

# CO-LOCATION RADIO TEST REPORT

**Product** : Pro 5 Wire-Free Spotlight Camera  
**Model Name** : VMC4060  
**FCC ID** : 2APLE18300428  
**Test Regulation** : FCC 47 CFR PART 15 Subpart C (Section 15.247)  
FCC 47 CFR PART 15 Subpart E (Section 15.407)  
**Received Date** : 2023/12/18  
**Test Date** : 2024/1/16 ~ 2024/1/24  
**Issued Date** : 2024/2/1  
**Applicant** : Arlo Technologies Inc  
2200 Faraday Avenue, Suite 150, Carlsbad, CA 92008, USA  
**Issued By** : Underwriters Laboratories Taiwan Co., Ltd.  
Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd.,  
Zhudong Township, Hsinchu County, Taiwan



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## 1. Attestation of Test Results

**APPLICANT:** Arlo Technologies Inc  
2200 Faraday Avenue, Suite 150, Carlsbad, CA 92008, USA

**MANUFACTURER:** Fuyu Precision Component Company Limited  
Lot M1 and Lot F, Quang Chau Industrial Park, Van Trung  
Commune, Viet Yen District, Bac Giang Province, Viet Nam

**EUT DESCRIPTION:** Pro 5 Wire-Free Spotlight Camera

**BRAND:** Arlo

**MODEL:** VMC4060

**SAMPLE STAGE:** Engineering Verification Test sample

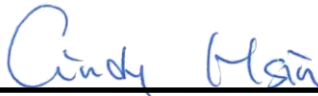
**DATE of TESTED:** 2024/1/16 ~ 2024/1/24

APPLICABLE STANDARDS	
STANDARD	Test Results
FCC 47 CFR PART 15 Subpart C (Section 15.247)	PASS
FCC 47 CFR PART 15 Subpart E (Section 15.407)	PASS

Underwriters Laboratories Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Underwriters Laboratories Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

**Note:** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by Underwriters Laboratories Taiwan Co., Ltd. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by Underwriters Laboratories Taiwan Co., Ltd. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Prepared By:



Cindy Hsin  
Project Handler

Date : 2024/2/1

Approved and Authorized By:



Eric Lee  
Senior Laboratory Engineer

Date : 2024/2/1

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## 2. Summary of Test Results

Summary of Test Results		
FCC Clause	Test Items	Result
15.205 / 15.209 / 15.247(d) / 15.407(b) (1/2/3/4(i/ii)/9) /15.407(b)(5)(8)	Radiated Spurious Emission	PASS
15.207 15.407(b)(9)	AC Power Conducted Emission	PASS

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### 3. Test Methodology and Reference Procedures

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2, KDB 558074 D01 Meas Guidance v05r02, KDB 789033 D02 General UNII Test Procedure New Rules v02r01, KDB 414788 D01 Radiated Test Site v01r01, ANSI C63.10-2013.

### 4. Facilities and Accreditation

<b>Test Location</b>	Underwriters Laboratories Taiwan Co., Ltd.
<b>Address</b>	Building A, B and E, No. 372-7, Sec. 4, Zhongxing Rd., Zhudong Township, Hsinchu County, Taiwan
<b>Accreditation Certificate</b>	Underwriters Laboratories Taiwan Co., Ltd. is accredited by TAF, Laboratory Code 3398.

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## 5. Measurement Uncertainty

For statement of conformity, simple acceptance (Section 3.1.4 of IEC Guide 115) was applied as decision rule for measurement in this test report.

The following uncertainties have been calculated to provide a confidence level of 95 % using a coverage factor  $k=2$ .

Determining compliance based on the results of the compliance measurement, not considering measurement instrumentation uncertainty.

Measurement	Frequency	Uncertainty
Conducted disturbance at mains terminals ports	150kHz ~ 30MHz	3.1 dB
RF Conducted	9 kHz - 40GHz	2.3 dB
Radiated disturbance below 30MHz	9 kHz - 30 MHz	3.2 dB
Radiated disturbance below 1 GHz	30MHz ~ 1GHz	6.1 dB
Radiated disturbance above 1 GHz	1GHz ~ 40GHz	5.1 dB

## 6. Equipment under Test

### 6.1. Description of EUT

<b>Product</b>	Pro 5 Wire-Free Spotlight Camera
<b>Brand Name</b>	Arlo
<b>Model Name</b>	VMC4060
<b>Normal Voltage</b>	5Vdc from adapter 3.85Vdc from battery 3.6Vdc from battery
<b>Sample ID</b>	Conducted Test: 6854048 Radiated Test: 6854048

Note:

- The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitters and one receivers.

Modulation Mode	Tx,Rx Function
Sub-G	1TX,1RX
802.11a	1TX,1RX
802.11b	1TX,1RX
802.11g	1TX,1RX
802.11n (HT20)	1TX,1RX

- The EUT contains following accessory devices:

Product	Brand	Model	Description
USB Cable	Nienyi	310-50012-04	Length:0.9m
Battery	Arlo	A-4a	4800mAh, 3.85V, 18.48Wh
Battery	Arlo	A-14	13400mAh, 3.6V, 48.24Wh

- The above EUT information is declared by manufacturer and for more detailed features description, please refer the manufacturer's or user's manual, the laboratory shall not be held responsible.

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## 6.2. Test Condition

Test Item	Test Site No.	Environmental Condition	Input Power	Test Date	Tested by
Radiated Spurious Emission	966-2	22~26°C/ 62~68%RH	5Vdc	2024/01/16~ 2024/01/19	WaterNil Guan
AC power Line Conducted Emission	SR1	22°C/ 62%RH	120Vac/ 60Hz	2024/01/24	WaterNil Guan

FCC Test Firm Registration Number: 498077

### Sample Calculation:

#### Radiated Spurious Emission:

- Where relevant, the follow sample calculation is provided:  
Result Value (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).  
Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Loss (dB) - Preamp Factor (dB).  
Example: Result Value (34.5dBuV/m) = Reading Value (40.1dBuV) + Antenna Factor (18.7dB/m) + Cable Loss (4.2dB) - Preamp Factor (28.5dB).

