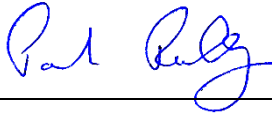


Test Report Num	26E12234c-1
Quotation	Q26-280710-1
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FCC Test Firm Registration	IE0002
Date	30 th Sept 2026
EUT Description	Breast Feeding Monitor
FCC ID	2BX7G-C01
Authorised by	Paul Reilly
Authorised Signature:	

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13. CEIL is an accredited test laboratory and relevant test reports are denoted by use of the accreditation logo. Where sections of the report are not covered by our scope, a statement on the report will be made to reflect this. When the accreditation logo is not used, the report is outside our scope accreditation.
14. In IEC standards measurement uncertainty is already incorporated into the specifications. Statements of conformity in the CEIL test report follow these decision rules: Pass – Results within the stated limit, Fail – Results outside the stated limit.
15. The test results presented in this report relate only to the object tested.

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CONTENTS

COMPLIANCE ENGINEERING IRELAND LTD TERMS AND CONDITIONS	2
1. Equipment Under Test (EUT)	4
1.1. Modifications	4
1.2. Date of Test.....	4
1.3. Environmental Conditions	4
2. Operation of E.U.T. During Testing	5
2.1. Operating Environment	5
2.2. Operating Mode:.....	5
2.3. Measurement Uncertainties	5
3. Test Setup	6
4 Results	7
4.1 Summary of Max EIRP for each orientation and polarisation	7
4.2 Normalised Scans for Radiation Test Patterns Frequency 2402 MHz.....	8
4.3 Normalised Scans for Radiation Test Patterns Frequency 2440 MHz.....	10
4.4 Normalised Scans for Radiation Test Patterns Frequency 2480 MHz.....	12
Appendix A Test Equipment Used:	14
Appendix B EUT Orientations	15

1. Equipment Under Test (EUT)

1.1 Identification of EUT

Manufacturer:	Coroflo
FCCID	2BX7G-C01

1.2 Description of E.U.T.

The product was a battery powered unit which contained a BLE Radio.
This report covers the BLE antenna radiation pattern test.

1.1. Modifications

There were no modifications on the EUT

1.2. Date of Test

The tests were carried out on the 30th Sept 2026 .

1.3. Environmental Conditions

	Temperature	Relative Humidity
Test	°C	%
Radiated Emissions <1GHz	20	39

2. Operation of E.U.T. During Testing

2.1. Operating Environment

The EUT was powered from its internal battery.
A new battery was used for the test.

2.2. Operating Mode:

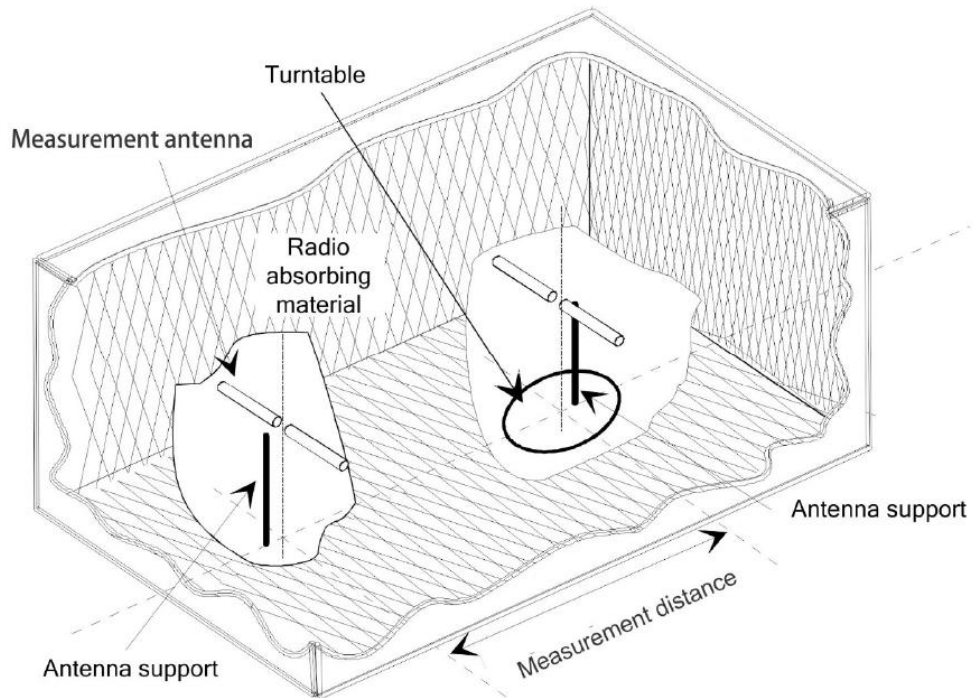
The EUT was operated in CW mode for radiation pattern testing.
The EUT operated on frequency 2402 MHz, 2440 MHz and 2480MHz.
Tests were performed with an RBW of 100 kHz on the analyser.
(EUT labelled "sample 1")

