



**Griffin VMC4060  
Antenna Report**

**Report No.:**  
**Date: January 22, 2024**

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# 1 Measurement System Information

## 1.1 General Information

Measurements are performed in a Satimo SG64 with the Agilent Technologies N5230A as source/receiver. The SG64 has 23 probe antennas mounted with equal spacing on a circular arch. Electronic switching of the probe antennas provides outstanding measurement speed. The geometry of the setup, with only a Styrofoam column within 1.5 meters of the EUT, ensures minimum interference and low ripple on the measured radiation patterns.



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## 1.2 List of Equipment

Equipment	Model	Current Calibration Date	Next Calibration Date
OTA Measurement Software	Satimo – SATENV Satimo – SPM 1.9	Not Required	Not Required
SG64 Probe Array	Satimo – SG64 Standard	July 2023	Dec 2024
SG64 TX and RX Amplification Unit	Satimo – SG64	July 2023	Dec 2024
SG64 Power and Control Unit	Satimo – SG64	July 2023	Dec 2024
Network Analyzer	Agilent Technologies N5230A	Reference	Reference
Dual Ridge Horn Antenna & Sleeve Dipole	Satimo – SH800 – SD740	Not Required	Not Required
Anechoic Chamber	Reymond EMC	Not Required	Not Required

## 1.3 Gain Calibration (Substitution)

Passive Gain calibration is performed in order to determine the system losses and gains so that they may be normalized out of the EUT measurement data. A calibrated horn antenna [Satimo SH800] and dipole [Satimo SD740] is used as the EUT, and a network analyzer is used as the source, and receiver.

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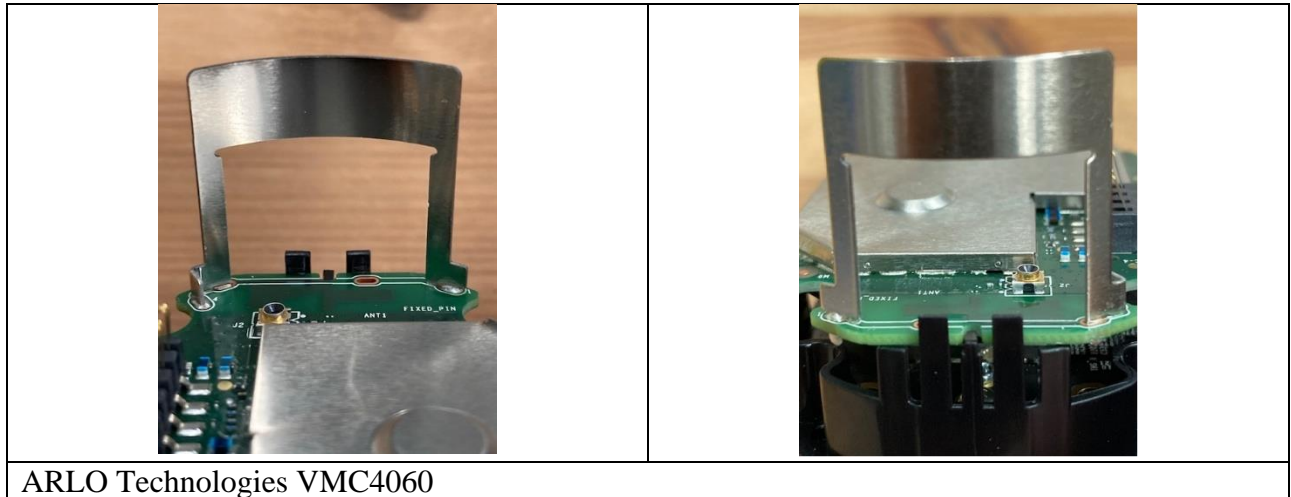
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## 2 Summation Test Report

### 2.1 EUT Information

Device Manufacturer:	ARLO Technologies
Device Model:	VMC4060
Device Description:	WIFI Camera
Device S/N:	AGNU3C7UD0053
Device Bands:	WiFi 2.4 and 5.0 GHz , SubGHz
Device Hardware Revision:	DV3.3 H3
Antenna Description:	Internal, Metal
Antenna Manufacturer	WHAYU Industrial Co. LTD
Antenna Mfg. Address	No. 326, Sec. 2, Gongdao 5 <sup>th</sup> Rd., East Dist., Hsinchu City 3000042, Taiwan
Configuration of Primary Mechanical Mode	Device is configured in the preferred mode per manufacturer instructions
Comments:	1. Single antenna for SubGHz and WiFi operation. 2. DUT centered in the test plane.

### 2.2 Internal Antenna Pictures



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### 3 Antenna Gain Results

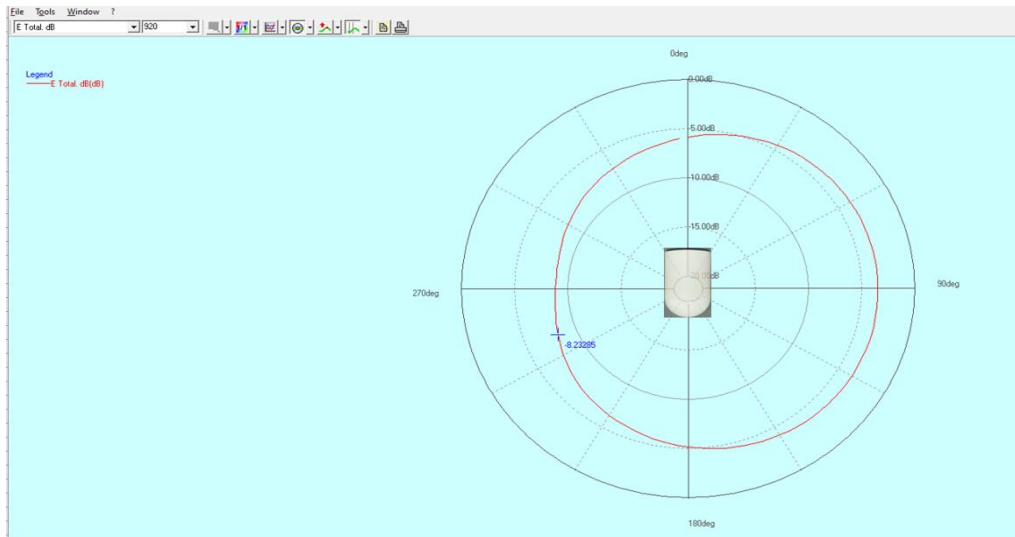
Note:

