Polarity: Horizontal



Site : 966 Chamber  
Job :  
Model : M2+NEW WLS+NEW CAMERA  
Power :  
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 40.276	29.45	19.16	0.35	32.78	16.18	40.00	-23.82	HORIZONTAL	QP
2 99.878	37.06	14.55	0.54	32.70	19.45	43.52	-24.07	HORIZONTAL	QP
3 150.011	37.19	19.04	0.67	32.76	24.14	43.52	-19.38	HORIZONTAL	QP
4 243.377	39.41	17.40	0.86	32.83	24.84	46.02	-21.18	HORIZONTAL	QP
5 451.135	37.94	22.75	1.23	32.93	28.99	46.02	-17.03	HORIZONTAL	QP
6 851.035	33.89	28.91	1.71	31.48	33.03	46.02	-12.99	HORIZONTAL	QP

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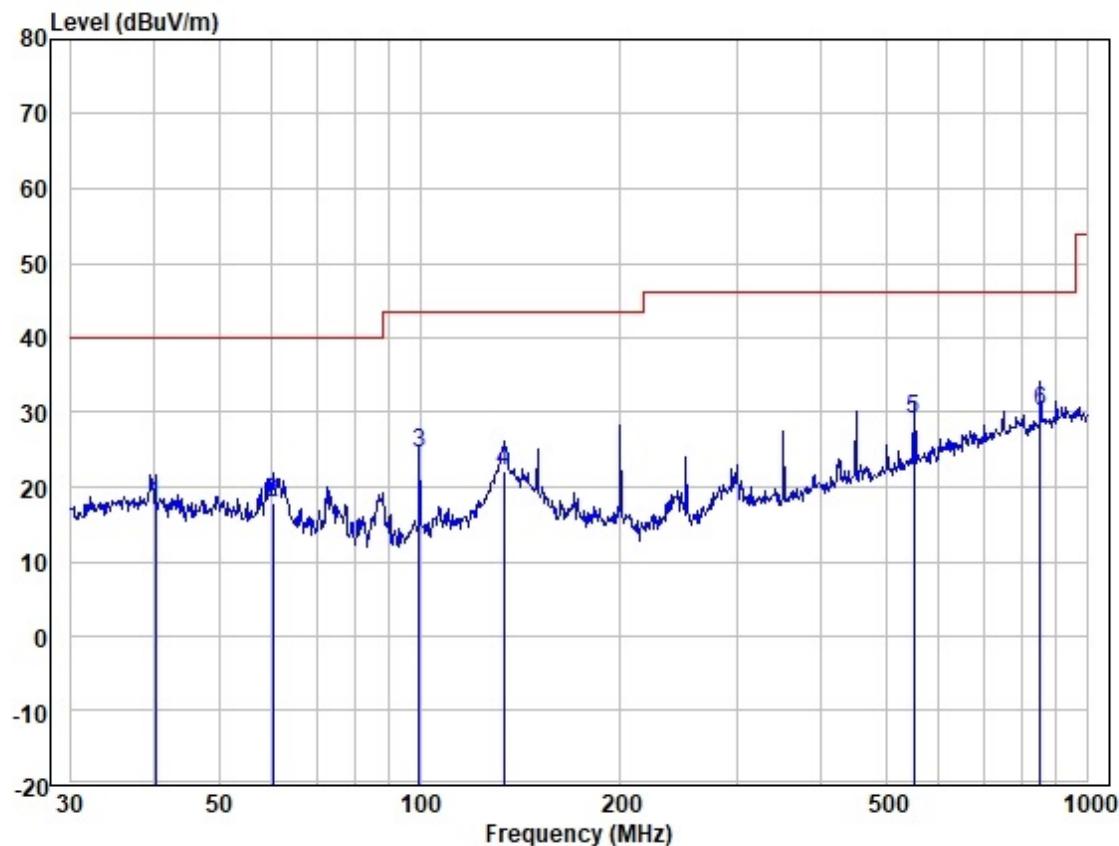
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Test Mode: 05 &amp; 06; Polarity: Vertical



Site : 966 Chamber  
Job :  
Model : M2+NEW WLS+NEW CAMERA  
Power :  
Test Mode :

Freq	Read	Antena	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 40.135	30.91	19.09	0.35	32.78	17.57	40.00	-22.43	VERTICAL	QP
2 60.280	31.40	18.79	0.41	32.78	17.82	40.00	-22.18	VERTICAL	QP
3 99.878	42.23	14.55	0.54	32.70	24.62	43.52	-18.90	VERTICAL	QP
4 133.619	35.81	18.34	0.63	32.73	22.05	43.52	-21.47	VERTICAL	QP
5 550.948	36.31	24.34	1.36	32.85	29.16	46.02	-16.86	VERTICAL	QP
6 851.035	30.95	28.91	1.71	31.48	30.09	46.02	-15.93	VERTICAL	QP