#### AC power Line Conducted Emission:

- Where relevant, the follow sample calculation is provided:  
Result Value (dBuV) = Reading Value (dBuV) + Correction Factor (dB).  
Correction Factor (dB) = Insertion loss(dB) + Cable loss(dB).  
Example: Result Value (53.7dBuV) = Reading Value (35.1dBuV) + Insertion loss(18.1dB) + Cable loss(0.5dB).

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### 6.3. Description of Available Antennas

#### For WLAN

Ant. No.	Transmitter Circuit	Brand Name	Model Name	Ant. Type	Frequency Band (MHz)	Maximum Gain (dBi)
1	Chain (0)	N/A	N/A	Metal	2400~2500	2
					5150~5850	3.4

#### For Sub-G

Ant. No.	Transmitter Circuit	Brand Name	Model Name	Ant. Type	Frequency Band (MHz)	Maximum Gain (dBi)
1	Chain (0)	N/A	N/A	PCB	902~928	-2.4

Note: The above antenna information was provided from customer and for more detailed features description, please refer the manufacturer's specification or user's manual, the laboratory shall not be held responsible.

## 6.4. Test Mode Applicability and Tested Channel Detail

Simultaneously transmission condition:

Condition	Technology	
1	Sub-G	WLAN (2.4GHz)
2	Sub-G	WLAN (5GHz)

Note: The emission of the simultaneous operation has been evaluated and no non-compliance was found.

## 7. Test Equipment

Test Equipment List					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Expired date
<b>Radiated Spurious Emission</b>					
Spectrum Analyzer	Keysight	N9010A	MY56070827	2023/4/7	2024/4/6
EMI Test Receiver	Rohde & Schwarz	ESR7	101754	2023/11/22	2024/11/21
Loop Antenna	ETS lindgren	6502	00213440	2023/12/13	2024/12/12
Trilog-Broadband Antenna with 5dB Attenuator	Schwarzbeck	VULB 9168 & N-6-05	774 & AT-N0538	2024/1/5	2025/1/4
Horn Antenna (1-18 GHz)	Schwarzbeck	BBHA 9120 D	01690	2023/12/8	2024/12/7
Horn Antenna (18-40 GHz)	Schwarzbeck	BBHA 9170	781	2023/12/27	2024/12/26
Preamplifier (30-1000 MHz)	EMCI	EMC330E	980405	2023/6/7	2024/6/6
Preamplifier (1-18 GHz)	EMCI	EMC051835BE	980406	2023/2/17	2024/2/16
Preamplifier (18-40GHz)	EMCI	EMC184040SEE	980426	2023/5/9	2024/5/8
Cables	Hanyitek	K1K50-UP0264-K1K50-2500	170214-4 & 170425-2	2023/11/29	2024/11/28
Cables	Hanyitek	K1K50-UP0264-K1K50-2500	170214-1 & 170214-2	2023/11/29	2024/11/28

Test Equipment List					
Equipment	Manufacturer	Model No.	Serial No.	Cal. Date	Expired date
AC power Line Conducted Emission					
EMI Test Receiver	Rohde & Schwarz	ESR7	101753	2023/10/23	2024/10/22
Attenuator	EMCI	EMC-40ATK2W10	17002	2023/11/15	2024/11/14
Two-Line V-Network	Rohde & Schwarz	ENV216	102136	2023/5/24	2024/5/23
Impuls-Begrenzer Pulse Limiter	Rohde & Schwarz	ESH3-Z2	102219-Qt	2023/9/7	2024/9/6
Cables	TITAN	CFD200	T0732ACFD200 20A300-2	2023/5/23	2024/5/22

UL Software		
Description	Name	Version
Radiated measurement	e3	6.191211 (V6)
AC power Line Conducted Emission	EZ_EMG	UL-3A1.2

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## 8. Description of Test Setup

### Support Equipment

ID	Equipment	Brand Name	Model Name	S/N	Remark
A	AC Adapter	PIE	AD2158	332-50114-01	Provided by Client
B	Laptop	DELL	Latitude E5470	CXSKWF2	Provided by Lab