2.3. Measurement Uncertainties

Measurement	Uncertainty
Radio Frequency	+/- 5×10^{-7}
Radiated Emissions 30MHz to 300MHz	±4.1dB
Radiated Emissions 300MHz to 1GHz	±2.9 dB
Radiated Emissions 1GHz to 3GHz	±2.4 dB
Radiated Emissions 3GHz to 18GHz	±3.1 dB
Radiated Emissions 18GHz to 26GHz	±4.0 dB

The measurement uncertainties stated were calculated with a k=2 for a confidence level of 95.45%.

3. Test Setup



Measurements were performed in a fully anechoic chamber with the measuring antenna at 3 metres distant from the EUT which was positioned at a height of 1.5metres.

4 Results

4.1 Summary of Max EIRP for each orientation and polarisation

Power setting in Firmware = +2dBm

2402 MHz	2440 MHz	2480 MHz	Polarisation	Orientation
Max EIRP dBm	Max EIRP dBm	Max EIRP dBm	V/H	O1/O2/O3
-5.11	-3.34	0.28	V	O1
-0.14	0.83	0.32	V	O2
-6.52	-6.12	-5.12	V	O3
-0.25	0	-0.27	H	O1
-4.74	-5.9	-4.3	H	O2
-0.23	0	0.54	H	O3

EIRP dBm = field strength in dBuV/m -95.2 dB

EUT Antenna gain

Freq	Conducted Measurement	Max Radiated Measurement	Test Antenna Polarisation	EUT Antenna Gain
MHz	dBm	dBm	V/H	dBi
2402	-1.02	-0.14	V	0.9
2402	-1.02	-0.22	H	0.8
2440	-1.25	0.83	V	2.1
2440	-1.25	0	H	1.3
2480	-1.49	0.32	V	1.8
2480	-1.49	0.54	H	2

