



element

Dot Ai Corp.

ZiM Asset Bridge

**Monopole Antenna for 2.4 GHz radio &
Inverted-F Antenna for sub-GHz radio Measurement Report**

Report: DTAI0007.0 Rev. 0, Issue Date: September 2, 2025



Approved by:

Trevor Buls, Principal EMC Test Engineer
Signed for and on behalf of Element

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REVISION HISTORY



Revision Number	Description	Date (yyyy-mm-dd)	Page Number
00	None		

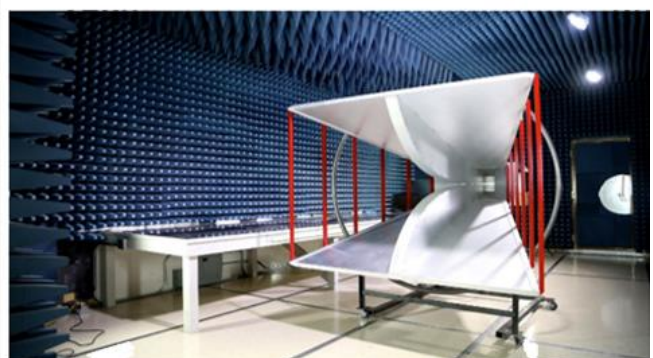
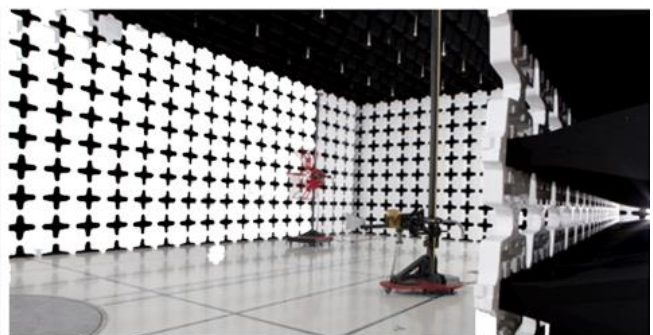
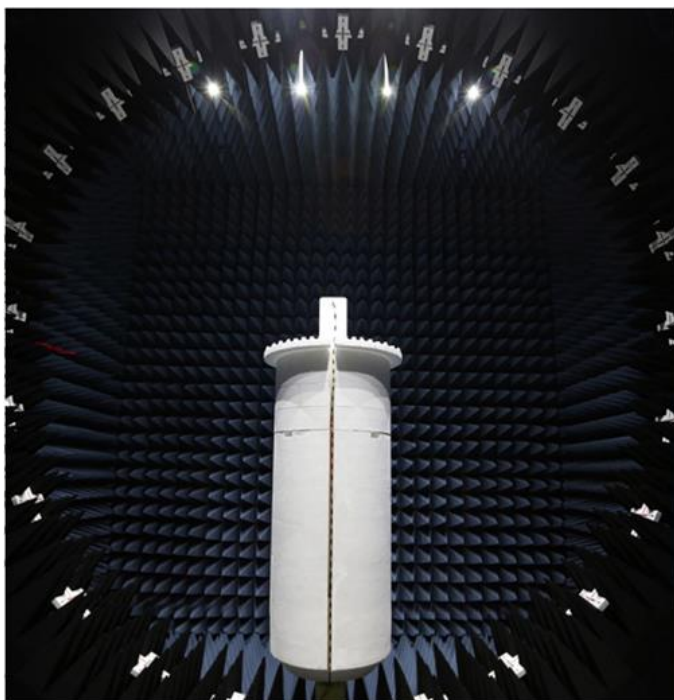
FACILITIES

Testing was performed at the following location(s)

	Location	Labs ⁽¹⁾	Address	A2LA ⁽²⁾	ISED ⁽³⁾	BSMI ⁽⁴⁾	VCCI ⁽⁵⁾	CAB ⁽⁶⁾	FDA ⁽⁷⁾
☐	California	OC01-17	41 Tesla Irvine, CA 92618 (949) 861-8918	3310.04	2834B	SL2-IN-E-1154R	A-0029	US0158	TL-55
☐	Minnesota	MN01-11	9349 W Broadway Ave. Brooklyn Park, MN 55445 (612) 638-5136	3310.05	2834E	SL2-IN-E-1152R	A-0109	US0175	TL-57
☒	Oregon	EV01-12	6775 NE Evergreen Pkwy #400 Hillsboro, OR 97124 (503) 844-4066	3310.02	2834D	SL2-IN-E-1017	A-0108	US0017	TL-56
☐	Washington	NC01-05	19201 120th Ave NE Bothell, WA 98011 (425) 984-6600	3310.06	2834F	SL2-IN-E-1153R	A-0110	US0157	TL-67
☐	Offsite	N/A	See Product Description	N/A	N/A	N/A	N/A	N/A	N/A

See data sheets for specific labs

- (1) The lab designations denote individual rooms within each location. (OC01, OC02, OC03, etc.)
- (2) A2LA Certificate No.
- (3) ISED Company No.
- (4) BSMI No.
- (5) VCCI Site Filing No.
- (6) CAB Identifier. Recognized Phase I CAB for ISED, ACMA, BSMI, IDA, KCC/RRA, MOC, NCC, OFCA
- (7) FDA ASCA No.



PRODUCT DESCRIPTION



Client and Equipment under Test (EUT) Information

Company Name:	Dot Ai Corp.
Address:	2 Shaker Road
City, State, Zip:	Shirley, MA 01464
Test Requested By:	Vijayan Nambiar
EUT:	Zim Asset Bridge
First Date of Test:	August 26, 2025
Last Date of Test:	August 26, 2025
Receipt Date of Samples:	August 26, 2025
Equipment Design Stage:	Production
Equipment Condition:	No Damage
Purchase Authorization:	Verified

Information Provided by the Party Requesting the Test

Functional Description of the EUT:
Access Bridge
Testing Objective:
To obtain 2D antenna pattern measurements and calculated antenna performance values (Peak gain, 3dB Beamwidth, etc)

CONFIGURATIONS



Configuration DTAI0007-1

Software/Firmware Running During Test	
Description	Version
Firmware	1.2.6+0

EUT			
Description	Manufacturer	Model/Part Number	Serial Number
Access Bridge	SEE ID Inc. dba Dot Ai Corp.	DAIC-ACB-XN-L	25020-DC9F98DBAE33

MODIFICATIONS



Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	2025-08-26	Absolute Gain	Tested as delivered to test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

MEASUREMENT SUMMARY

Serial Number	Frequency	Gain	Measurement Antenna Polarity	Antenna Under Test Polarity
25020-DC9F98DBAE33	902	-4.03	Vertical	Horizontal
25020-DC9F98DBAE33	902	-1.73	Horizontal	Vertical
25020-DC9F98DBAE33	902	-1.53	Horizontal	on Side
25020-DC9F98DBAE33	902	-1.13	Vertical	Vertical
25020-DC9F98DBAE33	902	-0.13	Vertical	on Side
25020-DC9F98DBAE33	902	3.67	Horizontal	Horizontal
25020-DC9F98DBAE33	915	-5.17	Vertical	Horizontal
25020-DC9F98DBAE33	915	-4.07	Vertical	Vertical
25020-DC9F98DBAE33	915	-2.77	Horizontal	Vertical
25020-DC9F98DBAE33	915	-0.17	Horizontal	on Side
25020-DC9F98DBAE33	915	0.03	Vertical	on Side
25020-DC9F98DBAE33	915	3.33	Horizontal	Horizontal
25020-DC9F98DBAE33	928	-5.83	Vertical	Horizontal
25020-DC9F98DBAE33	928	-5.63	Vertical	Vertical
25020-DC9F98DBAE33	928	-2.53	Horizontal	Vertical
25020-DC9F98DBAE33	928	-0.43	Vertical	on Side
25020-DC9F98DBAE33	928	-0.33	Horizontal	on Side
25020-DC9F98DBAE33	928	2.37	Horizontal	Horizontal
25020-DC9F98DBAE33	2402	-7.15	Vertical	Horizontal
25020-DC9F98DBAE33	2402	-2.65	Vertical	Vertical
25020-DC9F98DBAE33	2402	-2.55	Horizontal	Vertical
25020-DC9F98DBAE33	2402	-0.65	Horizontal	on Side
25020-DC9F98DBAE33	2402	1.65	Horizontal	Horizontal
25020-DC9F98DBAE33	2402	2.25	Vertical	on Side
25020-DC9F98DBAE33	2442	-6.69	Vertical	Horizontal
25020-DC9F98DBAE33	2442	-3.89	Horizontal	Vertical
25020-DC9F98DBAE33	2442	-0.89	Horizontal	on Side
25020-DC9F98DBAE33	2442	-0.69	Vertical	Vertical
25020-DC9F98DBAE33	2442	1.51	Vertical	on Side
25020-DC9F98DBAE33	2442	2.41	Horizontal	Horizontal
25020-DC9F98DBAE33	2480	-7.43	Vertical	Horizontal
25020-DC9F98DBAE33	2480	-3.83	Horizontal	Vertical
25020-DC9F98DBAE33	2480	-2.53	Vertical	Vertical
25020-DC9F98DBAE33	2480	-1.23	Horizontal	on Side
25020-DC9F98DBAE33	2480	1.67	Vertical	on Side
25020-DC9F98DBAE33	2480	2.07	Horizontal	Horizontal

ABSOLUTE GAIN



PSA-ESCI 2024.11.22.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels.

MODES OF OPERATION

CW

CONFIGURATIONS INVESTIGATED

DTAI0007 - 1

FREQUENCY RANGE INVESTIGATED

Start Frequency	902 MHz	Stop Frequency	2480 MHz
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TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Cal. Due
Antenna - Double Ridge	EMCO	3115	AHC	2024-07-18	2026-07-18
Antenna - Dipole	EMCO	3121C-DB4	ADTD	2023-05-31	2026-05-31
Attenuator	S.M. Electronics	18N-06	AWN	2024-11-14	2025-11-14
Cable	N/A	Double Ridge Horn Cables	EVb	2025-05-02	2026-05-02
Cable	N/A	Bilog Cables	EVA	2024-10-29	2025-10-29
Antenna - Double Ridge	ETS Lindgren	3115	AIZ	2024-03-08	2026-03-08
Antenna - Biconilog	Teseq	CBL 6141B	AXR	2025-04-15	2027-04-15
Power Sensor	Agilent	E9300H	SQO	2024-10-18	2025-10-18
Meter - Power	Agilent	N1913A	SQR	2024-10-18	2025-10-18
Generator - Signal	Keysight	N5182B	TFU	2025-03-21	2027-03-21
Analyzer - Spectrum Analyzer	Keysight	N9010A	AFO	2024-11-25	2025-11-25

TEST DESCRIPTION

The AUT internally generated its carrier wave (CW) signal source. Prior to testig, power measurements for the internally generated CW signal were collected. The same power level was then provided to the calibrated reference antenna that is used for the gain calculation.

Measurements were performed in a semi-anechoic chamber at a 3 m distance. To simulate free space, the ground plane was covered with RF absorbing cones. The reference antenna and EUT were placed on a block of approximately 1.8 m low permittivity foam.

A signal generator was connected to the reference antenna with a low loss RF cable. To minimize the influence of the RF cable in the radiating pattern, the cable was lined with snap on ferrites at a separating distance of 10 cm.

The reference antenna was removed and the AUT was put in its place. A polar plot was then collected at the antenna height of maximum field strength. This plot was then compared to the reference antenna scan. Using the antenna gain (dBi) of the reference antenna the absolute gain of the AUT was calculated.

Max Absolute Gain of AUT (dBi) = Gref - (Eref - Eaut) + Lc

Where:

Gref = Gain of reference antenna (dBi)

Eref = Electric field strength in dBμV/m of the reference antenna

Eaut = Electric field strength in dBμV/m of the AUT

Lc = AUT setup loss (dB)

ABSOLUTE GAIN



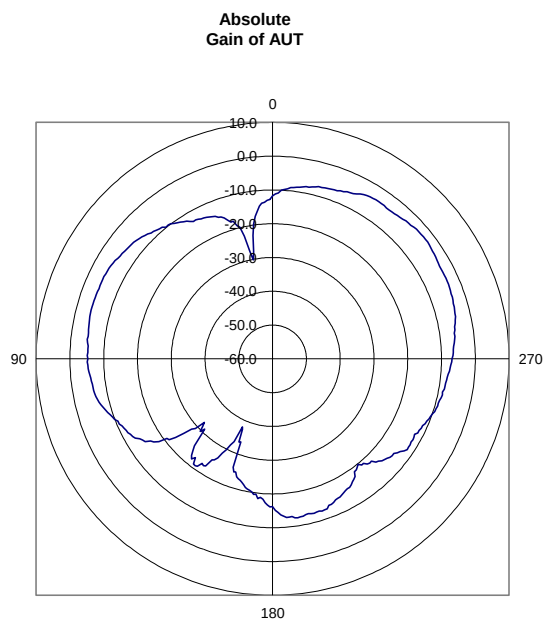
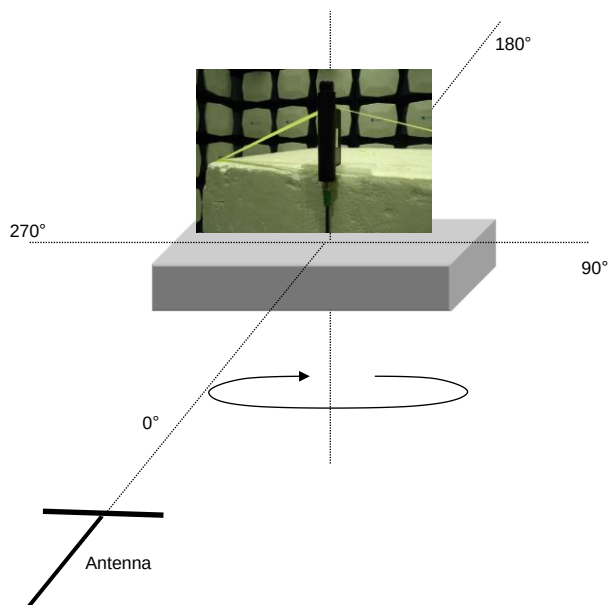
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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2402**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **Vertical**
 Maximum Absolute Gain of AUT (dBi) **-2.55**
 Average Absolute Gain of AUT (dBi) **-11.63**
 3 dB Beamwidth **56°**

Absolute Gain of Reference Antenna (dBi) 9.45
 Reference Antenna Relative Gain Max (dBuV/m) 104.08
 AUT Relative Gain Max (dBuV/m) 92.08
 Difference (Reference Antenna - AUT) (dB) 12.00
 AUT Setup Loss (dB) 0
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.63**
 Reference Antenna Measured Input Power (dBm) -1.40
 EUT Conducted Output Power (dBm) -1.40
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