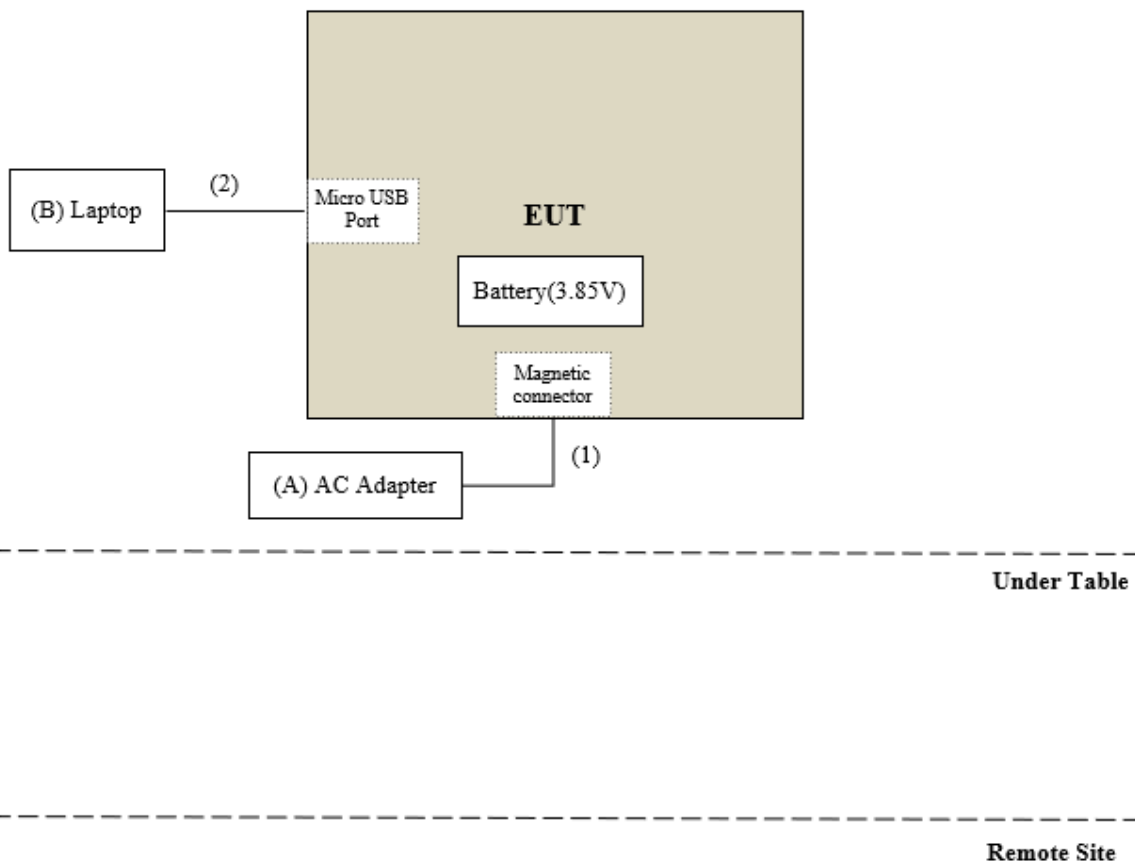
### I/O Cables

ID	Equipment	Brand Name	Model Name	Length (m)	Remark
1	USB Cable	Nienyi	310-50012-04	0.9	Provided by Client
2	Micro USB Cable	WONDER	WA-W07UA	0.8	Provided by Lab

## Test Setup

Controlled using a bespoke application (Typing RF command by terminal tool(Putty version 0.62)) on a test Notebook. The application was used to enable a continuous transmission mode and to select the test channels, data rates, modulation schemes and power setting as required.

## Setup Diagram for Test



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## 9. Test Results

### 9.1. Radiated Spurious Emission

#### Requirements

Radiated emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table. Other emissions shall be at least 20dB below the highest level of the desired power:

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
Above 960	500	3

Note:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. For frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



Limits of unwanted emission out of the restricted bands

Applicable To		Limit	
789033 D02 General UNII Test Procedure New Rules v02r01		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
Frequency Band	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	15.407(b)(1)	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	15.407(b)(2)		
5470~5725 MHz	15.407(b)(3)		
5725~5850 MHz	15.407(b)(4)(i)	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/m) *4
*1 beyond 75 MHz or more above of the band edge. *2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above. *3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above. *4 from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.			

Note:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \mu\text{V/m, where P is the eirp (Watts).}$$

## Test Procedures

[For 9 kHz ~ 30 MHz]

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. For measurement below 30MHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

[For above 30 MHz]

- a. The EUT was placed on the top of a rotating table 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.
- f. The test-receiver system was set to peak and average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

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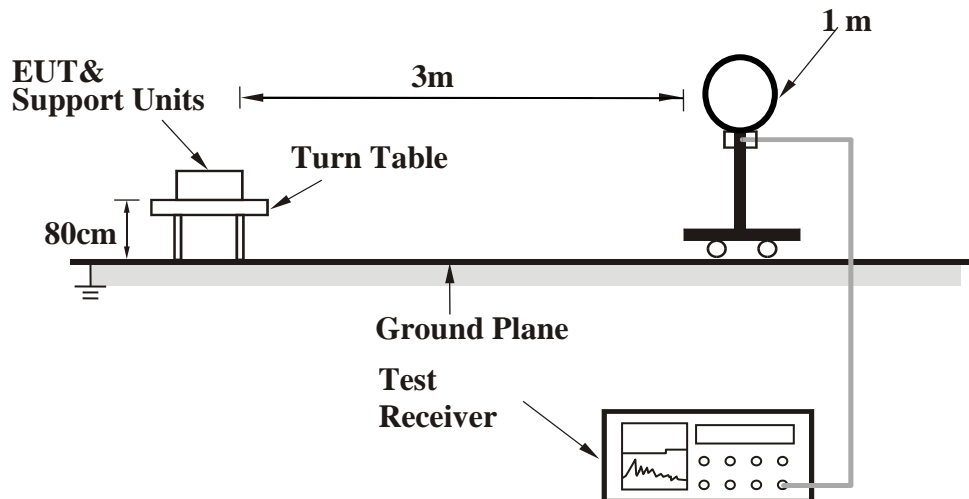
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**Note:**

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz for Peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.
4. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels were low against the limit.
5. Test data of Result value (dBuV/m) = Reading value (dBuV/m) + Correction Factor (dB/m).
6. Test data of Margin(dB) = Result value (dBuV/m) - Limit value (dBuV/m).
7. Test data of Correction Factor (dB/m) = Antenna Factor (dBuV/m) + Cable Loss (dB) - Preamp Factor (dB).
8. Test data of Notation "@" = Fundamental Frequency
9. Test data of Notation "\*" = The peak result under 20 dB above and complies with AVG limit, AVG result is deemed to comply with AVG limit.