- Free Space – Antenna Fixed Internal

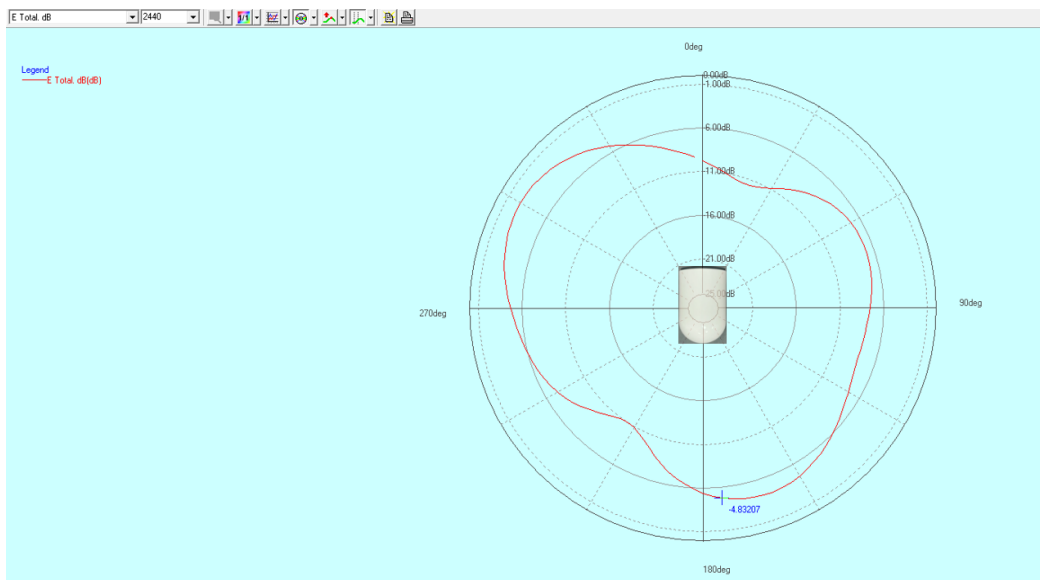
#### 3.1 Antenna Peak Gain Table [dBi]

Frequency [MHz]	Sub-GHz AU/US 902-928 MHz	2.4 GHz WIFI	5.0 GHz WIFI
Gain [dBi]	-2.4	2.0	3.4

#### 3.2 SubGHz THETA 90°

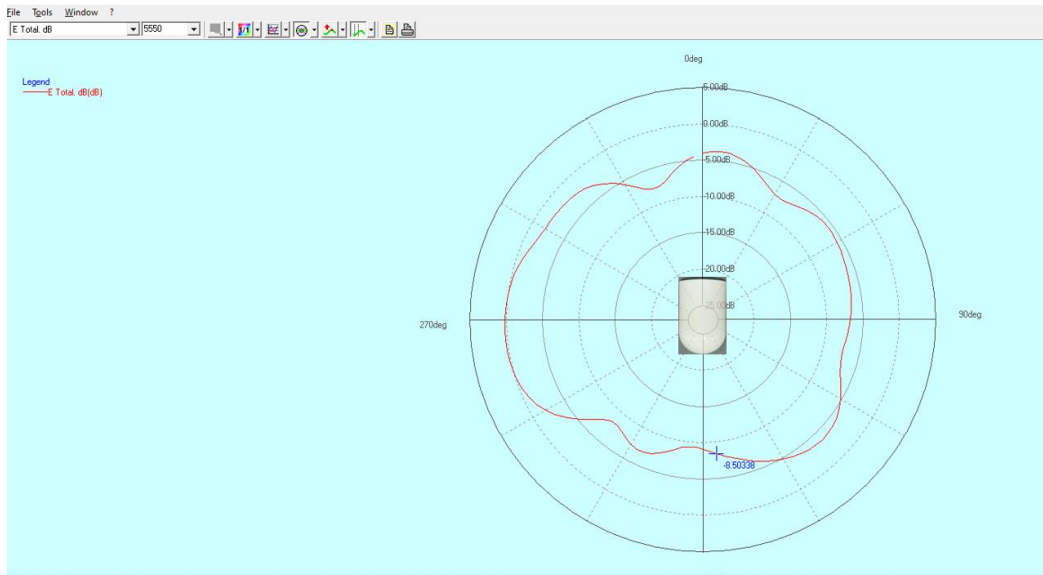


#### 3.3 WiFi 2.4 GHz THETA 90°



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### 3.4 WiFi 5.0 GHz THETA 90°



## 4 Report Modifications

Record of Modification		
Issue	Date	Modifications/Pages changed
1.0	1/22/2024	Arlo initial release

**End of Report**

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