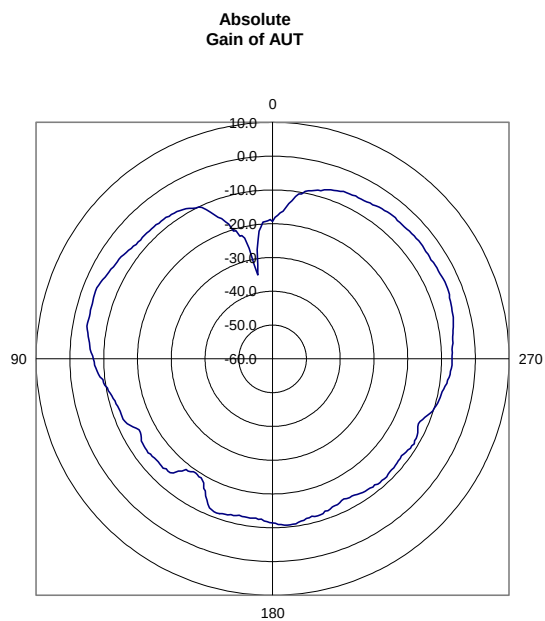
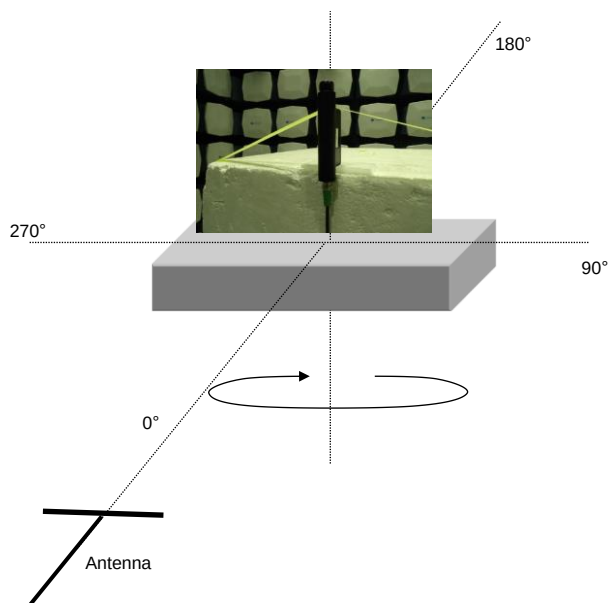
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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	Zim Asset Bridge - DAIC-MCB-XN, DAIC-TNB-GN, DAIC-ACB-XN-M			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corp.			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2442**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **Vertical**
 Maximum Absolute Gain of AUT (dBi) **-3.89**
 Average Absolute Gain of AUT (dBi) **-10.34**
 3 dB Beamwidth **38°**

Absolute Gain of Reference Antenna (dBi) 9.61
 Reference Antenna Relative Gain Max (dBuV/m) 104.40
 AUT Relative Gain Max (dBuV/m) 90.90
 Difference (Reference Antenna - AUT) (dB) 13.50
 AUT Setup Loss (dB) 0
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.79**
 Reference Antenna Measured Input Power (dBm) -1.50
 EUT Conducted Output Power (dBm) -1.50
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



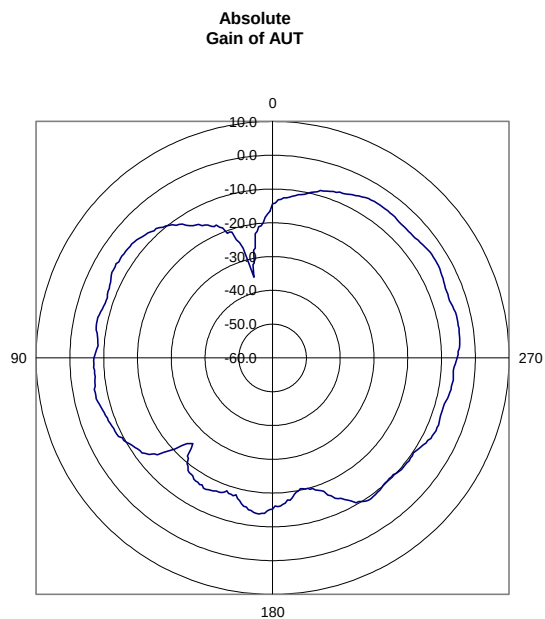
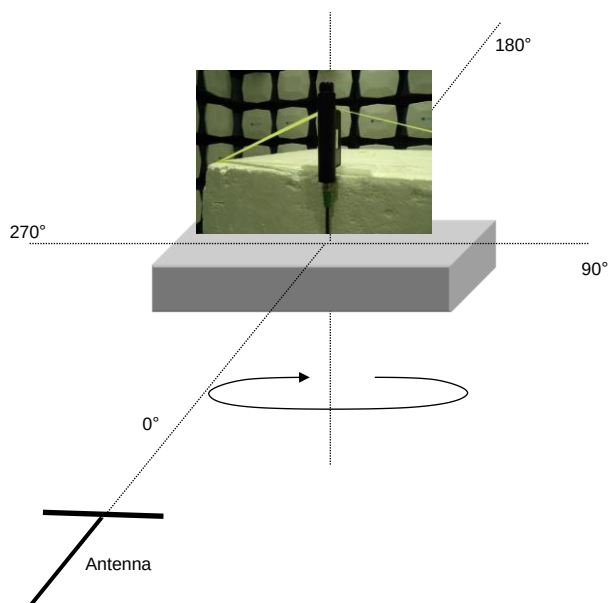
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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	Zim Asset Bridge - DAIC-MCB-XN, DAIC-TNB-GN, DAIC-ACB-XN-M			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corp.			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2480**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **Vertical**
 Maximum Absolute Gain of AUT (dBi) **-3.83**
 Average Absolute Gain of AUT (dBi) **-10.88**
 3 dB Beamwidth **79°**

Absolute Gain of Reference Antenna (dBi) 9.87
 Reference Antenna Relative Gain Max (dBuV/m) 104.18
 AUT Relative Gain Max (dBuV/m) 90.48
 Difference (Reference Antenna - AUT) (dB) 13.70
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.31**
 Reference Antenna Measured Input Power (dBm) -1.30
 EUT Conducted Output Power (dBm) -1.30
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN

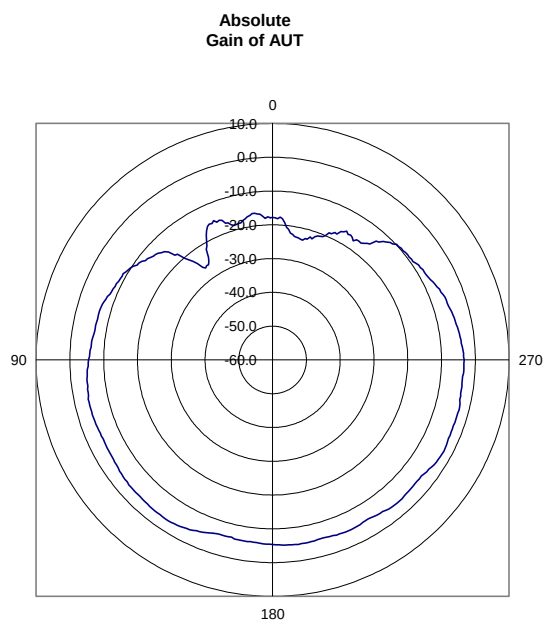
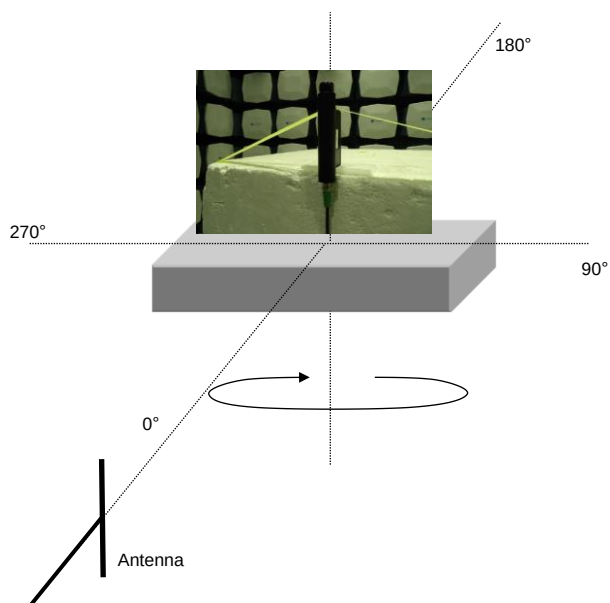


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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	2480	Absolute Gain of Reference Antenna (dBi)	9.87
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	104.18
Antenna Under Test (AUT) Polarity	Vertical	AUT Relative Gain Max (dBuV/m)	91.78
Maximum Absolute Gain of AUT (dBi)	-2.53	Difference (Reference Antenna - AUT) (dB)	12.40
Average Absolute Gain of AUT (dBi)	-8.74	AUT Setup Loss (dB)	0
3 dB Beamwidth	110°	Correction Factor (Convert Relative to Absolute Gain) (dB)	94.31
		Reference Antenna Measured Input Power (dBm)	-1.30
		EUT Conducted Output Power (dBm)	-1.30
		Power Delta (Antenna Power-Output Power) (dB)	0.00



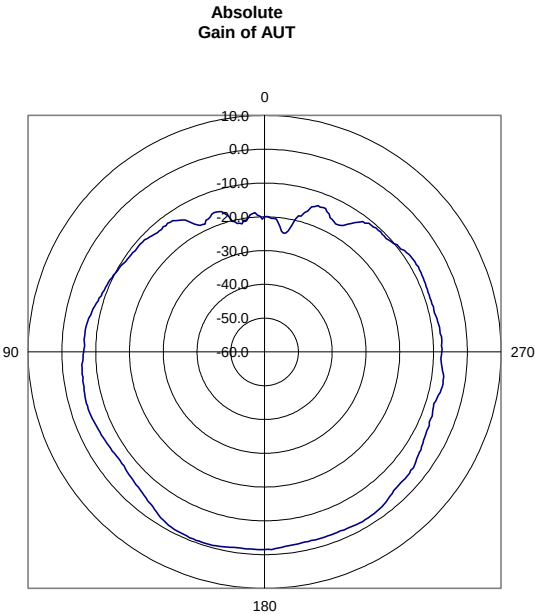
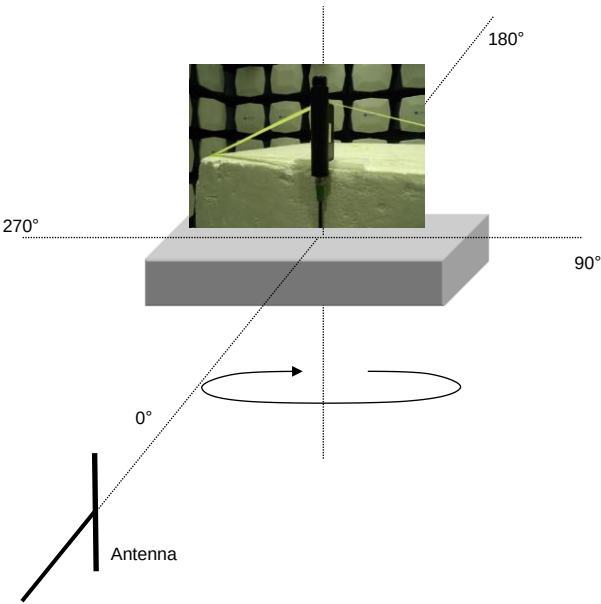
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Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	2442	Absolute Gain of Reference Antenna (dBi)	9.61
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	104.40
Antenna Under Test (AUT) Polarity	Vertical	AUT Relative Gain Max (dBuV/m)	94.10
Maximum Absolute Gain of AUT (dBi)	-0.69	Difference (Reference Antenna - AUT) (dB)	10.30
Average Absolute Gain of AUT (dBi)	-8.38	AUT Setup Loss (dB)	0
3 dB Beamwidth	80°	Correction Factor (Convert Relative to Absolute Gain) (dB)	94.79
		Reference Antenna Measured Input Power (dBm)	-1.50
		EUT Conducted Output Power (dBm)	-1.50
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN

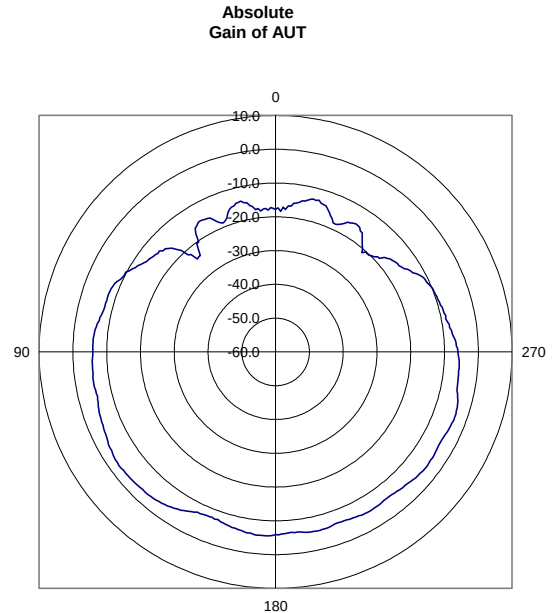
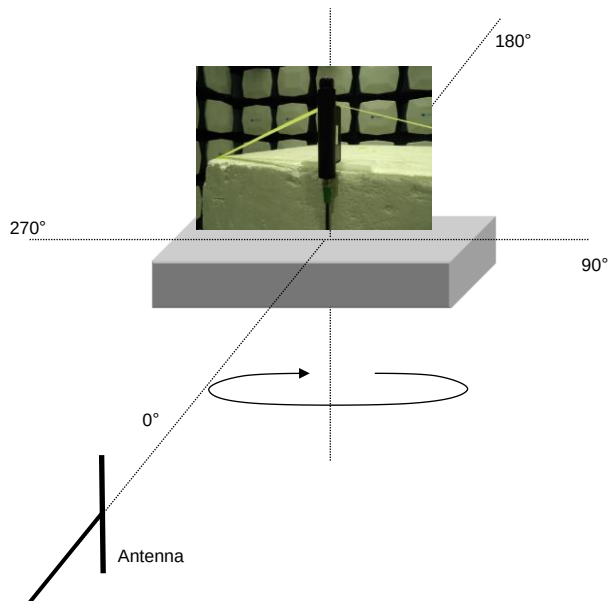


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Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	2402	Absolute Gain of Reference Antenna (dBi)	9.45
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	104.08
Antenna Under Test (AUT) Polarity	Vertical	AUT Relative Gain Max (dBuV/m)	91.98
Maximum Absolute Gain of AUT (dBi)	-2.65	Difference (Reference Antenna - AUT) (dB)	12.10
Average Absolute Gain of AUT (dBi)	-9.41	AUT Setup Loss (dB)	0
3 dB Beamwidth	46°	Correction Factor (Convert Relative to Absolute Gain) (dB)	94.63
		Reference Antenna Measured Input Power (dBm)	-1.40
		EUT Conducted Output Power (dBm)	-1.40
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