**Test Setup**

<Frequency Range 9 kHz ~ 30 MHz>

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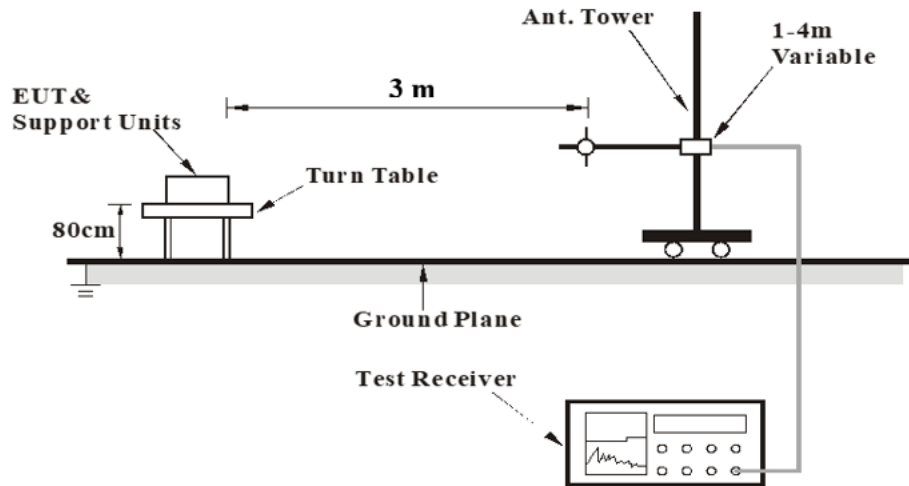
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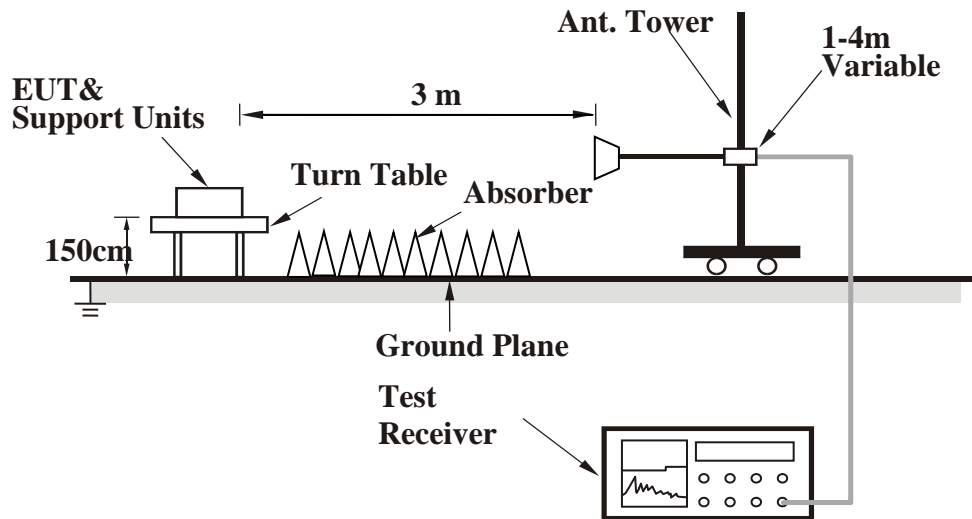
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<Frequency Range 30 MHz ~ 1 GHz >



<Frequency Range above 1 GHz>



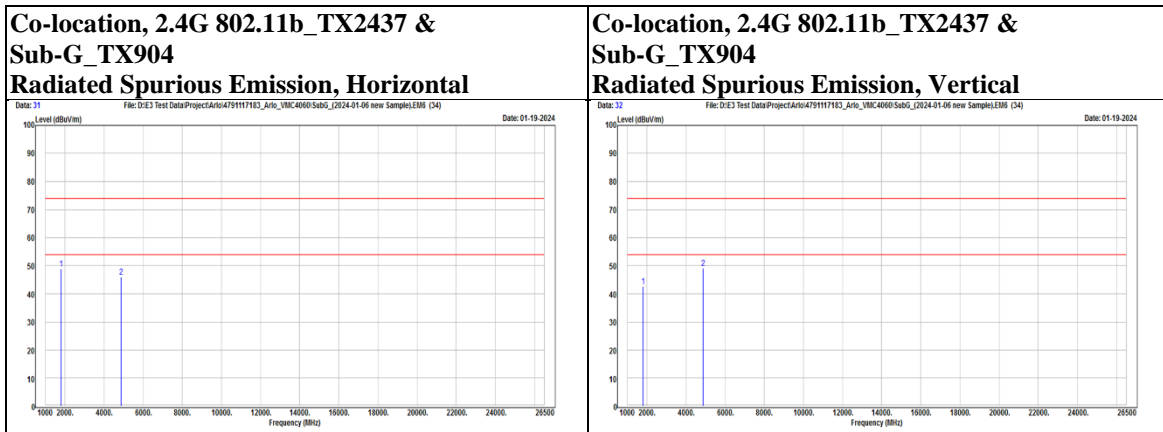
For the actual test configuration, please refer to the Setup Configurations.

## Test Data

### Above 1 GHz

Mode	WLAN 2.4GHz+ Sub-G	Channel	2.4G 802.11b_Ch6 & Sub-G_Ch1
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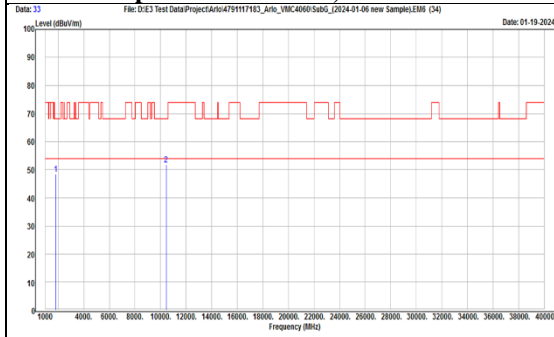
Polarization	Notation @	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		1808	56.7	-7.78	48.92	74	-25.08	PK
		4874	40.24	5.85	46.09	74	-27.91	PK
Vertical		1808	50.32	-7.78	42.54	74	-31.46	PK
		4874	43.2	5.85	49.05	74	-24.95	PK