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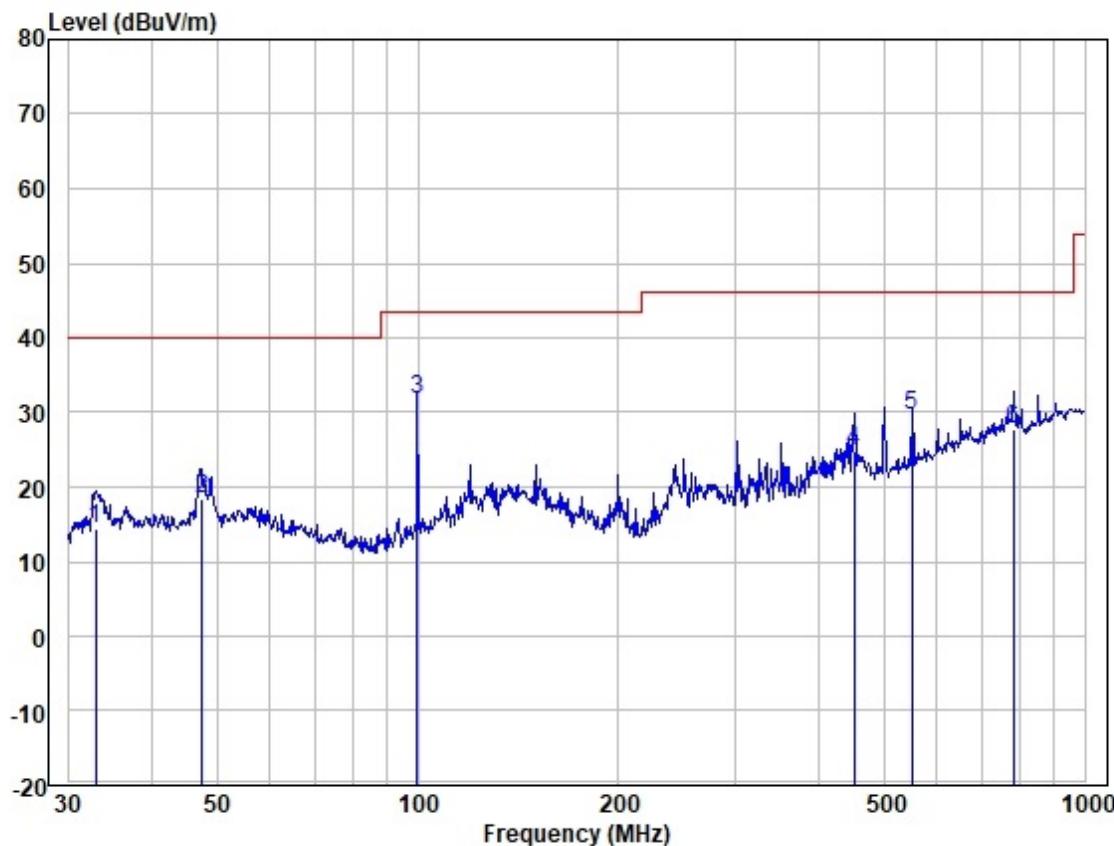


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Test Mode: 10 &amp; 11; Polarity: Horizontal



Site : 966 Chamber  
Job :  
Model : M1+OLD WLS+NEW CAMERA  
Power :  
Test Mode :