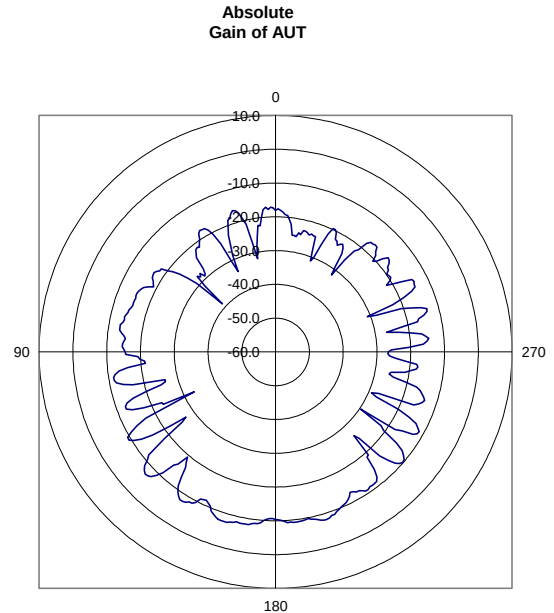
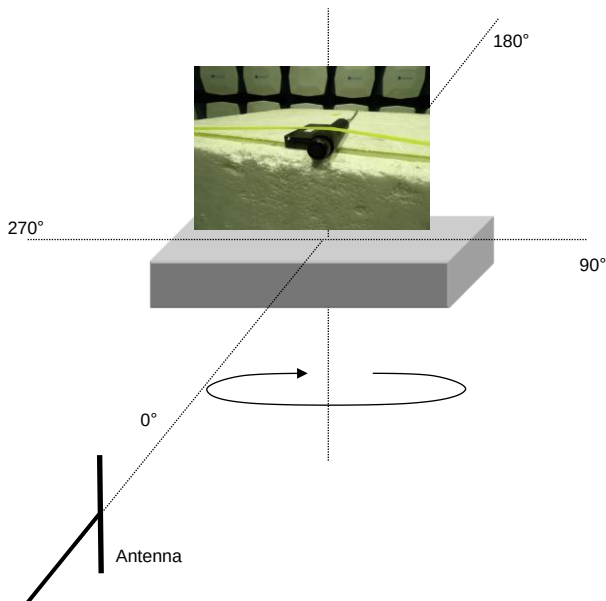
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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2402**
 Measurement Antenna Polarity **Vertical**
 Antenna Under Test (AUT) Polarity **Horizontal**
 Maximum Absolute Gain of AUT (dBi) **-7.15**
 Average Absolute Gain of AUT (dBi) **-17.12**
 3 dB Beamwidth **7°**

Absolute Gain of Reference Antenna (dBi) 9.45
 Reference Antenna Relative Gain Max (dBuV/m) 104.08
 AUT Relative Gain Max (dBuV/m) 87.48
 Difference (Reference Antenna - AUT) (dB) 16.60
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.63**
 Reference Antenna Measured Input Power (dBm) -1.40
 EUT Conducted Output Power (dBm) -1.40
 Power Delta (Antenna Power-Output Power) (dB) 0.00



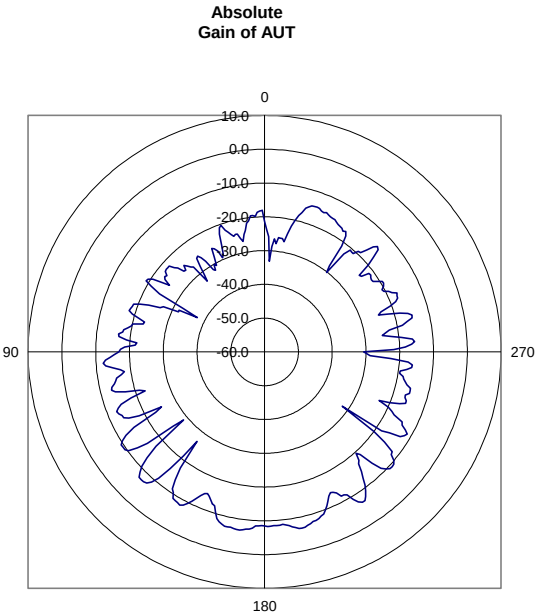
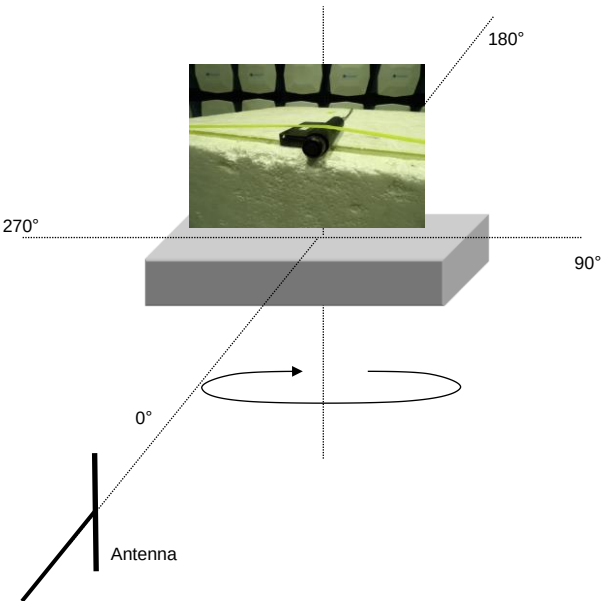
ABSOLUTE GAIN



EmiR5 2025 04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	2442	Absolute Gain of Reference Antenna (dBi)	9.61
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	104.40
Antenna Under Test (AUT) Polarity	Horizontal	AUT Relative Gain Max (dBuV/m)	88.10
Maximum Absolute Gain of AUT (dBi)	-6.69	Difference (Reference Antenna - AUT) (dB)	16.30
Average Absolute Gain of AUT (dBi)	-17.46	AUT Setup Loss (dB)	0
3 dB Beamwidth	38°	Correction Factor (Convert Relative to Absolute Gain) (dB)	94.79
		Reference Antenna Measured Input Power (dBm)	-1.50
		EUT Conducted Output Power (dBm)	-1.50
		Power Delta (Antenna Power-Output Power) (dB)	0.00



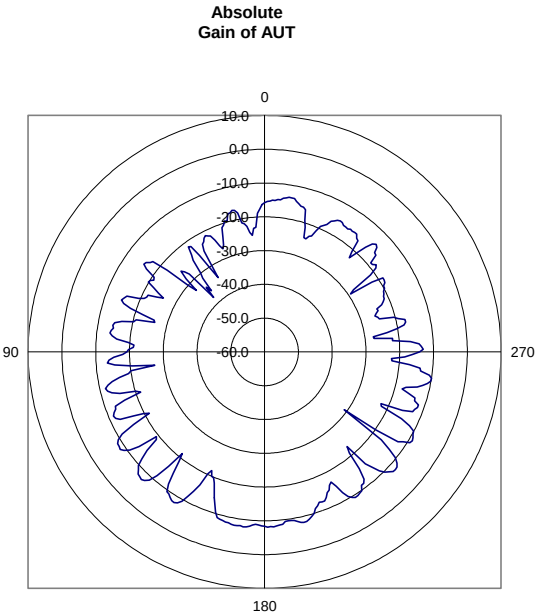
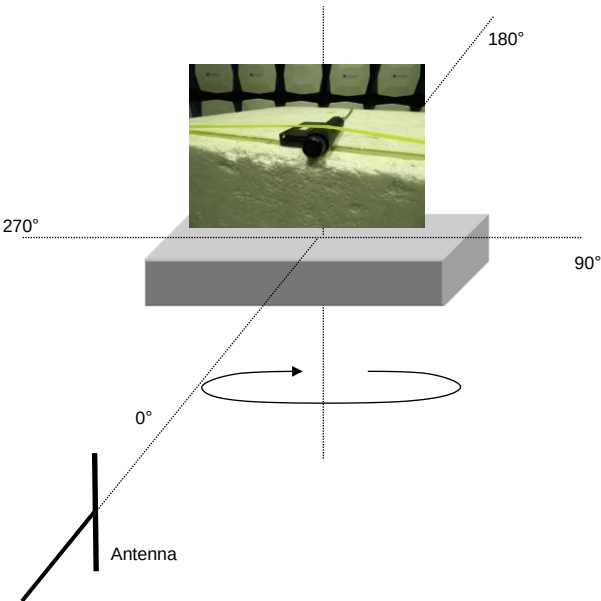
ABSOLUTE GAIN



EmiR5 2025.04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	2480	Absolute Gain of Reference Antenna (dBi)	9.87
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	104.18
Antenna Under Test (AUT) Polarity	Horizontal	AUT Relative Gain Max (dBuV/m)	86.88
Maximum Absolute Gain of AUT (dBi)	-7.43	Difference (Reference Antenna - AUT) (dB)	17.30
Average Absolute Gain of AUT (dBi)	-16.54	AUT Setup Loss (dB)	0
3 dB Beamwidth	8°	Correction Factor (Convert Relative to Absolute Gain) (dB)	94.31
		Reference Antenna Measured Input Power (dBm)	-1.30
		EUT Conducted Output Power (dBm)	-1.30
		Power Delta (Antenna Power-Output Power) (dB)	0.00



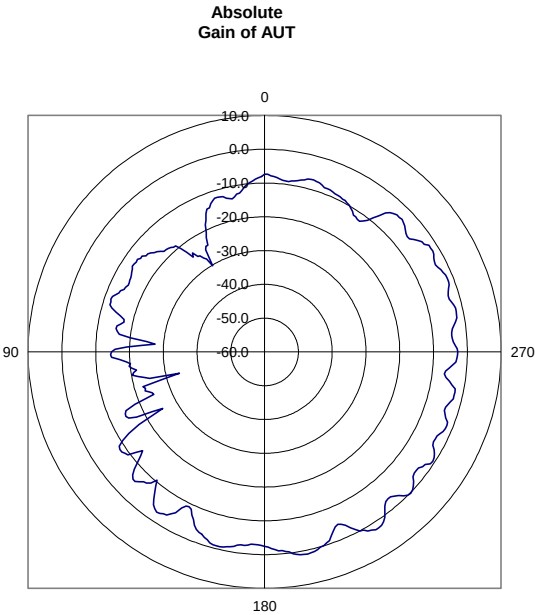
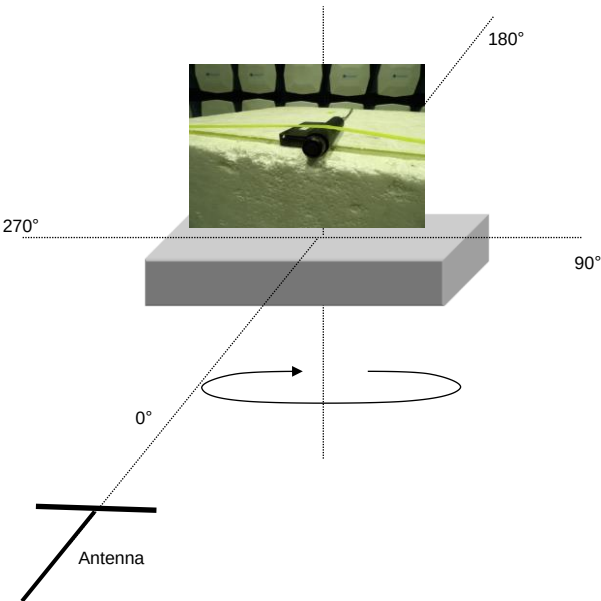
ABSOLUTE GAIN



EmiR5 2025 04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	2480	Absolute Gain of Reference Antenna (dBi)	9.87
Measurement Antenna Polarity	Horizontal	Reference Antenna Relative Gain Max (dBuV/m)	104.18
Antenna Under Test (AUT) Polarity	Horizontal	AUT Relative Gain Max (dBuV/m)	96.38
Maximum Absolute Gain of AUT (dBi)	2.07	Difference (Reference Antenna - AUT) (dB)	7.80
Average Absolute Gain of AUT (dBi)	-8.62	AUT Setup Loss (dB)	0
3 dB Beamwidth	10°	Correction Factor (Convert Relative to Absolute Gain) (dB)	94.31
		Reference Antenna Measured Input Power (dBm)	-1.30
		EUT Conducted Output Power (dBm)	-1.30
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



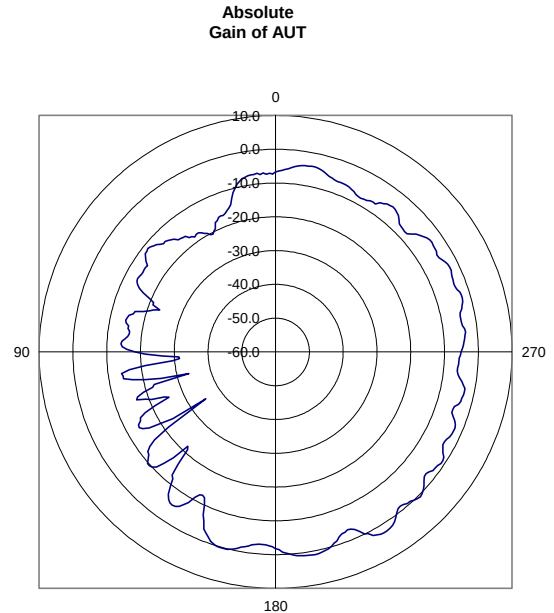
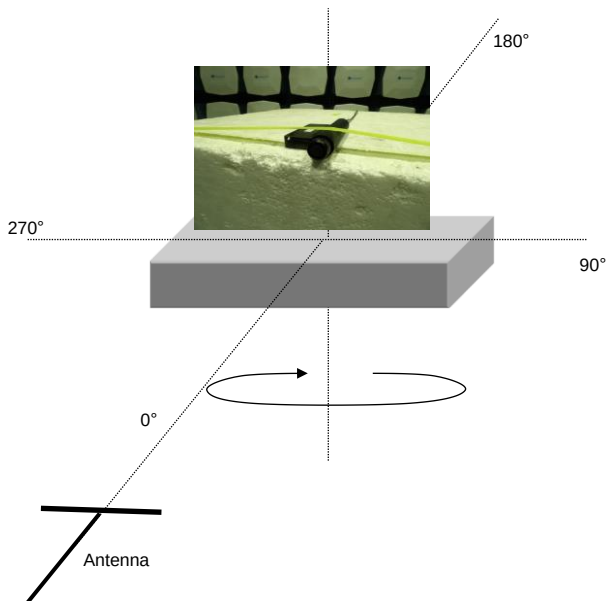
EmiR5 2025 04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2442**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **Horizontal**
 Maximum Absolute Gain of AUT (dBi) **2.41**
 Average Absolute Gain of AUT (dBi) **-8.42**
 3 dB Beamwidth **13°**

Absolute Gain of Reference Antenna (dBi) 9.61
 Reference Antenna Relative Gain Max (dBuV/m) 104.40
 AUT Relative Gain Max (dBuV/m) 97.20
 Difference (Reference Antenna - AUT) (dB) 7.20
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.79**
 Reference Antenna Measured Input Power (dBm) -1.50
 EUT Conducted Output Power (dBm) -1.50
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



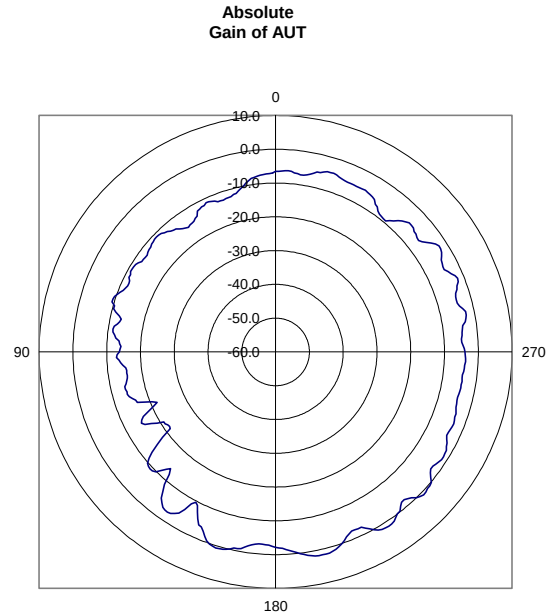
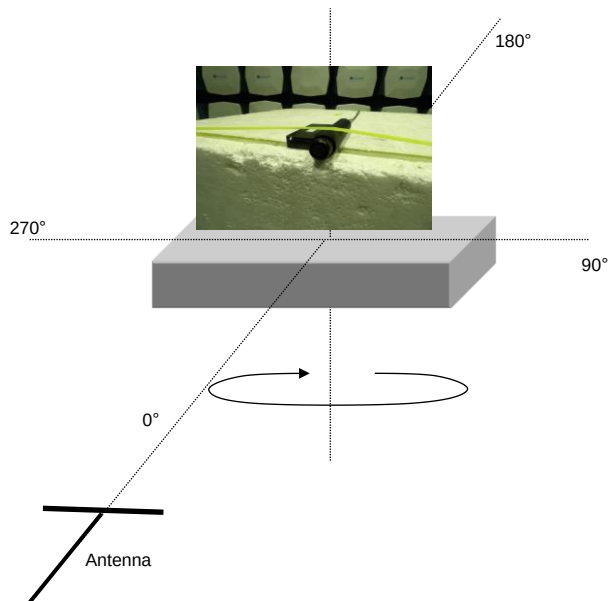
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2402**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **Horizontal**
 Maximum Absolute Gain of AUT (dBi) **1.65**
 Average Absolute Gain of AUT (dBi) **-7.01**
 3 dB Beamwidth **18°**