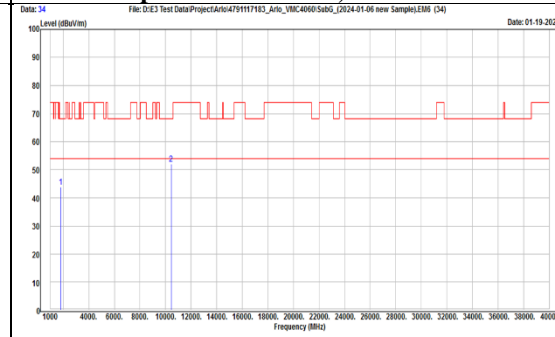
Mode	WLAN 5GHz+ Sub-G	Channel	5G 802.11a_Ch44 & Sub-G_Ch1
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Polarization	Notation @	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		1808	56.26	-7.78	48.48	68.2	-19.72	PK
		10440	30.31	21.46	51.77	68.2	-16.43	PK
Vertical		1808	51.68	-7.78	43.9	68.2	-24.3	PK
		10440	30.5	21.46	51.96	68.2	-16.24	PK

**Co-location, 5G 802.11a\_TX5220 & Sub-G\_TX904**  
**Radiated Spurious Emission, Horizontal**



**Co-location, 5G 802.11a\_TX5220 & Sub-G\_TX904**  
**Radiated Spurious Emission, Vertical**

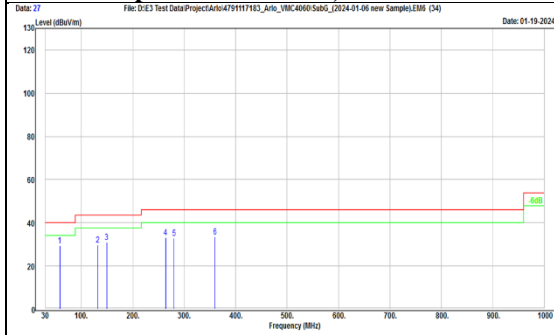


**Below 1 GHz**

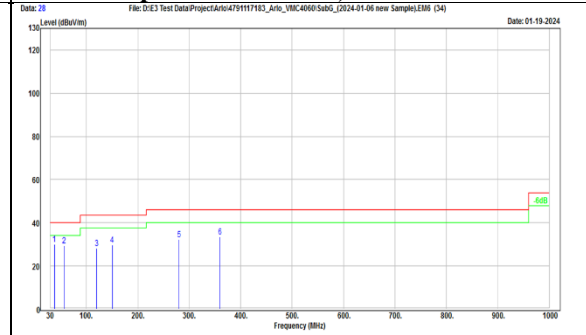
Mode	WLAN 2.4GHz+ Sub-G	Channel	2.4G 802.11b_Ch6 & Sub-G_Ch1
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Polarization	Notation @	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		58.13	31.37	-2.03	29.34	40	-10.66	PK
		131.85	33.43	-3.58	29.85	43.5	-13.65	PK
		149.31	33.01	-1.9	31.11	43.5	-12.39	PK
		263.77	35.1	-1.77	33.33	46	-12.67	PK
		280.26	34.03	-1.1	32.93	46	-13.07	PK
		359.8	32.46	0.92	33.38	46	-12.62	PK
Vertical		37.76	34.25	-4.07	30.18	40	-9.82	PK
		57.16	31.31	-1.71	29.6	40	-10.4	PK
		120.21	32.61	-4.26	28.35	43.5	-15.15	PK
		150.28	31.56	-1.78	29.78	43.5	-13.72	PK
		280.26	33.4	-1.1	32.3	46	-13.7	PK
		359.8	32.64	0.92	33.56	46	-12.44	PK

**Co-location, 2.4G 802.11b\_TX2437 & Sub-G\_TX904**  
**Radiated Spurious Emission, Horizontal**



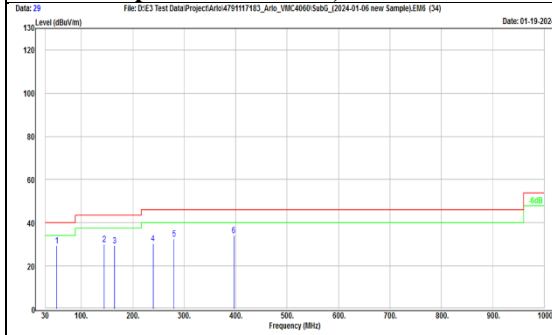
**Co-location, 2.4G 802.11b\_TX2437 & Sub-G\_TX904**  
**Radiated Spurious Emission, Vertical**



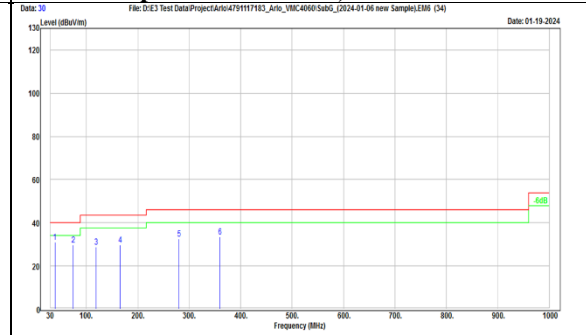
Mode	WLAN 5GHz+ Sub-G	Channel	5G 802.11a_Ch44 & Sub-G_Ch1
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Polarization	Notation @	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
Horizontal		52.31	31.2	-1.83	29.37	40	-10.63	PK
		144.46	32.16	-2.15	30.01	43.5	-13.49	PK
		164.83	31.11	-1.72	29.39	43.5	-14.11	PK
		239.52	33.06	-2.73	30.33	46	-15.67	PK
		280.26	33.82	-1.1	32.72	46	-13.28	PK
		396.66	31.85	2.34	34.19	46	-11.81	PK
Vertical		38.73	35	-3.94	31.06	40	-8.94	PK
		74.62	34.38	-4.76	29.62	40	-10.38	PK
		119.24	33.19	-4.37	28.82	43.5	-14.68	PK
		165.8	31.49	-1.65	29.84	43.5	-13.66	PK
		280.26	33.83	-1.1	32.73	46	-13.27	PK
		359.8	32.66	0.92	33.58	46	-12.42	PK