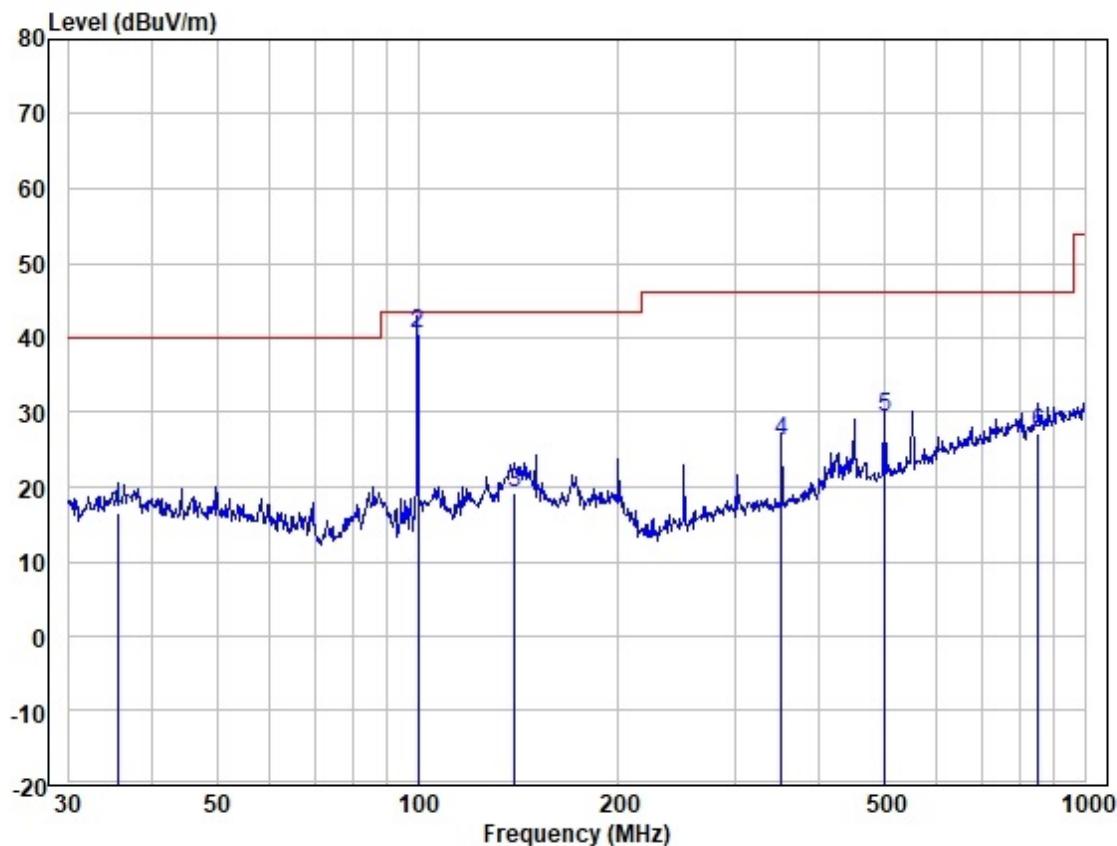
Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 32.979	29.04	17.79	0.31	32.76	14.38	40.00	-25.62	HORIZONTAL	QP
2 47.492	31.29	19.50	0.38	32.79	18.38	40.00	-21.62	HORIZONTAL	QP
3 99.878	49.37	14.55	0.54	32.70	31.76	43.52	-11.76	HORIZONTAL	QP
4 451.135	33.76	22.75	1.23	32.93	24.81	46.02	-21.21	HORIZONTAL	QP
5 550.948	36.82	24.34	1.36	32.85	29.67	46.02	-16.35	HORIZONTAL	QP
6 779.607	29.31	28.40	1.65	31.64	27.72	46.02	-18.30	HORIZONTAL	QP



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Test Mode: 10 &amp; 11; Polarity: Vertical



Site : 966 Chamber  
Job :  
Model : M1+OLD WLS+NEW CAMERA  
Power :  
Test Mode :

Freq	Read	Antena	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 35.499	30.60	18.39	0.32	32.76	16.55	40.00	-23.45	VERTICAL	QP
2 100.005	58.10	14.55	0.54	32.70	40.49	43.52	-3.03	VERTICAL	QP
3 139.851	32.63	18.64	0.64	32.73	19.18	43.52	-24.34	VERTICAL	QP
4 350.477	37.62	20.29	1.07	32.88	26.10	46.02	-19.92	VERTICAL	QP
5 501.179	37.53	23.58	1.29	32.94	29.46	46.02	-16.56	VERTICAL	QP
6 851.035	28.10	28.91	1.71	31.48	27.24	46.02	-18.78	VERTICAL	QP