Absolute Gain of Reference Antenna (dBi) 9.45
 Reference Antenna Relative Gain Max (dBuV/m) 104.08
 AUT Relative Gain Max (dBuV/m) 96.28
 Difference (Reference Antenna - AUT) (dB) 7.80
 AUT Setup Loss (dB) 0
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.63**
 Reference Antenna Measured Input Power (dBm) -1.40
 EUT Conducted Output Power (dBm) -1.40
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



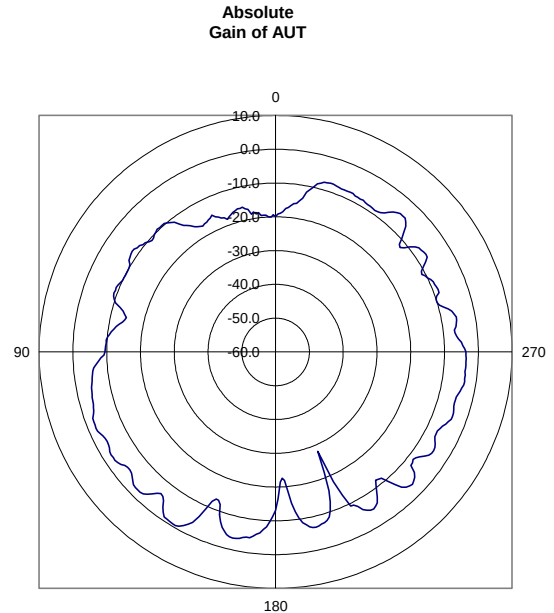
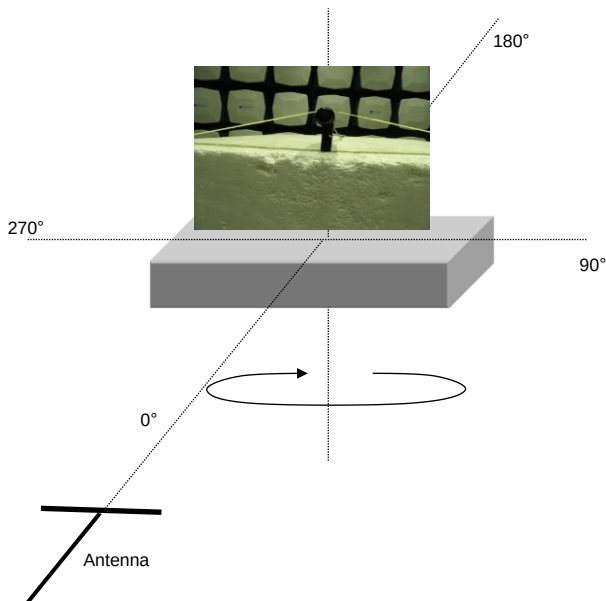
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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2402**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **-0.65**
 Average Absolute Gain of AUT (dBi) **-8.68**
 3 dB Beamwidth **11°**

Absolute Gain of Reference Antenna (dBi) 9.45
 Reference Antenna Relative Gain Max (dBuV/m) 104.08
 AUT Relative Gain Max (dBuV/m) 93.98
 Difference (Reference Antenna - AUT) (dB) 10.10
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.63**
 Reference Antenna Measured Input Power (dBm) -1.40
 EUT Conducted Output Power (dBm) -1.40
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



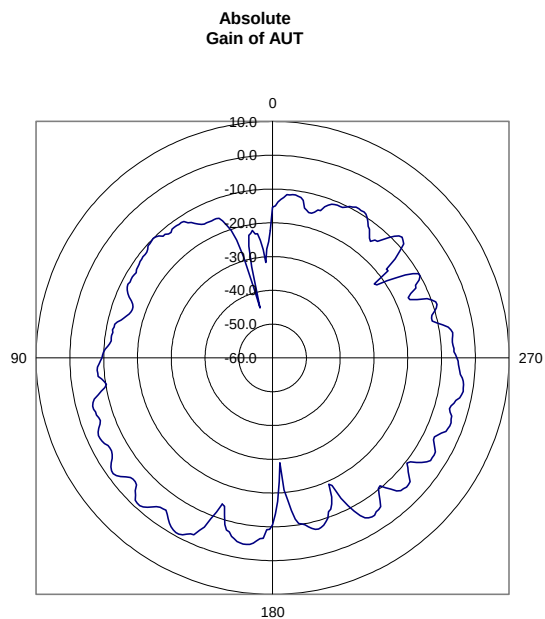
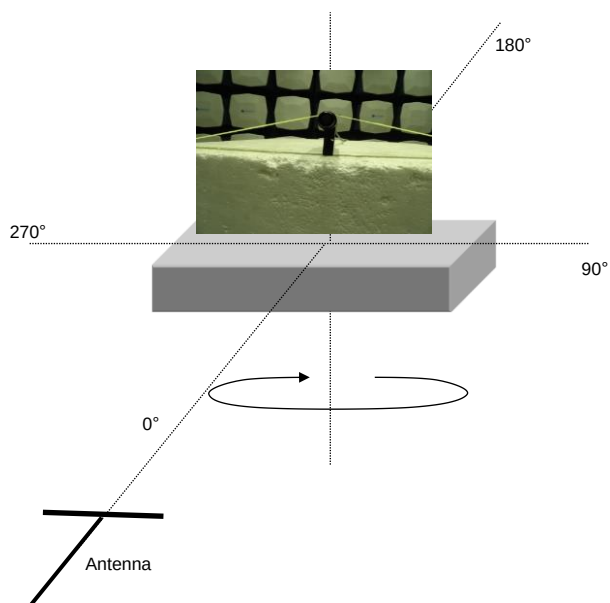
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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2442**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **-0.89**
 Average Absolute Gain of AUT (dBi) **-10.09**
 3 dB Beamwidth **11°**

Absolute Gain of Reference Antenna (dBi) 9.61
 Reference Antenna Relative Gain Max (dBuV/m) 104.40
 AUT Relative Gain Max (dBuV/m) 93.90
 Difference (Reference Antenna - AUT) (dB) 10.50
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.79**
 Reference Antenna Measured Input Power (dBm) -1.50
 EUT Conducted Output Power (dBm) -1.50
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



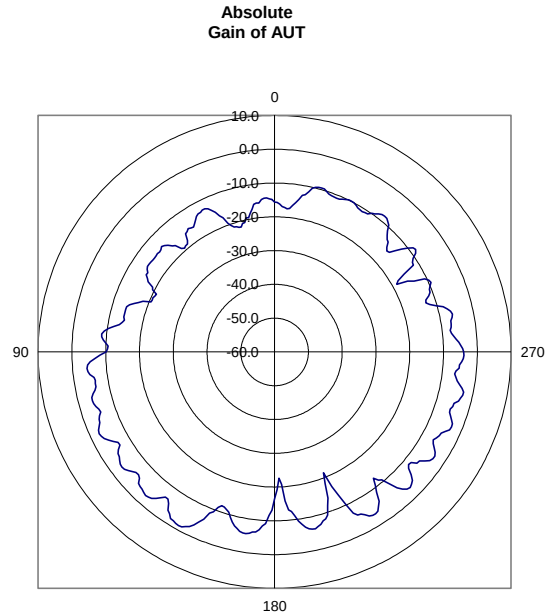
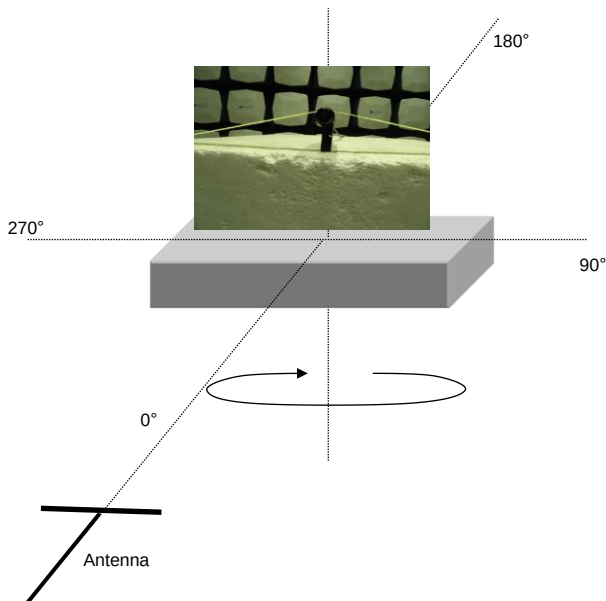
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2480**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **-1.23**
 Average Absolute Gain of AUT (dBi) **-9.87**
 3 dB Beamwidth **11°**

Absolute Gain of Reference Antenna (dBi) 9.87
 Reference Antenna Relative Gain Max (dBuV/m) 104.18
 AUT Relative Gain Max (dBuV/m) 93.08
 Difference (Reference Antenna - AUT) (dB) 11.10
 AUT Setup Loss (dB) 0
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.31**
 Reference Antenna Measured Input Power (dBm) -1.30
 EUT Conducted Output Power (dBm) -1.30
 Power Delta (Antenna Power-Output Power) (dB) 0.00



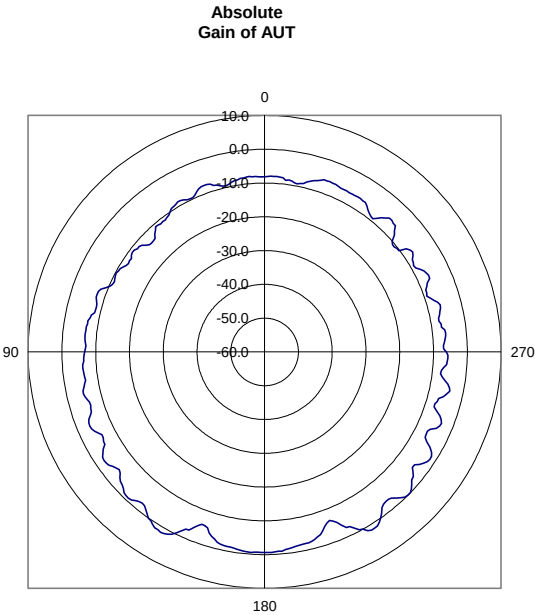
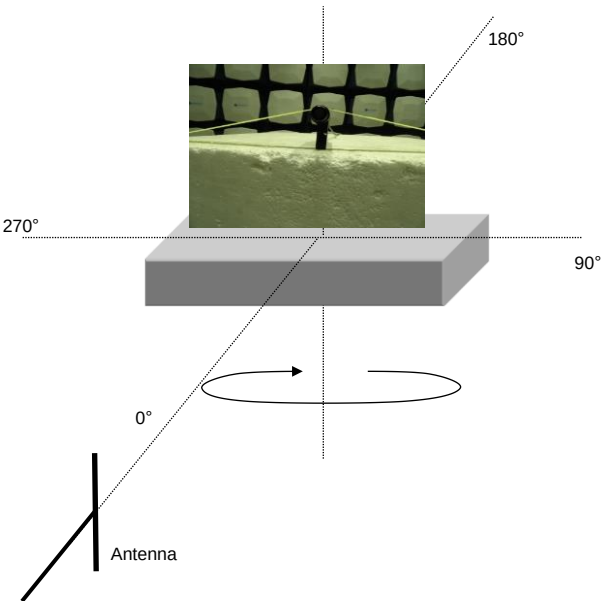
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EmiR5 2025.04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	2480	Absolute Gain of Reference Antenna (dBi)	9.87
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	104.18
Antenna Under Test (AUT) Polarity	on Side	AUT Relative Gain Max (dBuV/m)	95.98
Maximum Absolute Gain of AUT (dBi)	1.67	Difference (Reference Antenna - AUT) (dB)	8.20
Average Absolute Gain of AUT (dBi)	-5.80	AUT Setup Loss (dB)	0
3 dB Beamwidth	12°	Correction Factor (Convert Relative to Absolute Gain) (dB)	94.31
		Reference Antenna Measured Input Power (dBm)	-1.30
		EUT Conducted Output Power (dBm)	-1.30
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



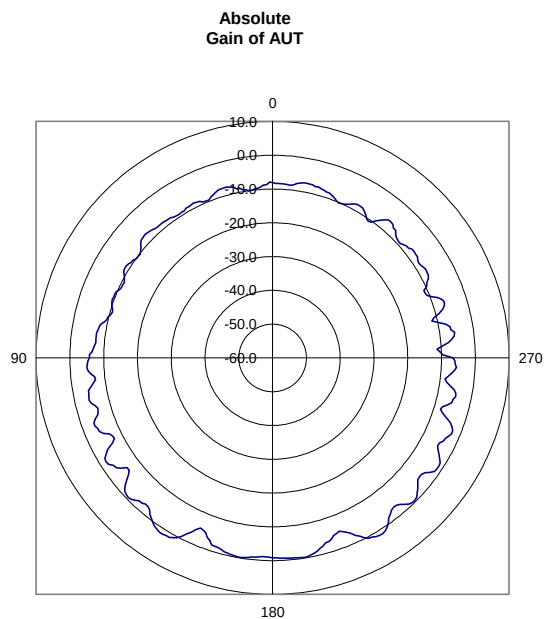
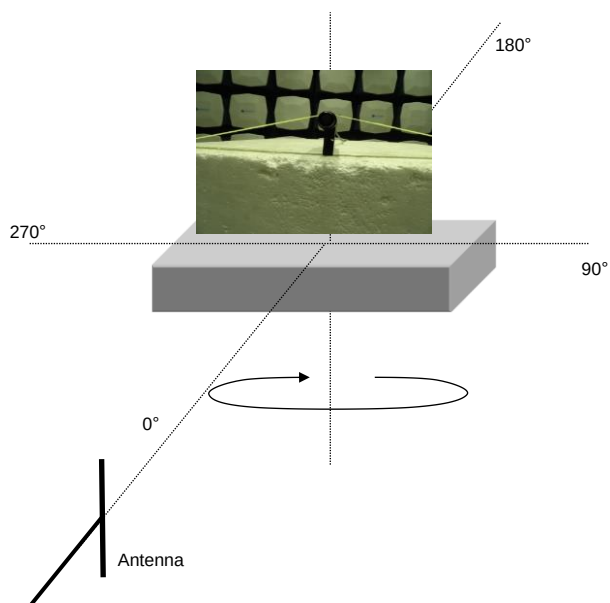
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2442**
 Measurement Antenna Polarity **Vertical**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **1.51**
 Average Absolute Gain of AUT (dBi) **-5.75**
 3 dB Beamwidth **13°**