**Co-location, 5G 802.11a\_TX5220 & Sub-G\_TX904**  
**Radiated Spurious Emission, Horizontal**



**Co-location, 5G 802.11a\_TX5220 & Sub-G\_TX904**  
**Radiated Spurious Emission, Vertical**





**9 kHz ~ 30 MHz Data:**

For 9 kHz to 30 MHz radiated emission have performed all modes of operation were investigated. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

No non-compliance noted:

**KDB 414788 D01 OATS and Chamber Correlation Justification**

- Base on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in the regulations; however, an attempt should be made to avoid making measurements in the near field.
- OATs and chamber correlation testing had been performed and chamber measured test results is the worst case test result.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

## 9.2. AC Power Line Conducted Emission

### Requirements

Frequency (MHz)	Conducted limit (dB $\mu$ V)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30	60	50

Note:

1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

### Test Procedures

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) was not recorded.

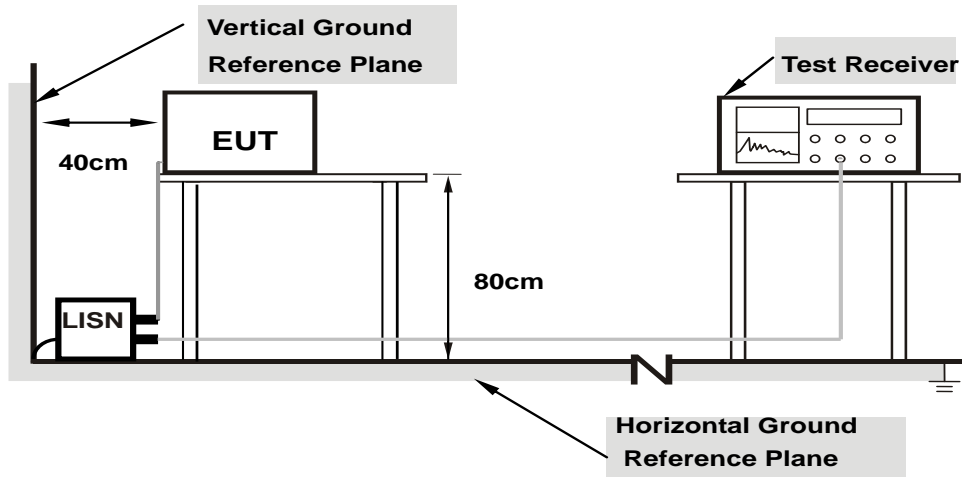
NOTE:

1. The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.
2. All modes of operation were investigated (includes all external accessories) and the worst-case emissions are reported, the other emission levels were low against the limit.
3. Test data of Result value (dBuV) = Reading value (dBuV) + Correction Factor (dB).
4. Test data of Margin(dB) = Result value (dBuV) - Limit value (dBuV).
5. Test data of Correction Factor (dB) = Insertion loss(dB) + Cable loss(dB).

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## Test Setup

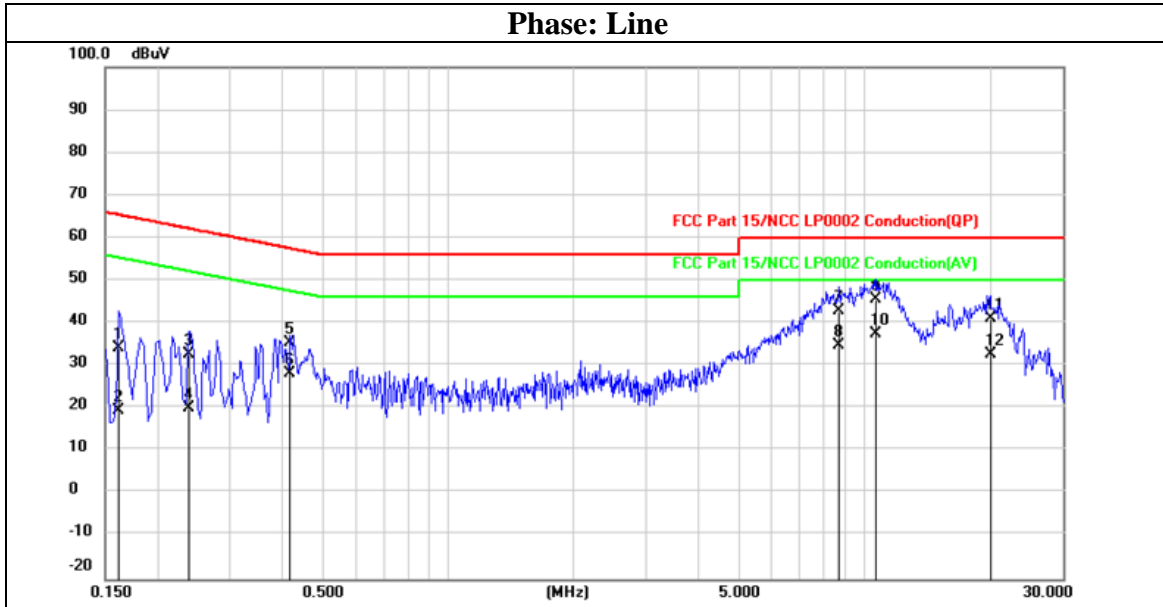


**Note: 1.Support units were connected to second LISN.**

For the actual test configuration, please refer to the Setup Configurations.