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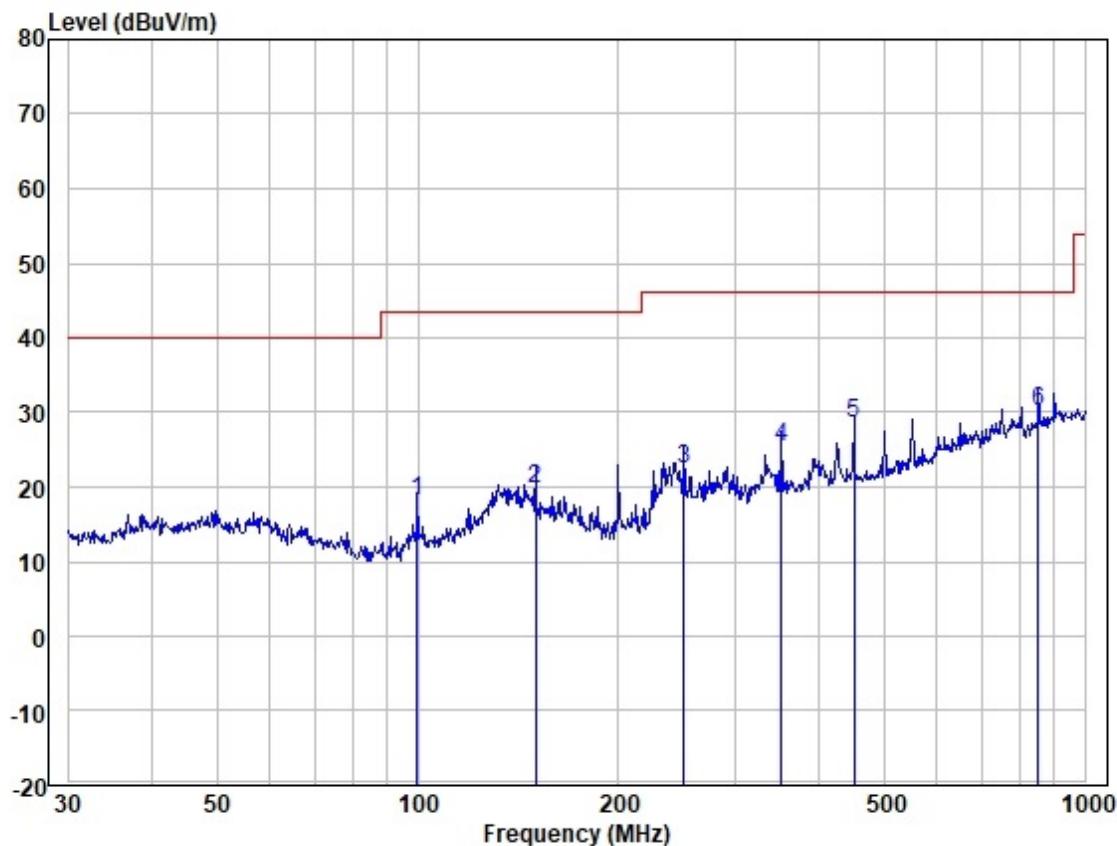


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Test Mode: 15 &amp; 16; Polarity: Horizontal



Site : 966 Chamber  
 Job :  
 Model : M2+OLD WLS+NEW CAMERA  
 Power :  
 Test Mode :

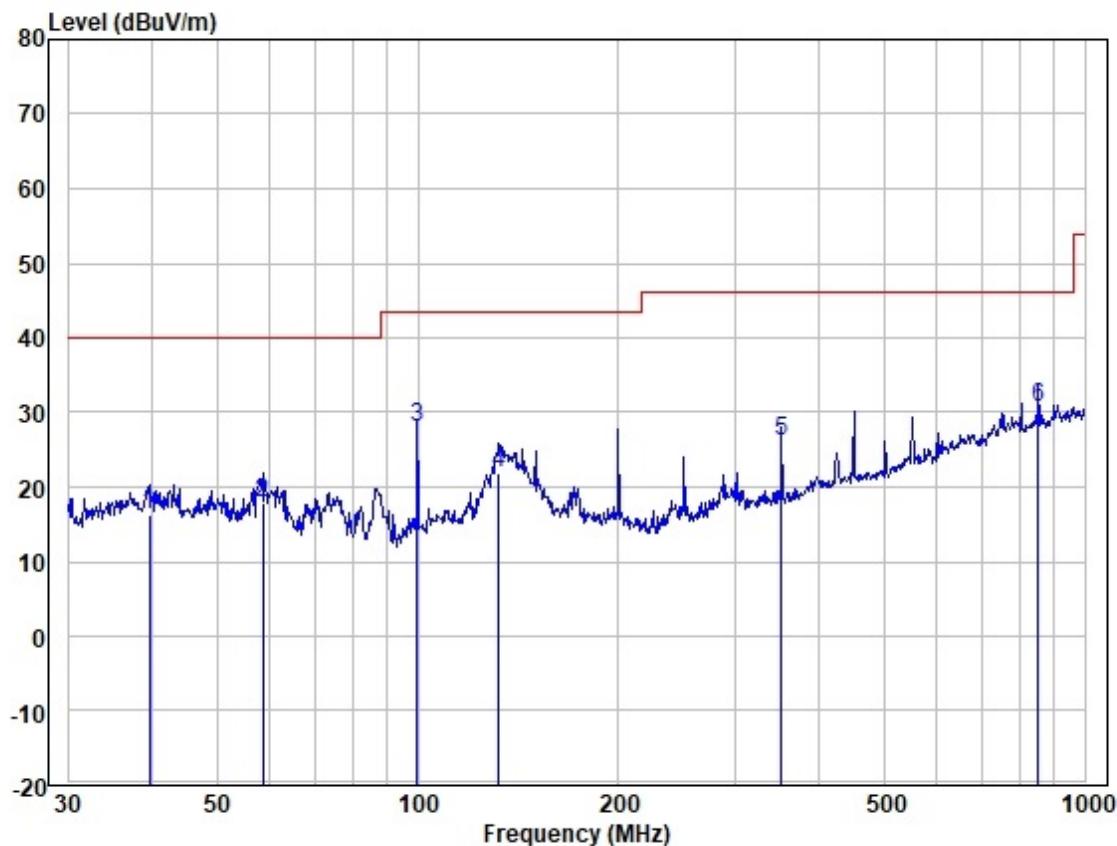
Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 99.878	35.71	14.55	0.54	32.70	18.10	43.52	-25.42	HORIZONTAL	QP
2 150.011	32.74	19.04	0.67	32.76	19.69	43.52	-23.83	HORIZONTAL	QP
3 250.301	36.61	17.62	0.88	32.84	22.27	46.02	-23.75	HORIZONTAL	QP
4 350.477	36.98	20.29	1.07	32.88	25.46	46.02	-20.56	HORIZONTAL	QP
5 451.135	37.57	22.75	1.23	32.93	28.62	46.02	-17.40	HORIZONTAL	QP
6 851.035	31.12	28.91	1.71	31.48	30.26	46.02	-15.76	HORIZONTAL	QP