Absolute Gain of Reference Antenna (dBi) 9.61
 Reference Antenna Relative Gain Max (dBuV/m) 104.40
 AUT Relative Gain Max (dBuV/m) 96.30
 Difference (Reference Antenna - AUT) (dB) 8.10
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.79**
 Reference Antenna Measured Input Power (dBm) -1.50
 EUT Conducted Output Power (dBm) -1.50
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



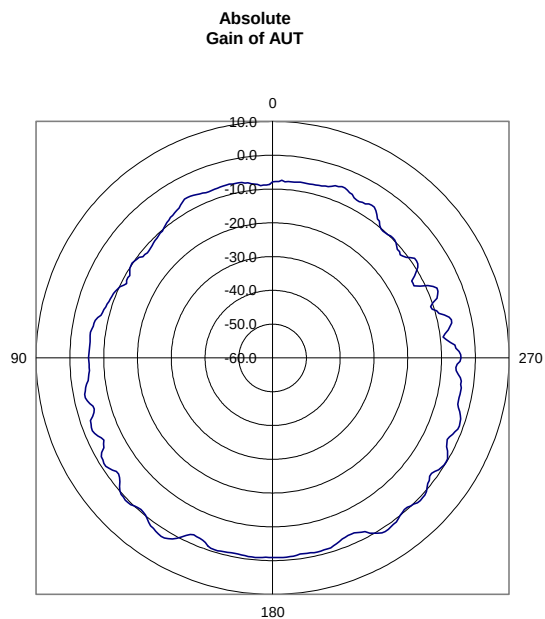
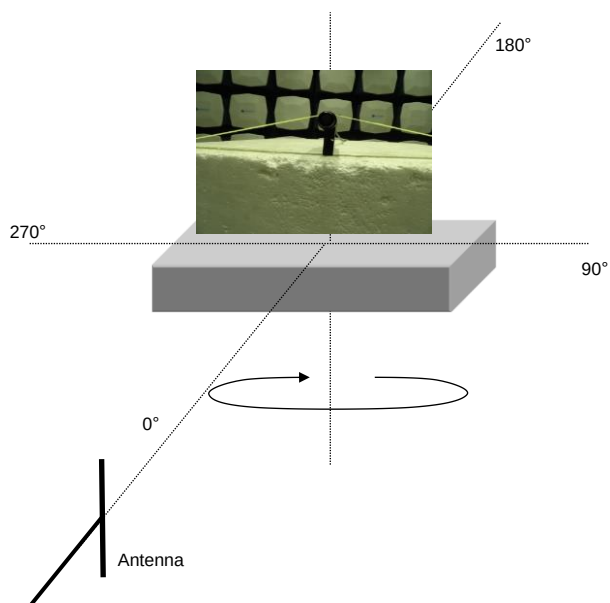
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **2402**
 Measurement Antenna Polarity **Vertical**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **2.25**
 Average Absolute Gain of AUT (dBi) **-4.93**
 3 dB Beamwidth **24°**

Absolute Gain of Reference Antenna (dBi) 9.45
 Reference Antenna Relative Gain Max (dBuV/m) 104.18
 AUT Relative Gain Max (dBuV/m) 96.98
 Difference (Reference Antenna - AUT) (dB) 7.20
 AUT Setup Loss (dB) 0
 Correction Factor (Convert Relative to Absolute Gain) (dB) **94.73**
 Reference Antenna Measured Input Power (dBm) -1.40
 EUT Conducted Output Power (dBm) -1.40
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



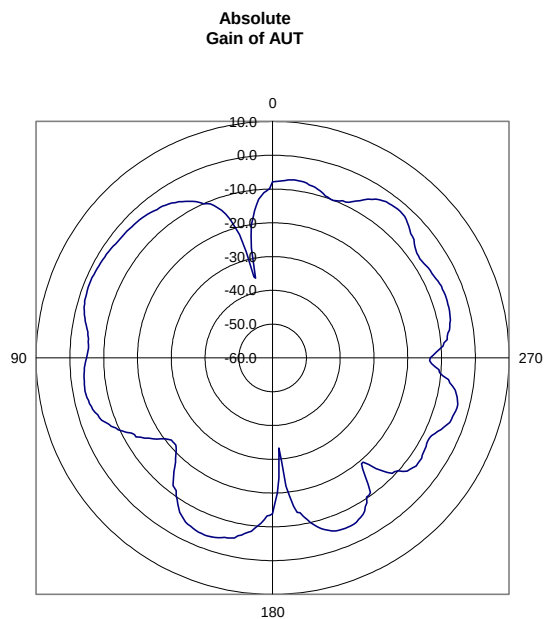
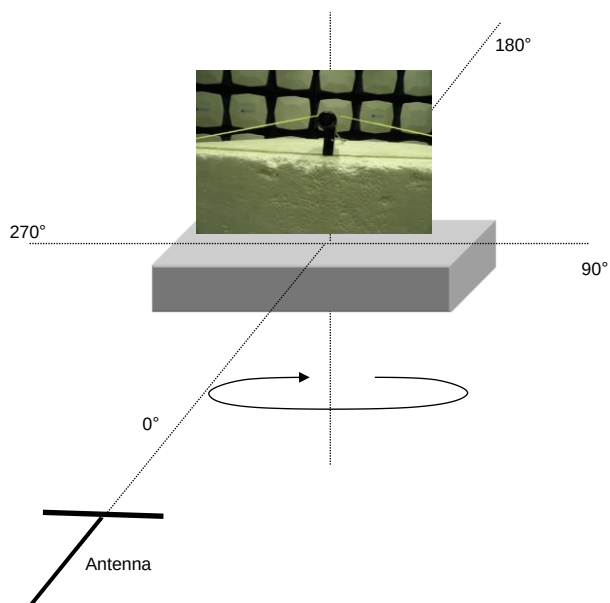
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PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **902**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **-1.53**
 Average Absolute Gain of AUT (dBi) **-8.29**
 3 dB Beamwidth **47°**

Absolute Gain of Reference Antenna (dBi) 0.77
 Reference Antenna Relative Gain Max (dBuV/m) 103.97
 AUT Relative Gain Max (dBuV/m) 101.67
 Difference (Reference Antenna - AUT) (dB) 2.30
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.20**
 Reference Antenna Measured Input Power (dBm) 7.90
 EUT Conducted Output Power (dBm) 7.90
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



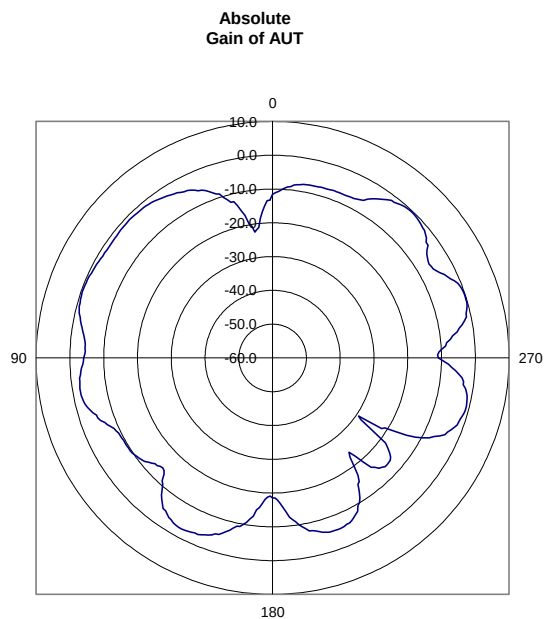
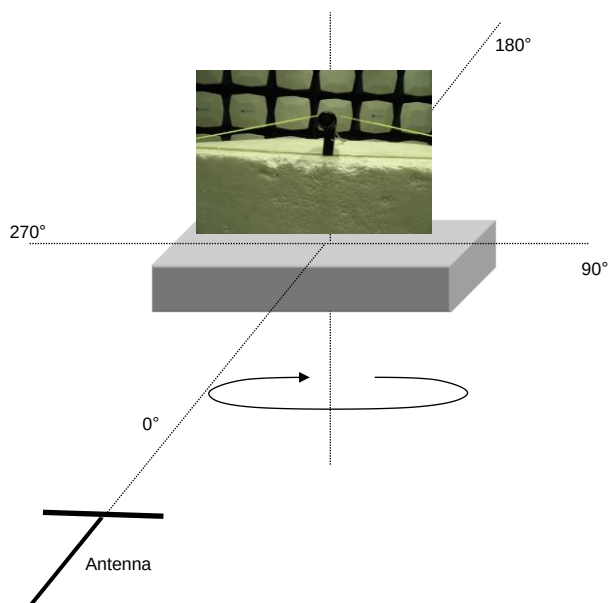
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **915**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **-0.17**
 Average Absolute Gain of AUT (dBi) **-6.96**
 3 dB Beamwidth **17°**

Absolute Gain of Reference Antenna (dBi) 0.53
 Reference Antenna Relative Gain Max (dBuV/m) 103.64
 AUT Relative Gain Max (dBuV/m) 102.94
 Difference (Reference Antenna - AUT) (dB) 0.70
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.11**
 Reference Antenna Measured Input Power (dBm) 7.60
 EUT Conducted Output Power (dBm) 7.60
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



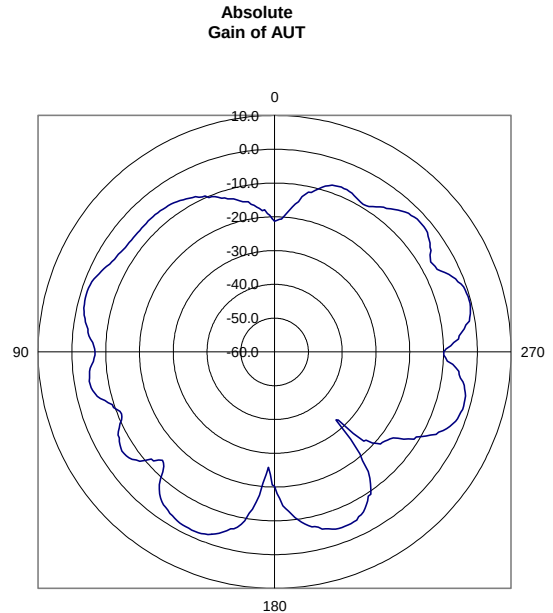
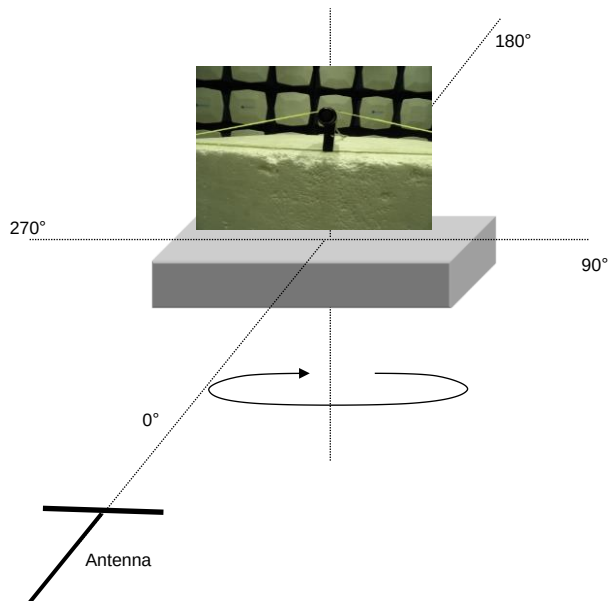
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **928**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **on Side**
 Maximum Absolute Gain of AUT (dBi) **-0.33**
 Average Absolute Gain of AUT (dBi) **-8.05**
 3 dB Beamwidth **17°**

Absolute Gain of Reference Antenna (dBi) 0.27
 Reference Antenna Relative Gain Max (dBuV/m) 103.82
 AUT Relative Gain Max (dBuV/m) 103.22
 Difference (Reference Antenna - AUT) (dB) 0.60
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.55**
 Reference Antenna Measured Input Power (dBm) 7.20
 EUT Conducted Output Power (dBm) 7.20
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN

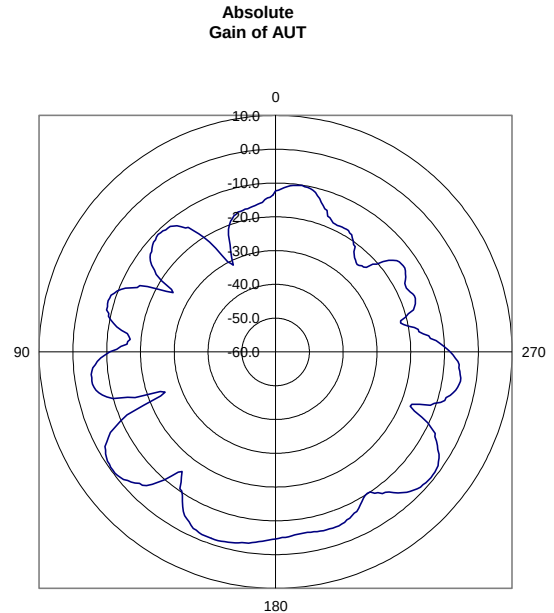
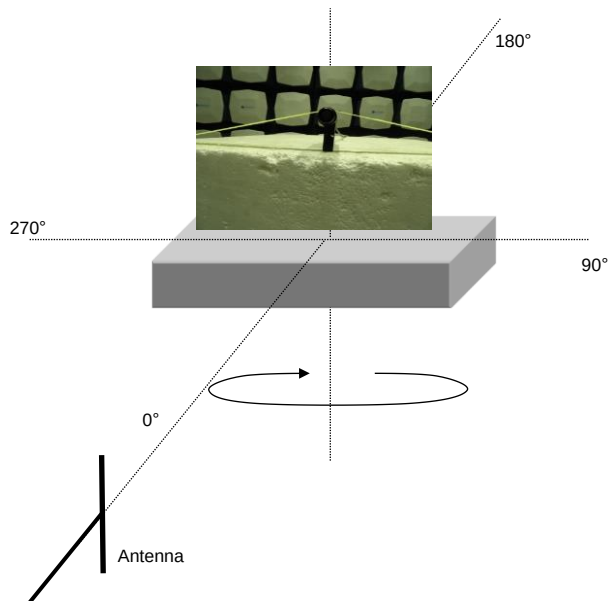


EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	928	Absolute Gain of Reference Antenna (dBi)	0.27
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	103.82
Antenna Under Test (AUT) Polarity	on Side	AUT Relative Gain Max (dBuV/m)	103.12
Maximum Absolute Gain of AUT (dBi)	-0.43	Difference (Reference Antenna - AUT) (dB)	0.70
Average Absolute Gain of AUT (dBi)	-11.08	AUT Setup Loss (dB)	0
3 dB Beamwidth	16°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.55
		Reference Antenna Measured Input Power (dBm)	7.20
		EUT Conducted Output Power (dBm)	7.20
		Power Delta (Antenna Power-Output Power) (dB)	0.00