### Test Data

Mode	WLAN 2.4GHz+ Sub-G	Channel	2.4G 802.11g_Ch6 + Sub-G_Ch6
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No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1620	24.30	9.95	34.25	65.36	-31.11	QP
2	0.1620	9.59	9.95	19.54	55.36	-35.82	AVG
3	0.2380	22.56	9.95	32.51	62.17	-29.66	QP
4	0.2380	10.09	9.95	20.04	52.17	-32.13	AVG
5	0.4180	25.52	9.95	35.47	57.49	-22.02	QP
6	0.4180	18.29	9.95	28.24	47.49	-19.25	AVG
7	8.6899	32.62	10.22	42.84	60.00	-17.16	QP
8	8.6899	24.58	10.22	34.80	50.00	-15.20	AVG
9	10.7100	35.16	10.28	45.44	60.00	-14.56	QP
10	10.7100	27.08	10.28	37.36	50.00	-12.64	AVG
11	20.0780	30.45	10.52	40.97	60.00	-19.03	QP
12	20.0780	22.16	10.52	32.68	50.00	-17.32	AVG

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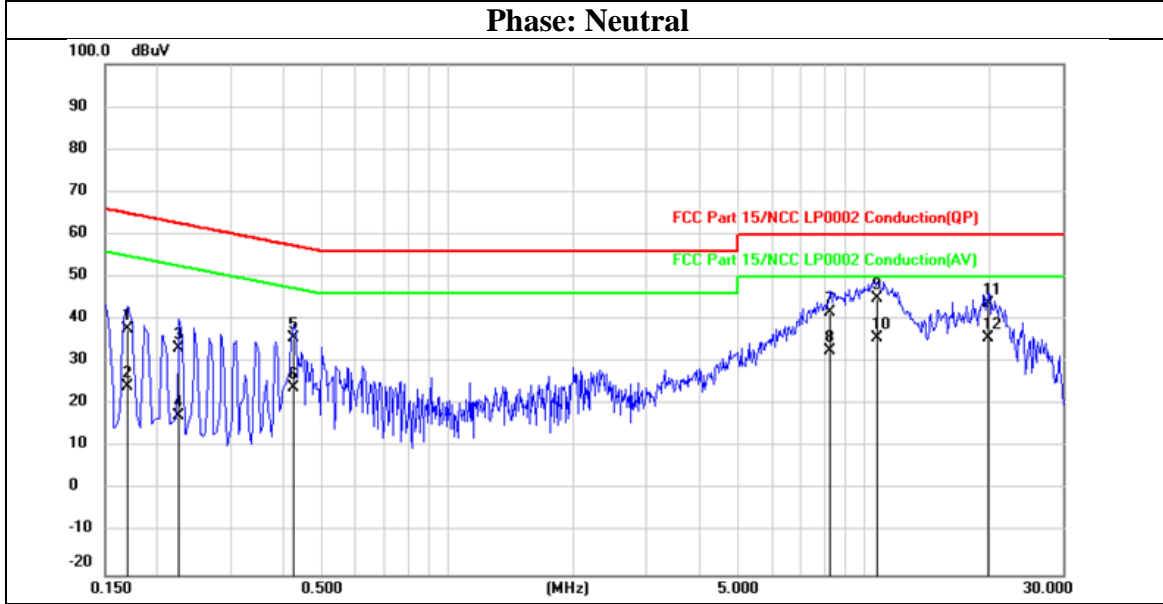
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Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 6.1

Mode	WLAN 2.4GHz+ Sub-G	Channel	2.4G 802.11g_Ch6 + Sub-G_Ch6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1700	27.92	9.95	37.87	64.96	-27.09	QP
2	0.1700	14.23	9.95	24.18	54.96	-30.78	AVG
3	0.2260	23.41	9.94	33.35	62.60	-29.25	QP
4	0.2260	7.32	9.94	17.26	52.60	-35.34	AVG
5	0.4260	25.77	9.95	35.72	57.33	-21.61	QP
6	0.4260	14.02	9.95	23.97	47.33	-23.36	AVG
7	8.3139	31.55	10.21	41.76	60.00	-18.24	QP
8	8.3139	22.37	10.21	32.58	50.00	-17.42	AVG
9	10.7739	34.72	10.28	45.00	60.00	-15.00	QP
10	10.7739	25.47	10.28	35.75	50.00	-14.25	AVG
11	19.9220	33.28	10.55	43.83	60.00	-16.17	QP
12	19.9220	25.16	10.55	35.71	50.00	-14.29	AVG