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Test Mode: 15 &amp; 16; Polarity: Vertical



Site : 966 Chamber  
Job :  
Model : M2+OLD WLS+NEW CAMERA  
Power :  
Test Mode :

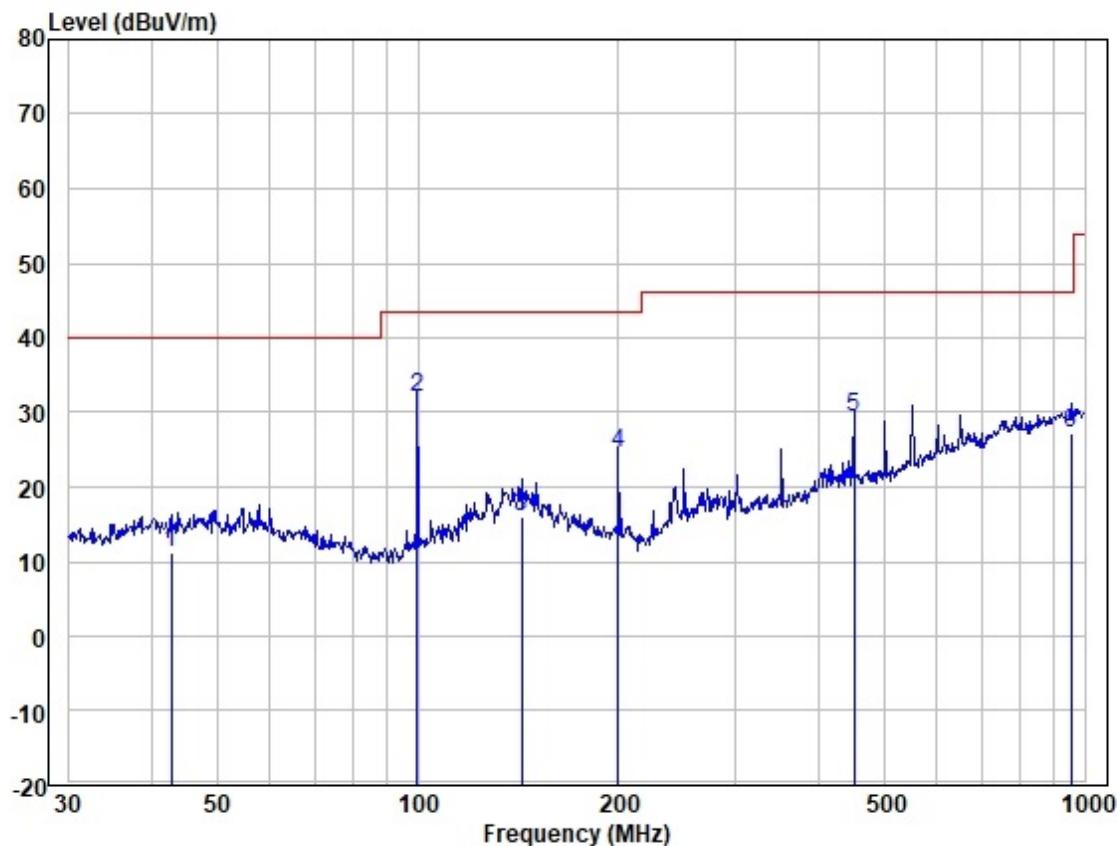
Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
1	39.576	29.61	19.09	0.35	32.78	16.27	40.00	-23.73	VERTICAL QP
2	58.613	31.35	18.99	0.41	32.78	17.97	40.00	-22.03	VERTICAL QP
3	99.878	45.63	14.55	0.54	32.70	28.02	43.52	-15.50	VERTICAL QP
4	132.221	35.80	18.19	0.63	32.72	21.90	43.52	-21.62	VERTICAL QP
5	350.477	37.59	20.29	1.07	32.88	26.07	46.02	-19.95	VERTICAL QP
6	851.035	31.66	28.91	1.71	31.48	30.80	46.02	-15.22	VERTICAL QP