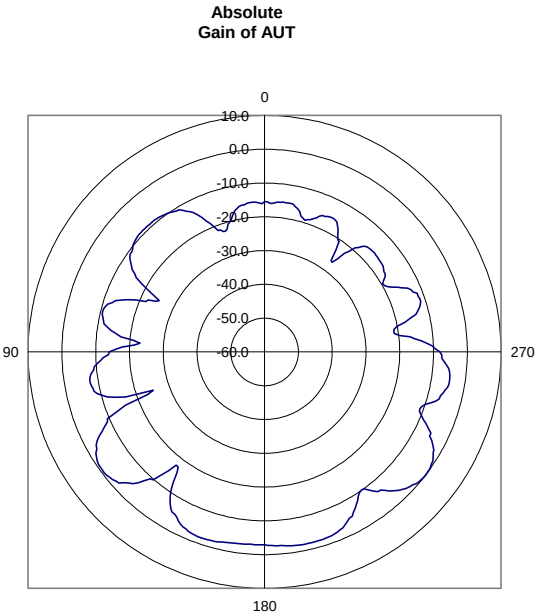
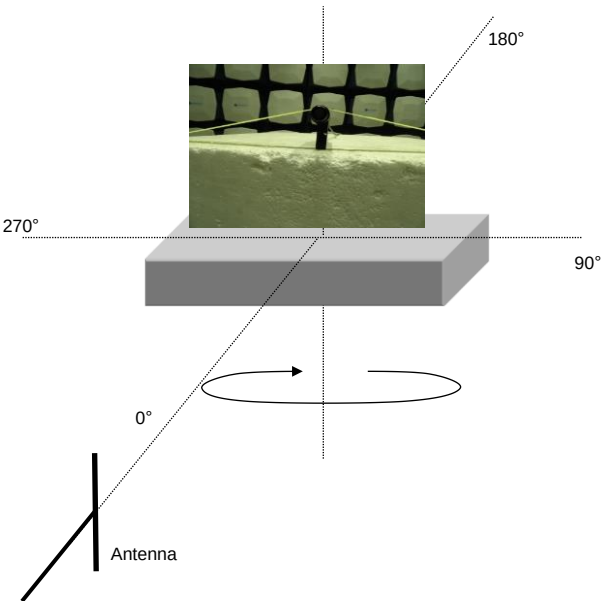
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EmiR5 2025.04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	915	Absolute Gain of Reference Antenna (dBi)	0.53
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	103.64
Antenna Under Test (AUT) Polarity	on Side	AUT Relative Gain Max (dBuV/m)	103.14
Maximum Absolute Gain of AUT (dBi)	0.03	Difference (Reference Antenna - AUT) (dB)	0.50
Average Absolute Gain of AUT (dBi)	-10.60	AUT Setup Loss (dB)	0
3 dB Beamwidth	17°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.11
		Reference Antenna Measured Input Power (dBm)	7.60
		EUT Conducted Output Power (dBm)	7.60
		Power Delta (Antenna Power-Output Power) (dB)	0.00



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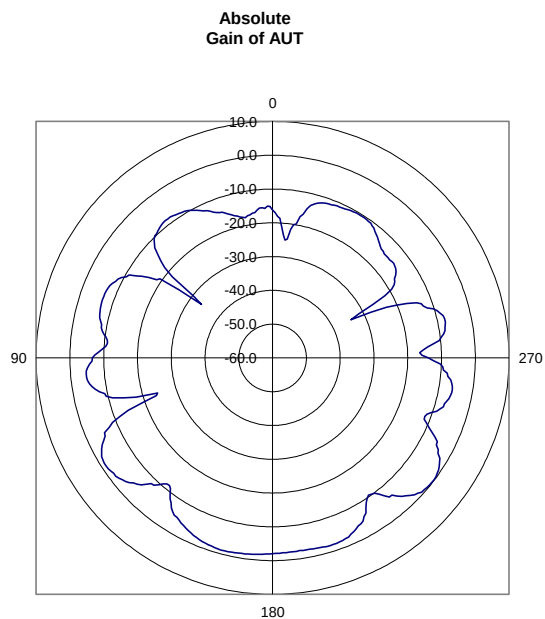
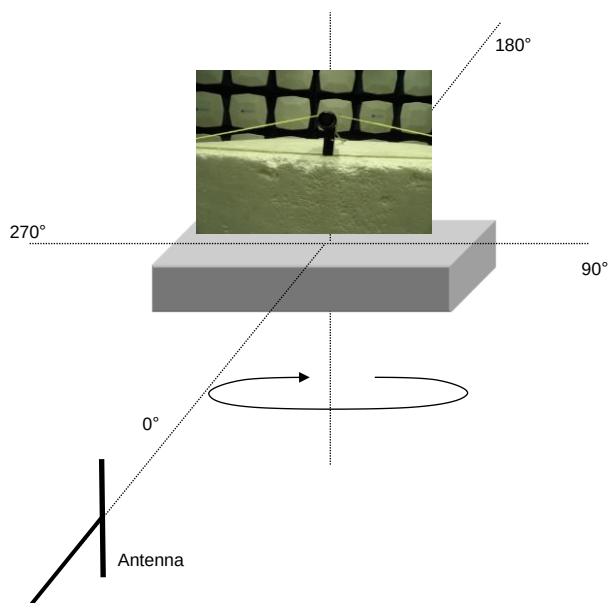


EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	902	Absolute Gain of Reference Antenna (dBi)	0.77
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	103.97
Antenna Under Test (AUT) Polarity	on Side	AUT Relative Gain Max (dBuV/m)	103.07
Maximum Absolute Gain of AUT (dBi)	-0.13	Difference (Reference Antenna - AUT) (dB)	0.90
Average Absolute Gain of AUT (dBi)	-9.29	AUT Setup Loss (dB)	0
3 dB Beamwidth	16°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.20
		Reference Antenna Measured Input Power (dBm)	7.90
		EUT Conducted Output Power (dBm)	7.90
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



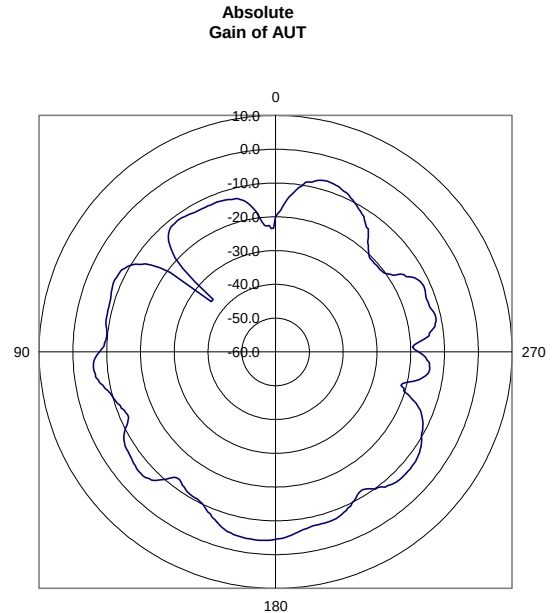
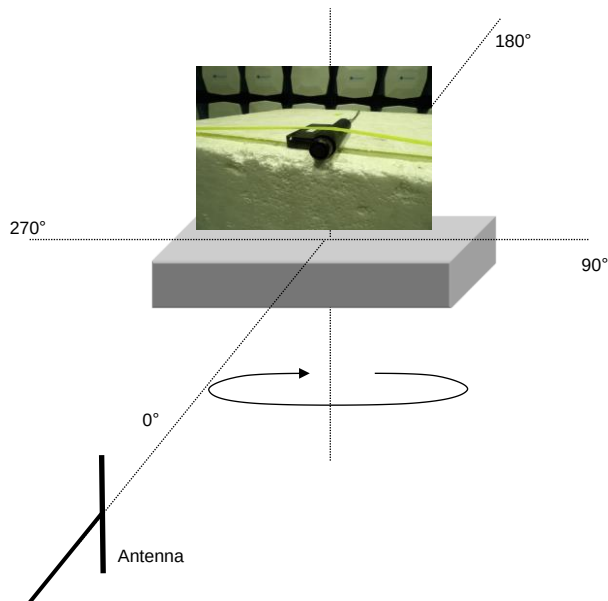
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **902**
 Measurement Antenna Polarity **Vertical**
 Antenna Under Test (AUT) Polarity **Horizontal**
 Maximum Absolute Gain of AUT (dBi) **-4.03**
 Average Absolute Gain of AUT (dBi) **-11.48**
 3 dB Beamwidth **31°**

Absolute Gain of Reference Antenna (dBi) 0.77
 Reference Antenna Relative Gain Max (dBuV/m) 103.97
 AUT Relative Gain Max (dBuV/m) 99.17
 Difference (Reference Antenna - AUT) (dB) 4.80
 AUT Setup Loss (dB) 0
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.20**
 Reference Antenna Measured Input Power (dBm) 7.90
 EUT Conducted Output Power (dBm) 7.90
 Power Delta (Antenna Power-Output Power) (dB) 0.00



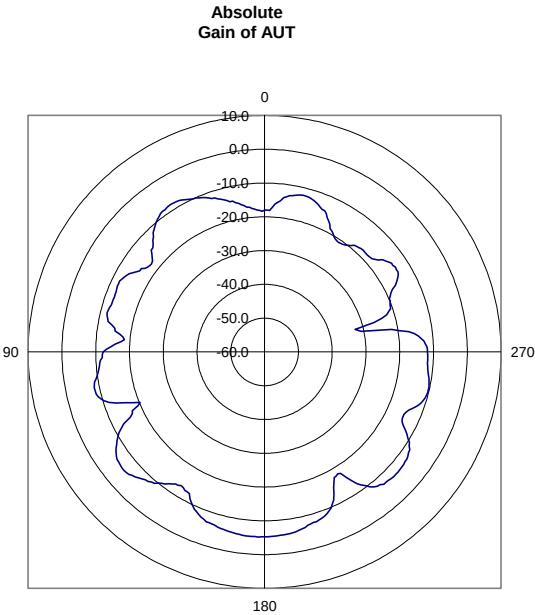
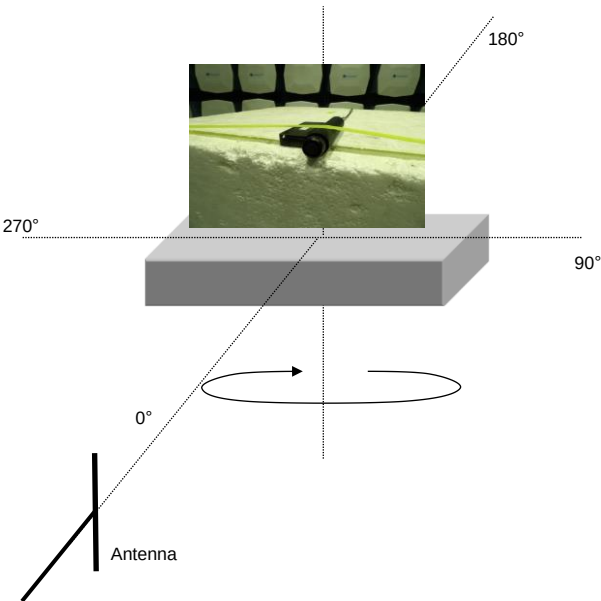
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EmiR5 2025 04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	915	Absolute Gain of Reference Antenna (dBi)	0.53
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	103.64
Antenna Under Test (AUT) Polarity	Horizontal	AUT Relative Gain Max (dBuV/m)	97.94
Maximum Absolute Gain of AUT (dBi)	-5.17	Difference (Reference Antenna - AUT) (dB)	5.70
Average Absolute Gain of AUT (dBi)	-12.49	AUT Setup Loss (dB)	0
3 dB Beamwidth	43°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.11
		Reference Antenna Measured Input Power (dBm)	7.60
		EUT Conducted Output Power (dBm)	7.60
		Power Delta (Antenna Power-Output Power) (dB)	0.00



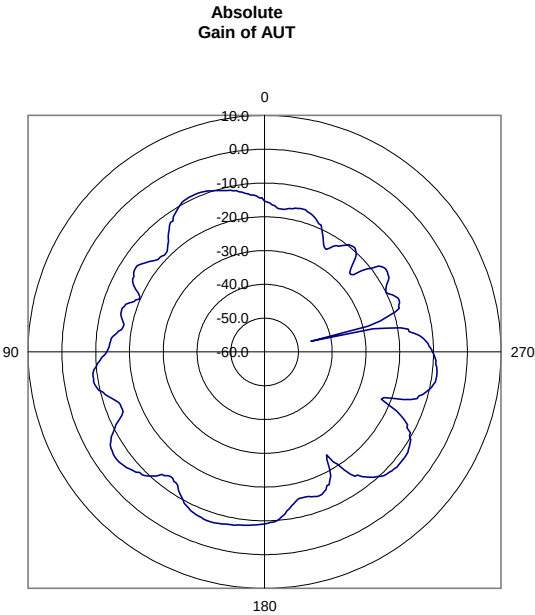
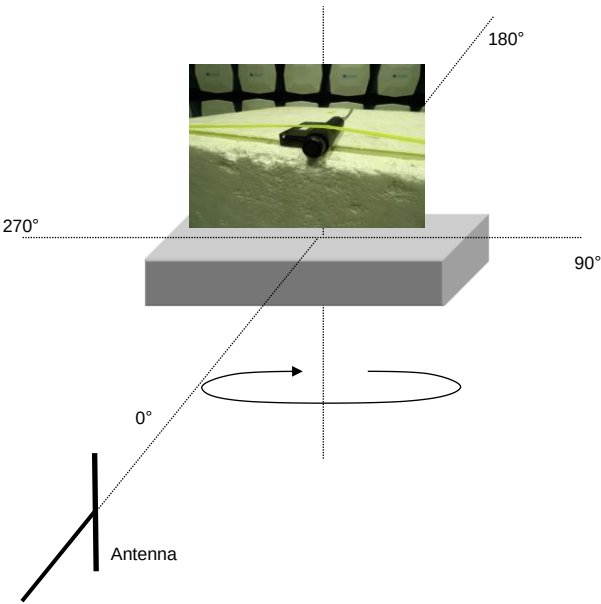
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EmiR5 2025.04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	928	Absolute Gain of Reference Antenna (dBi)	0.27
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	103.82
Antenna Under Test (AUT) Polarity	Horizontal	AUT Relative Gain Max (dBuV/m)	97.72
Maximum Absolute Gain of AUT (dBi)	-5.83	Difference (Reference Antenna - AUT) (dB)	6.10
Average Absolute Gain of AUT (dBi)	-13.94	AUT Setup Loss (dB)	0
3 dB Beamwidth	18°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.55
		Reference Antenna Measured Input Power (dBm)	7.20
		EUT Conducted Output Power (dBm)	7.20
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



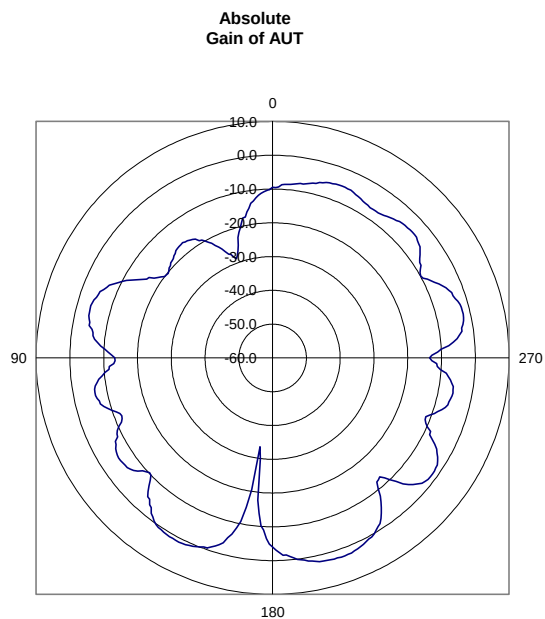
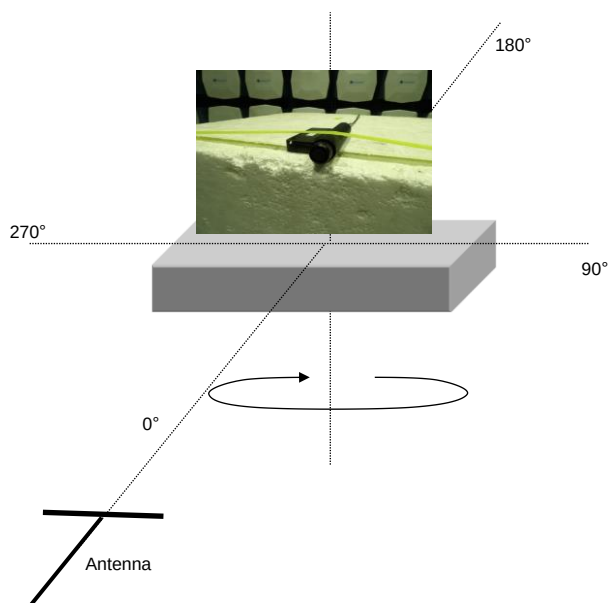
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **928**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **Horizontal**
 Maximum Absolute Gain of AUT (dBi) **2.37**
 Average Absolute Gain of AUT (dBi) **-7.99**
 3 dB Beamwidth **27°**