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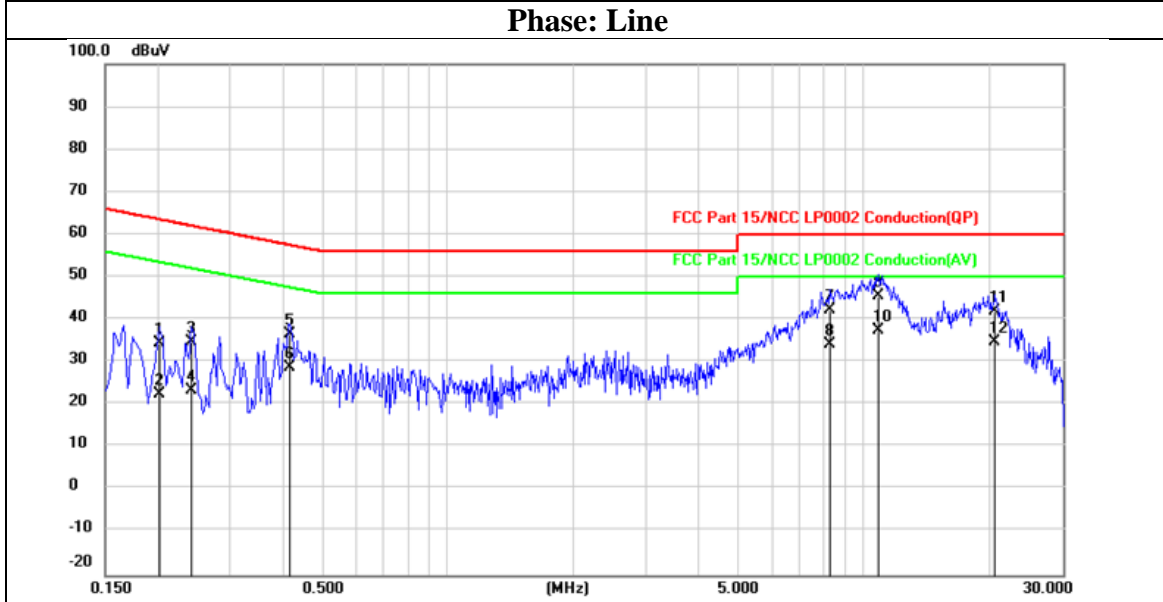
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Doc No: Form-ULID-004737 (DCS:17-EM-F0876) / 6.1

Mode	WLAN 5GHz+ Sub-G	Channel	5G 802.11a_Ch149 & Sub-G_Ch6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2020	24.38	9.95	34.33	63.53	-29.20	QP
2	0.2020	12.46	9.95	22.41	53.53	-31.12	AVG
3	0.2420	24.92	9.95	34.87	62.03	-27.16	QP
4	0.2420	13.38	9.95	23.33	52.03	-28.70	AVG
5	0.4180	26.67	9.95	36.62	57.49	-20.87	QP
6	0.4180	18.90	9.95	28.85	47.49	-18.64	AVG
7	8.2540	31.95	10.21	42.16	60.00	-17.84	QP
8	8.2540	24.08	10.21	34.29	50.00	-15.71	AVG
9	10.8460	35.13	10.28	45.41	60.00	-14.59	QP
10	10.8460	27.08	10.28	37.36	50.00	-12.64	AVG
11	20.6820	31.31	10.54	41.85	60.00	-18.15	QP
12	20.6820	24.28	10.54	34.82	50.00	-15.18	AVG

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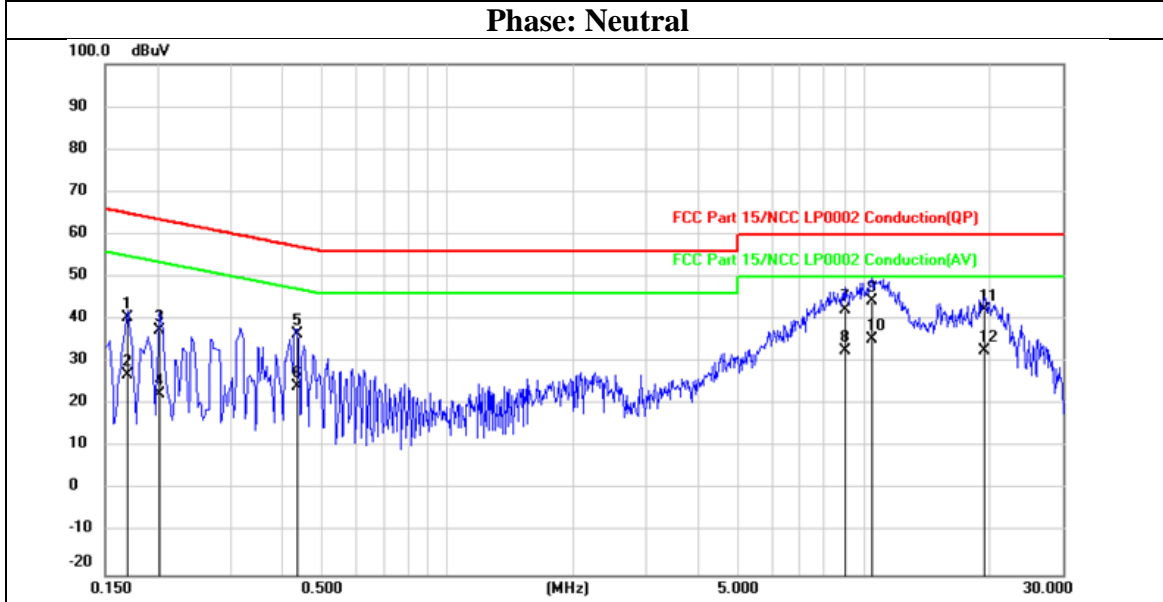
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Mode	WLAN 5GHz+ Sub-G	Channel	5G 802.11a_Ch149 & Sub-G_Ch6
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No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1700	30.42	9.95	40.37	64.96	-24.59	QP
2	0.1700	17.05	9.95	27.00	54.96	-27.96	AVG
3	0.2020	27.41	9.94	37.35	63.53	-26.18	QP
4	0.2020	12.45	9.94	22.39	53.53	-31.14	AVG
5	0.4340	26.48	9.95	36.43	57.18	-20.75	QP
6	0.4340	14.24	9.95	24.19	47.18	-22.99	AVG
7	9.0100	31.88	10.23	42.11	60.00	-17.89	QP
8	9.0100	22.55	10.23	32.78	50.00	-17.22	AVG
9	10.4540	34.21	10.27	44.48	60.00	-15.52	QP
10	10.4540	24.98	10.27	35.25	50.00	-14.75	AVG
11	19.4820	31.69	10.54	42.23	60.00	-17.77	QP
12	19.4820	21.97	10.54	32.51	50.00	-17.49	AVG

## END OF REPORT

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