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Test Mode: 20 &amp; 21; Polarity: Horizontal



Site : 966 Chamber  
Job :  
Model : M1+NEW WLS+OLD CAMERA  
Power :  
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1	42.750	24.25	19.31	0.36	32.78	11.14	40.00	-28.86	HORIZONTAL QP
2	99.878	49.58	14.55	0.54	32.70	31.97	43.52	-11.55	HORIZONTAL QP
3	143.326	29.33	18.77	0.65	32.74	16.01	43.52	-27.51	HORIZONTAL QP
4	199.986	40.67	15.80	0.79	32.81	24.45	43.52	-19.07	HORIZONTAL QP
5	451.135	38.29	22.75	1.23	32.93	29.34	46.02	-16.68	HORIZONTAL QP
6	952.094	26.27	29.76	1.80	30.76	27.07	46.02	-18.95	HORIZONTAL QP

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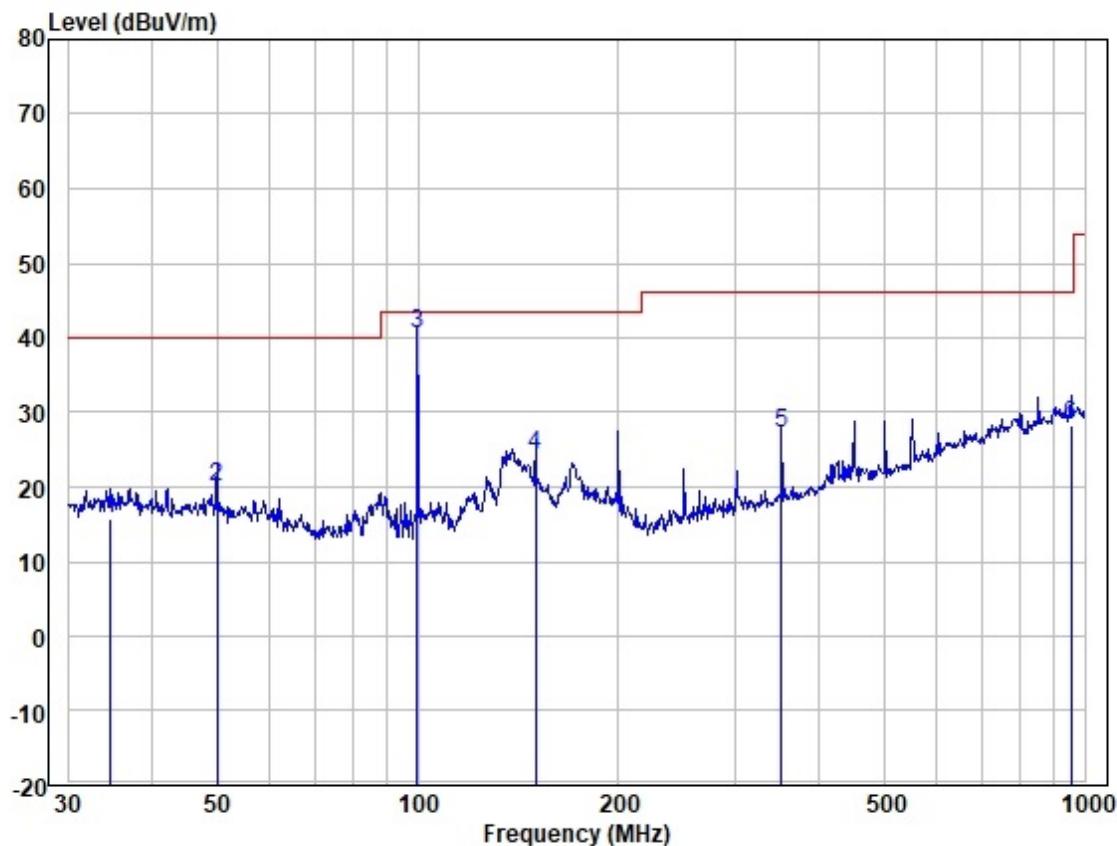
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Test Mode: 20 &amp; 21; Polarity: Vertical