Absolute Gain of Reference Antenna (dBi) 0.27
 Reference Antenna Relative Gain Max (dBuV/m) 103.82
 AUT Relative Gain Max (dBuV/m) 105.92
 Difference (Reference Antenna - AUT) (dB) -2.10
 AUT Setup Loss (dB) 0
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.55**
 Reference Antenna Measured Input Power (dBm) 7.20
 EUT Conducted Output Power (dBm) 7.20
 Power Delta (Antenna Power-Output Power) (dB) 0.00



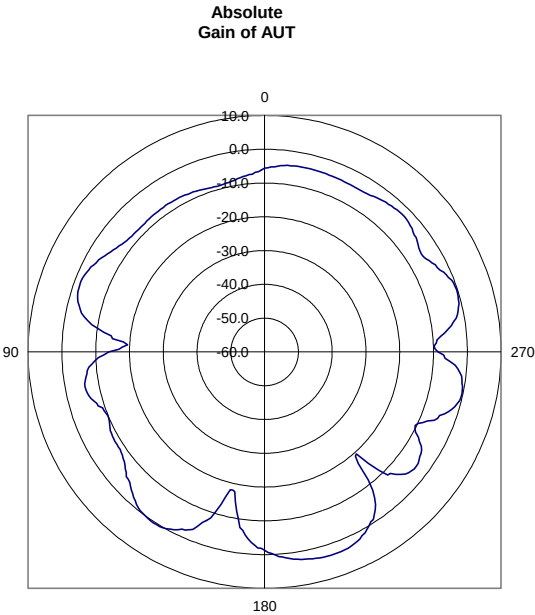
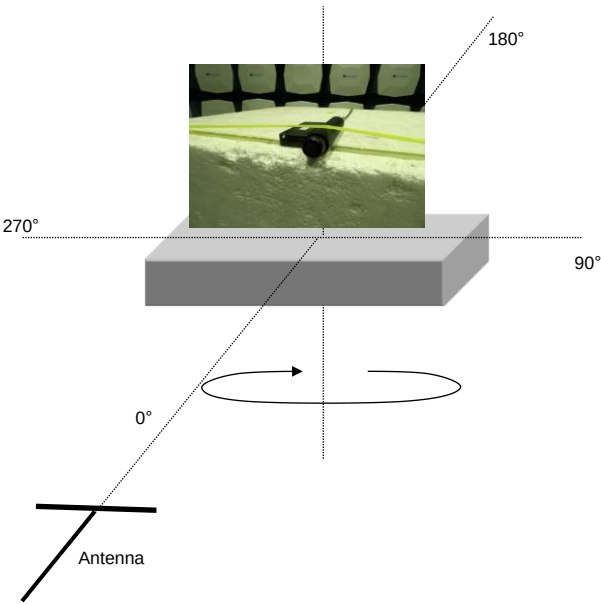
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EmiR5 2025 04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	915	Absolute Gain of Reference Antenna (dBi)	0.53
Measurement Antenna Polarity	Horizontal	Reference Antenna Relative Gain Max (dBuV/m)	103.64
Antenna Under Test (AUT) Polarity	Horizontal	AUT Relative Gain Max (dBuV/m)	106.44
Maximum Absolute Gain of AUT (dBi)	3.33	Difference (Reference Antenna - AUT) (dB)	-2.80
Average Absolute Gain of AUT (dBi)	-5.12	AUT Setup Loss (dB)	0
3 dB Beamwidth	28°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.11
		Reference Antenna Measured Input Power (dBm)	7.60
		EUT Conducted Output Power (dBm)	7.60
		Power Delta (Antenna Power-Output Power) (dB)	0.00



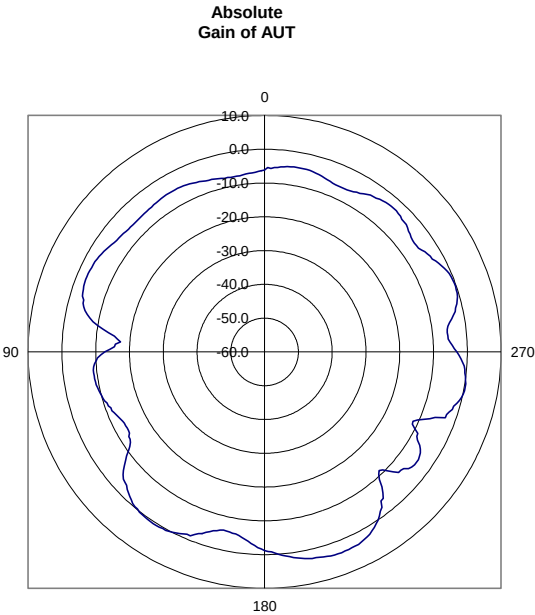
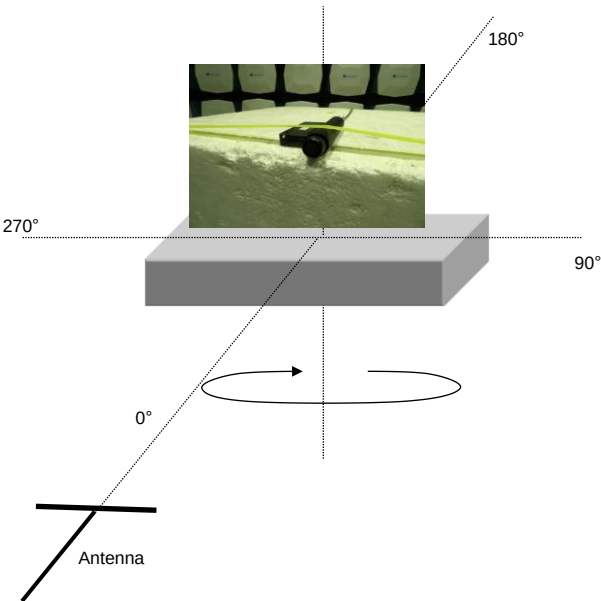
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EmiR5 2025.04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	902	Absolute Gain of Reference Antenna (dBi)	0.77
Measurement Antenna Polarity	Horizontal	Reference Antenna Relative Gain Max (dBuV/m)	103.97
Antenna Under Test (AUT) Polarity	Horizontal	AUT Relative Gain Max (dBuV/m)	106.87
Maximum Absolute Gain of AUT (dBi)	3.67	Difference (Reference Antenna - AUT) (dB)	-2.90
Average Absolute Gain of AUT (dBi)	-4.61	AUT Setup Loss (dB)	0
3 dB Beamwidth	28°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.20
		Reference Antenna Measured Input Power (dBm)	7.90
		EUT Conducted Output Power (dBm)	7.90
		Power Delta (Antenna Power-Output Power) (dB)	0.00



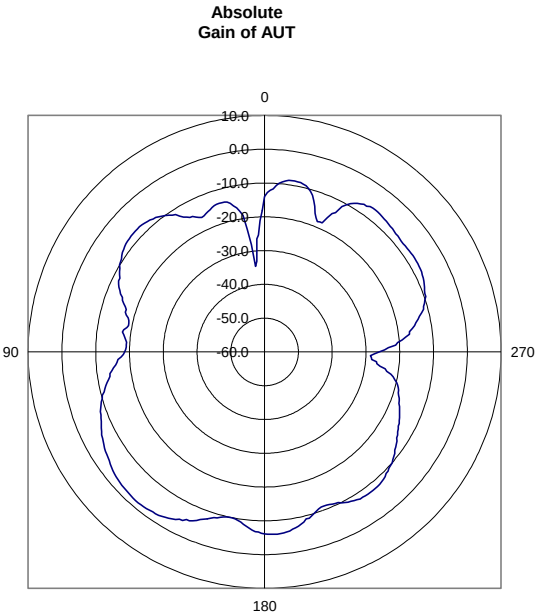
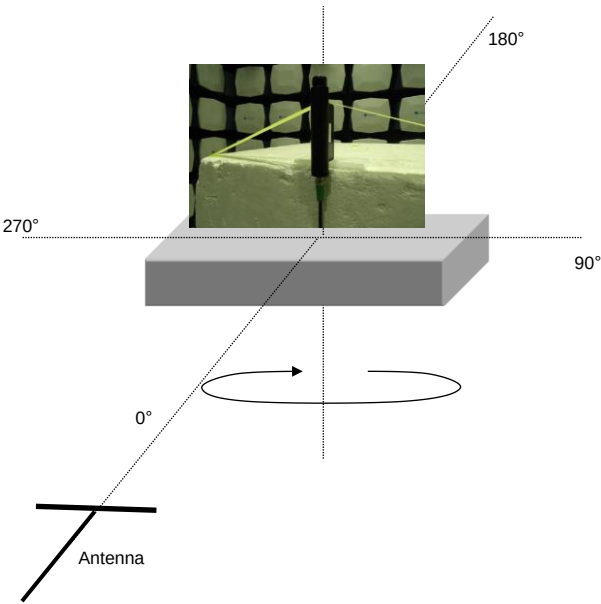
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EmiR5 2025 04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	902	Absolute Gain of Reference Antenna (dBi)	0.77
Measurement Antenna Polarity	Horizontal	Reference Antenna Relative Gain Max (dBuV/m)	103.97
Antenna Under Test (AUT) Polarity	Vertical	AUT Relative Gain Max (dBuV/m)	101.47
Maximum Absolute Gain of AUT (dBi)	-1.73	Difference (Reference Antenna - AUT) (dB)	2.50
Average Absolute Gain of AUT (dBi)	-11.36	AUT Setup Loss (dB)	0
3 dB Beamwidth	34°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.20
		Reference Antenna Measured Input Power (dBm)	7.90
		EUT Conducted Output Power (dBm)	7.90
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



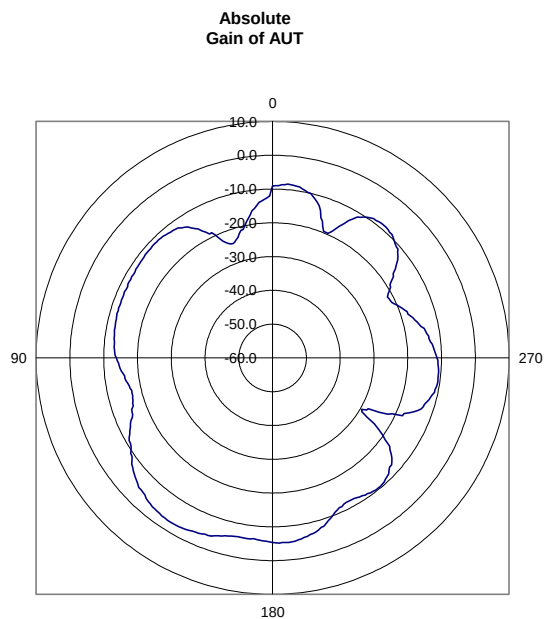
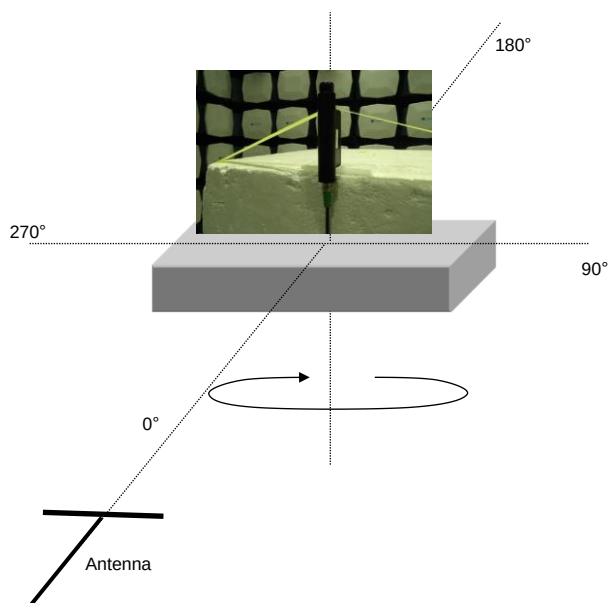
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	
EUT:	DAIC-ACB-XN			Tested by: Jeff Alcock
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **915**
 Measurement Antenna Polarity **Horizontal**
 Antenna Under Test (AUT) Polarity **Vertical**
 Maximum Absolute Gain of AUT (dBi) **-2.77**
 Average Absolute Gain of AUT (dBi) **-12.29**
 3 dB Beamwidth **35°**

Absolute Gain of Reference Antenna (dBi) 0.53
 Reference Antenna Relative Gain Max (dBuV/m) 103.64
 AUT Relative Gain Max (dBuV/m) 100.34
 Difference (Reference Antenna - AUT) (dB) 3.30
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.11**
 Reference Antenna Measured Input Power (dBm) 7.60
 EUT Conducted Output Power (dBm) 7.60
 Power Delta (Antenna Power-Output Power) (dB) 0.00



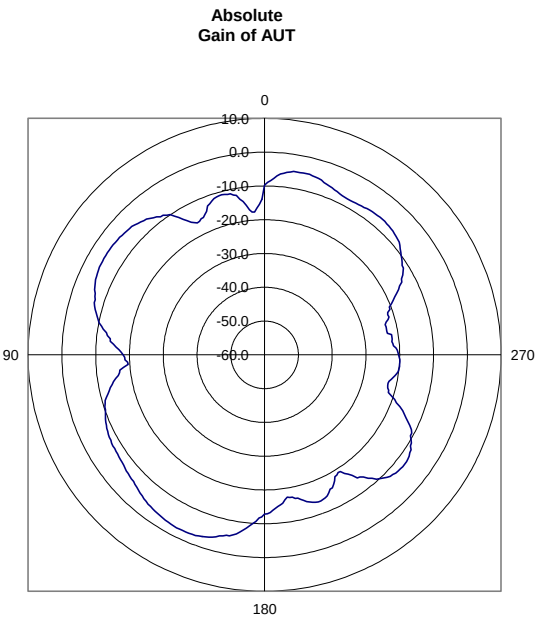
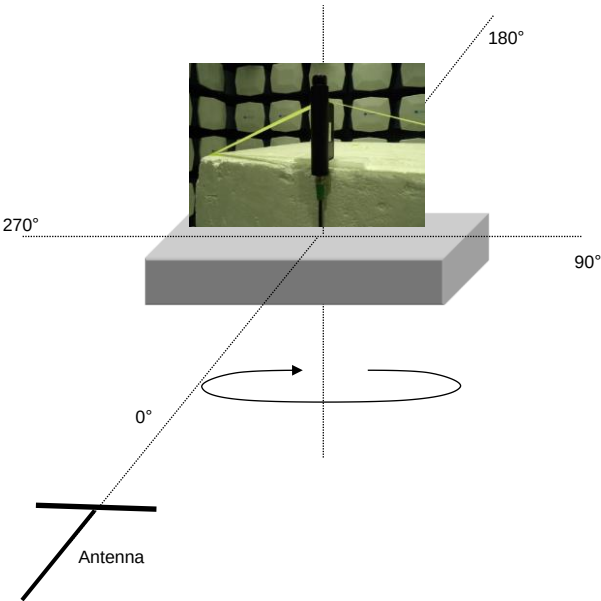
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EmiR5 2025.04.30.2 PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	928	Absolute Gain of Reference Antenna (dBi)	0.27
Measurement Antenna Polarity	Horizontal	Reference Antenna Relative Gain Max (dBuV/m)	103.82
Antenna Under Test (AUT) Polarity	Vertical	AUT Relative Gain Max (dBuV/m)	101.02
Maximum Absolute Gain of AUT (dBi)	-2.53	Difference (Reference Antenna - AUT) (dB)	2.80
Average Absolute Gain of AUT (dBi)	-11.11	AUT Setup Loss (dB)	0
3 dB Beamwidth	34°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.55
		Reference Antenna Measured Input Power (dBm)	7.20
		EUT Conducted Output Power (dBm)	7.20
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



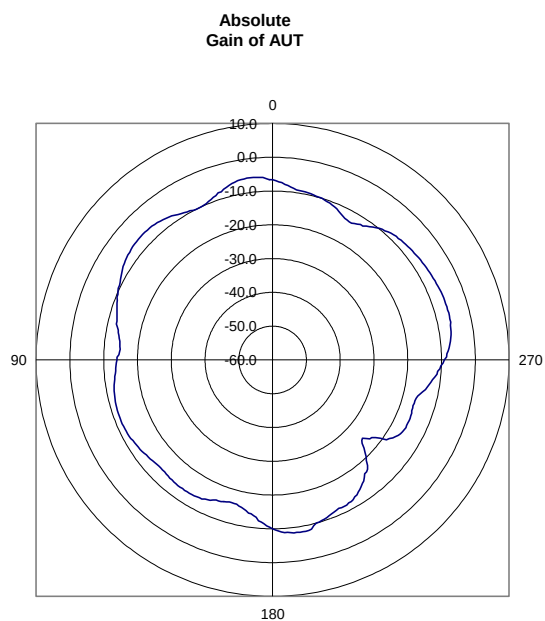
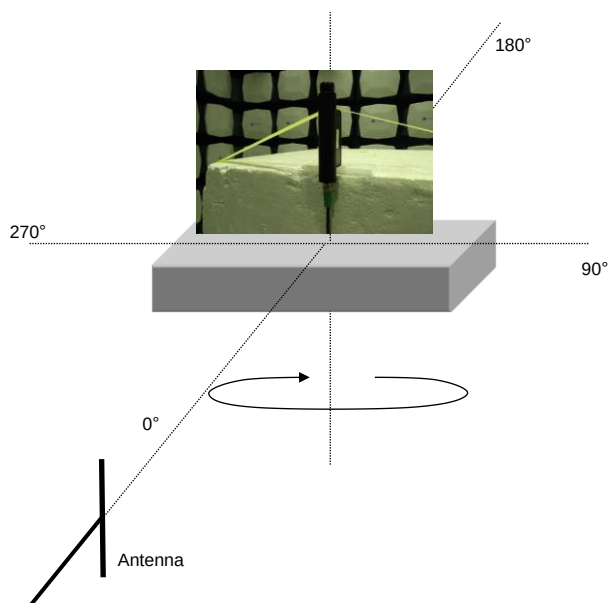
EmiR5 2025 04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency **928**
 Measurement Antenna Polarity **Vertical**
 Antenna Under Test (AUT) Polarity **Vertical**
 Maximum Absolute Gain of AUT (dBi) **-5.63**
 Average Absolute Gain of AUT (dBi) **-11.28**
 3 dB Beamwidth **27°**

Absolute Gain of Reference Antenna (dBi) 0.27
 Reference Antenna Relative Gain Max (dBuV/m) 103.82
 AUT Relative Gain Max (dBuV/m) 97.92
 Difference (Reference Antenna - AUT) (dB) 5.90
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.55**
 Reference Antenna Measured Input Power (dBm) 7.20
 EUT Conducted Output Power (dBm) 7.20
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN



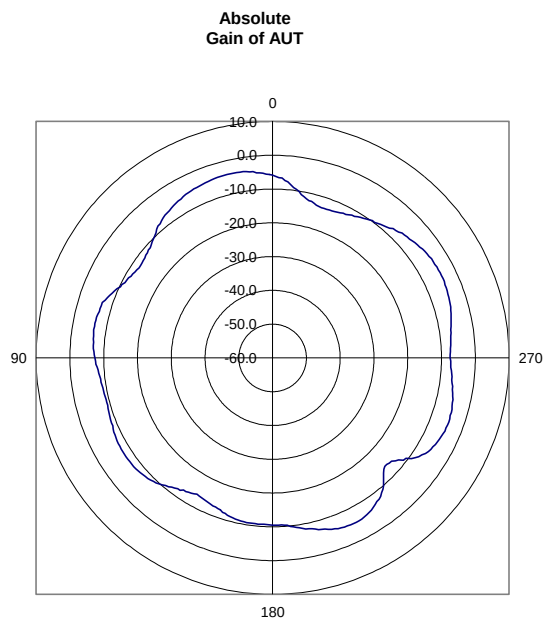
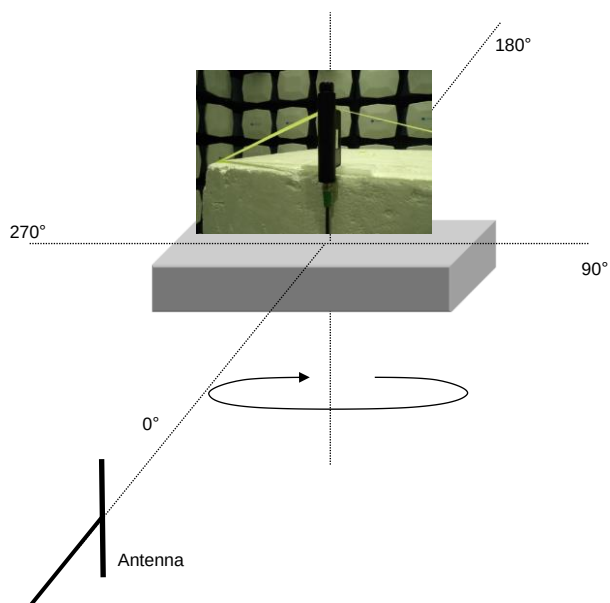
EmiR5 2025.04.30.2

PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26		
Project:	None	Temperature:	23.2°C		
Job Site:	EV01	Humidity:	48.50%		
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by:	Jeff Alcock
EUT:	DAIC-ACB-XN				
Configuration:	DTAI0007-1				
Customer:	Dot Ai Corporation				
Attendees:	None				
EUT Power:	12 VDC via 110VAC/60Hz				
Operating Mode:	CW				
Deviations:	None				
Comments:	None				

Frequency **915**
 Measurement Antenna Polarity **Vertical**
 Antenna Under Test (AUT) Polarity **Vertical**
 Maximum Absolute Gain of AUT (dBi) **-4.07**
 Average Absolute Gain of AUT (dBi) **-8.25**
 3 dB Beamwidth **42°**

Absolute Gain of Reference Antenna (dBi) 0.53
 Reference Antenna Relative Gain Max (dBuV/m) 103.64
 AUT Relative Gain Max (dBuV/m) 99.04
 Difference (Reference Antenna - AUT) (dB) 4.60
 AUT Setup Loss (dB) **0**
 Correction Factor (Convert Relative to Absolute Gain) (dB) **103.11**
 Reference Antenna Measured Input Power (dBm) 7.60
 EUT Conducted Output Power (dBm) 7.60
 Power Delta (Antenna Power-Output Power) (dB) 0.00



ABSOLUTE GAIN

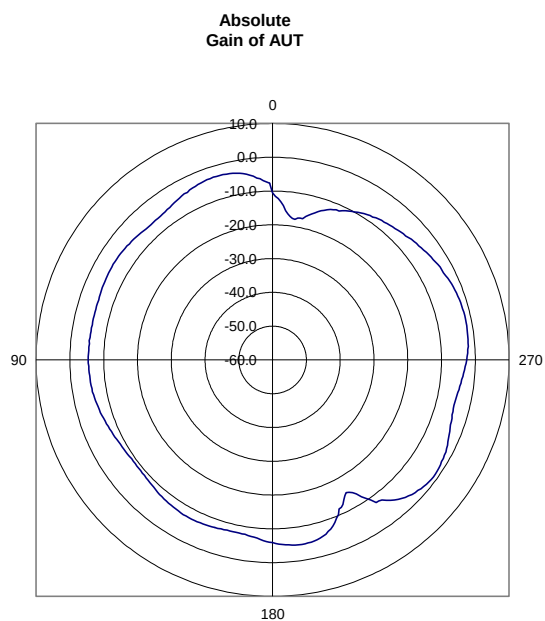
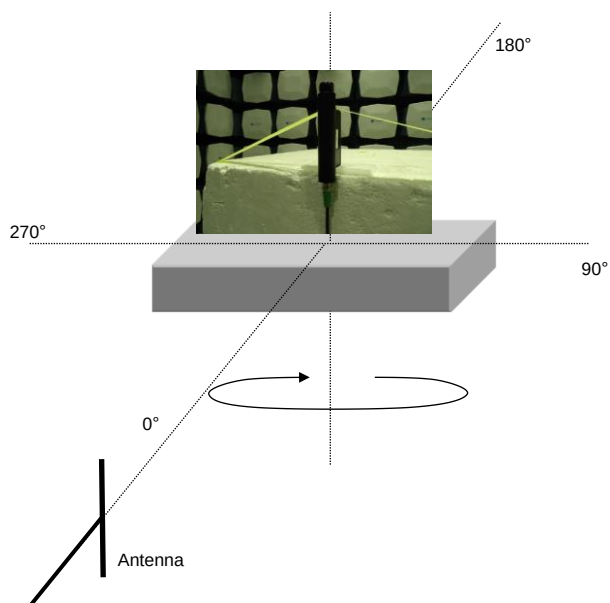


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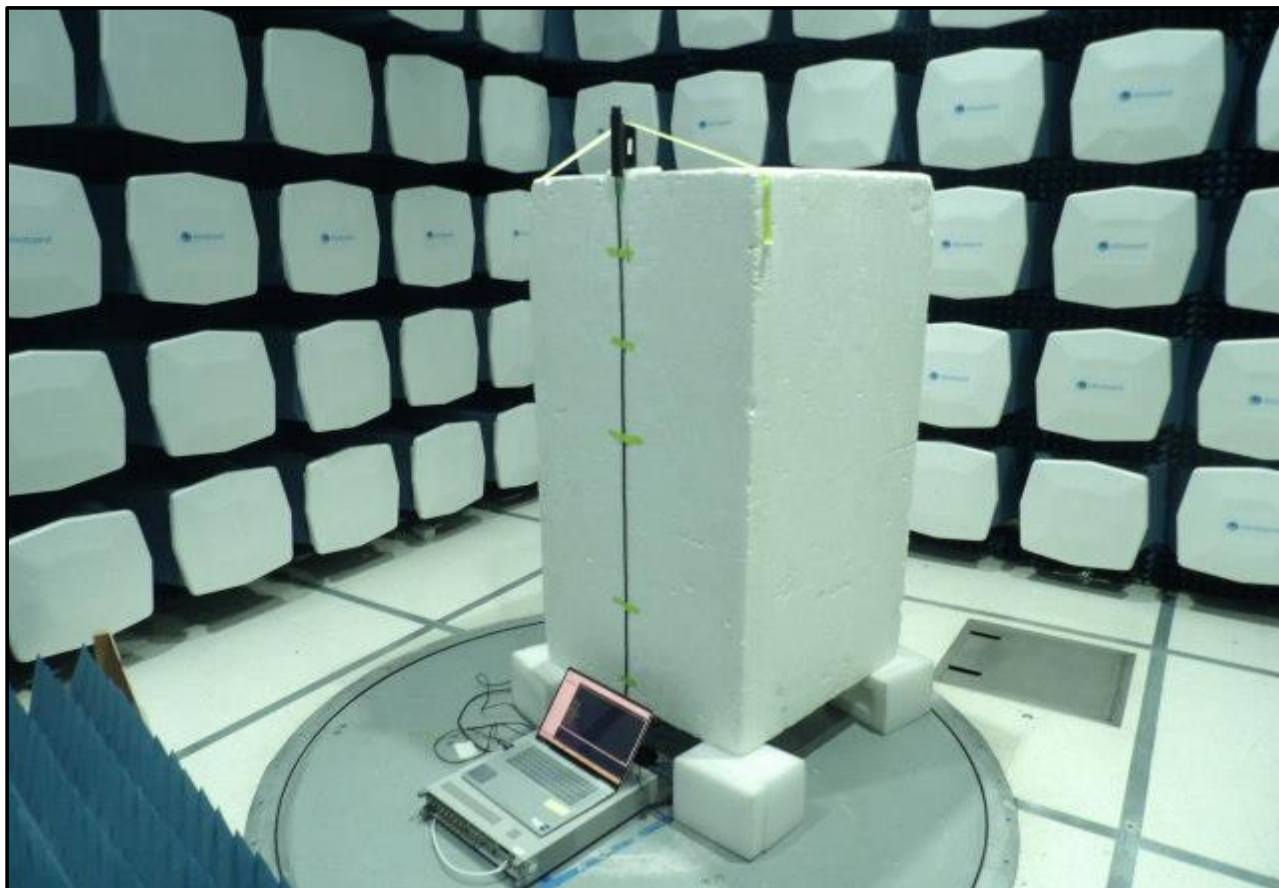
PSA-ESCI 2024.11.22.0

Work Order:	DTAI0007	Date:	2025-08-26	
Project:	None	Temperature:	23.2°C	
Job Site:	EV01	Humidity:	48.50%	
Serial Number:	25020-DC9F98DBAE33	Barometric Pres.:	1012 mbar	Tested by: Jeff Alcock
EUT:	DAIC-ACB-XN			
Configuration:	DTAI0007-1			
Customer:	Dot Ai Corporation			
Attendees:	None			
EUT Power:	12 VDC via 110VAC/60Hz			
Operating Mode:	CW			
Deviations:	None			
Comments:	None			

Frequency	902	Absolute Gain of Reference Antenna (dBi)	0.77
Measurement Antenna Polarity	Vertical	Reference Antenna Relative Gain Max (dBuV/m)	103.97
Antenna Under Test (AUT) Polarity	Vertical	AUT Relative Gain Max (dBuV/m)	102.07
Maximum Absolute Gain of AUT (dBi)	-1.13	Difference (Reference Antenna - AUT) (dB)	1.90
Average Absolute Gain of AUT (dBi)	-6.33	AUT Setup Loss (dB)	0
3 dB Beamwidth	30°	Correction Factor (Convert Relative to Absolute Gain) (dB)	103.20
		Reference Antenna Measured Input Power (dBm)	7.90
		EUT Conducted Output Power (dBm)	7.90
		Power Delta (Antenna Power-Output Power) (dB)	0.00



ABSOLUTE GAIN



End of Test Report