Site : 966 Chamber  
 Job :  
 Model : M1+NEW WLS+OLD CAMERA  
 Power :  
 Test Mode :

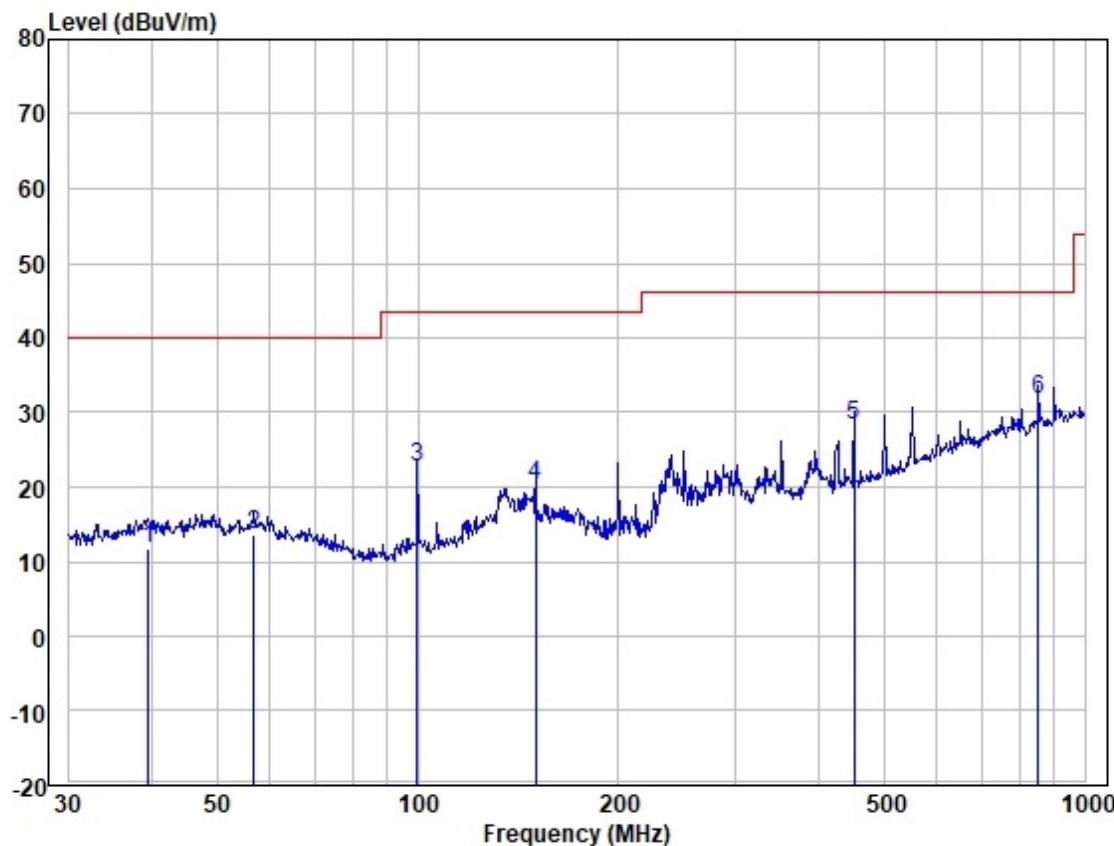
Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	34.639	30.00	18.23	0.32	32.76	15.79	40.00	-24.21	VERTICAL QP
2	50.057	32.74	19.55	0.39	32.79	19.89	40.00	-20.11	VERTICAL QP
3	99.878	58.10	14.55	0.54	32.70	40.49	43.52	-3.03	VERTICAL QP
4	150.011	37.44	19.04	0.67	32.76	24.39	43.52	-19.13	VERTICAL QP
5	350.477	38.59	20.29	1.07	32.88	27.07	46.02	-18.95	VERTICAL QP
6	952.094	27.39	29.76	1.80	30.76	28.19	46.02	-17.83	VERTICAL QP



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Test Mode: 25 &amp; 26; Polarity: Horizontal



Site : 966 Chamber  
Job :  
Model : M2+NEW WLS+OLD CAMERA  
Power :  
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1	39.437	24.94	19.09	0.35	32.77	11.61	40.00	-28.39	HORIZONTAL QP
2	56.792	26.94	19.08	0.40	32.78	13.64	40.00	-26.36	HORIZONTAL QP
3	99.878	40.28	14.55	0.54	32.70	22.67	43.52	-20.85	HORIZONTAL QP
4	150.011	33.37	19.04	0.67	32.76	20.32	43.52	-23.20	HORIZONTAL QP
5	451.135	37.15	22.75	1.23	32.93	28.20	46.02	-17.82	HORIZONTAL QP
6	851.035	32.53	28.91	1.71	31.48	31.67	46.02	-14.35	HORIZONTAL QP

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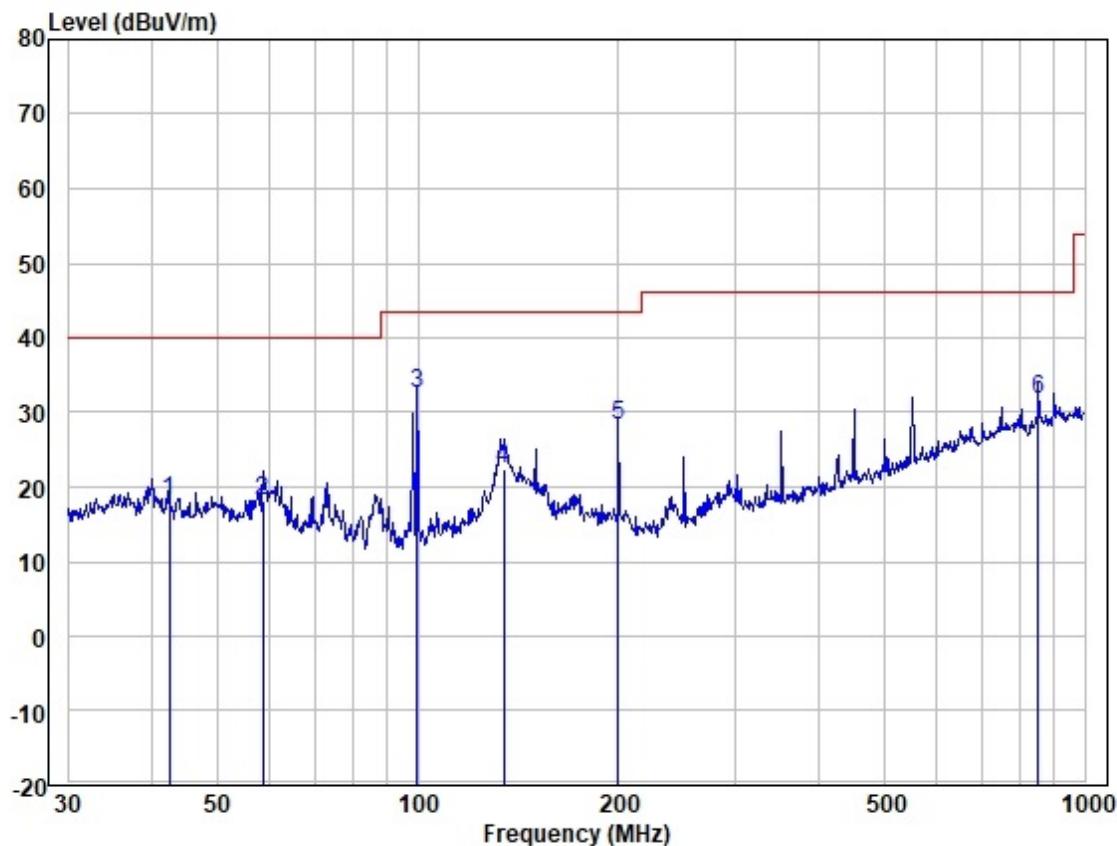
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Test Mode: 25 &amp; 26; Polarity: Vertical



Site : 966 Chamber  
Job :  
Model : M2+NEW WLS+OLD CAMERA  
Power :  
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 42.451	31.24	19.31	0.36	32.78	18.13	40.00	-21.87	VERTICAL	QP
2 58.613	31.64	18.99	0.41	32.78	18.26	40.00	-21.74	VERTICAL	QP
3 99.878	50.04	14.55	0.54	32.70	32.43	43.52	-11.09	VERTICAL	QP
4 134.559	36.04	18.41	0.63	32.73	22.35	43.52	-21.17	VERTICAL	QP
5 199.986	44.36	15.80	0.79	32.81	28.14	43.52	-15.38	VERTICAL	QP
6 851.035	32.69	28.91	1.71	31.48	31.83	46.02	-14.19	VERTICAL	QP

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## 7 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR220600084714



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## 8 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2503000361LM

- End of the Report -



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