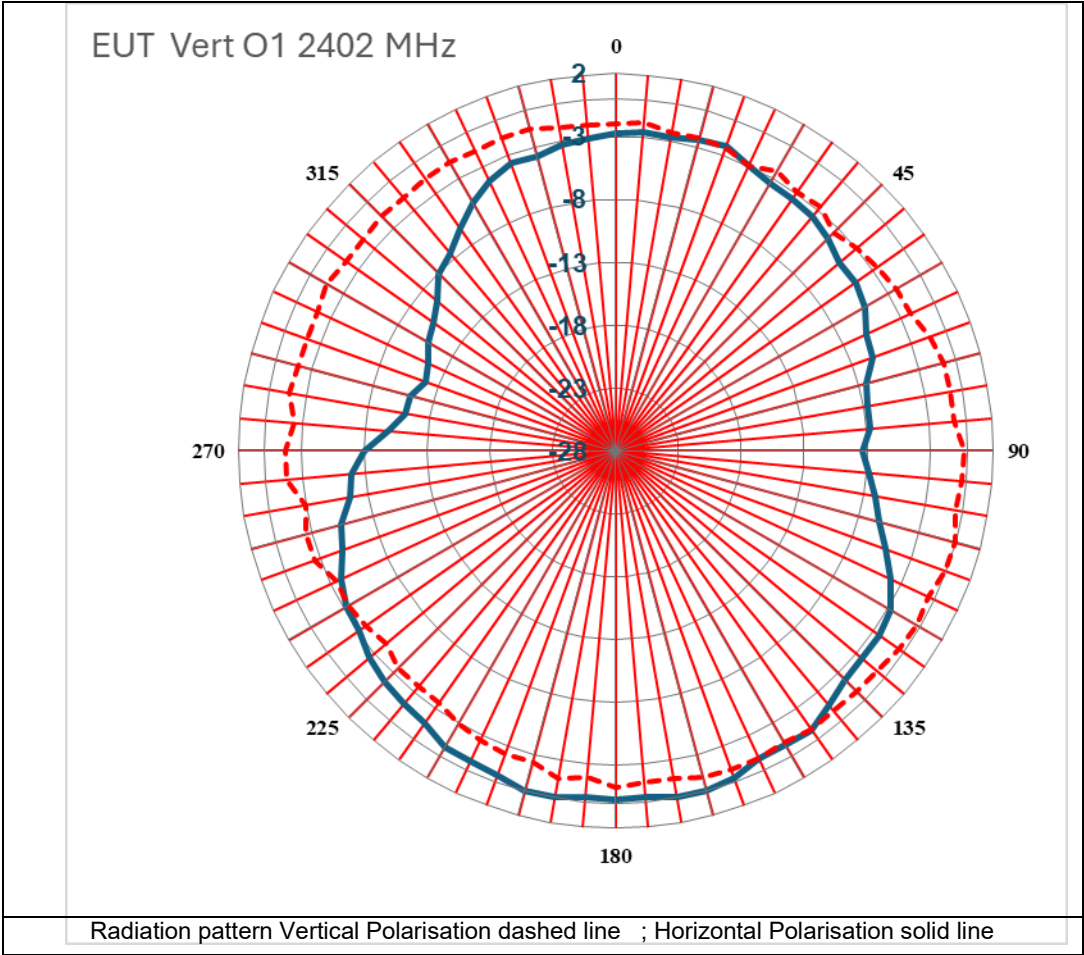
EUT Antenna gain = radiated measurement minus conducted measurement

Max Antenna gain = 2.1 dBi

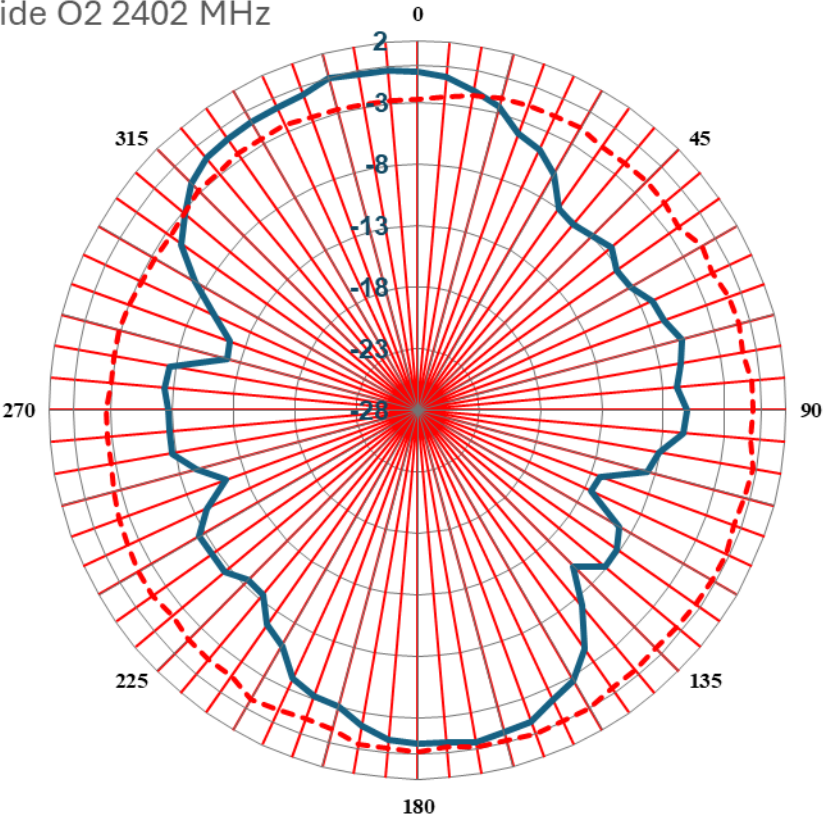
Ref Appendix B for EUT Orientations

Note the normalised scans on the following pages use the max EIRP as the 0 dB reference.

4.2 Normalised Scans for Radiation Test Patterns Frequency 2402 MHz

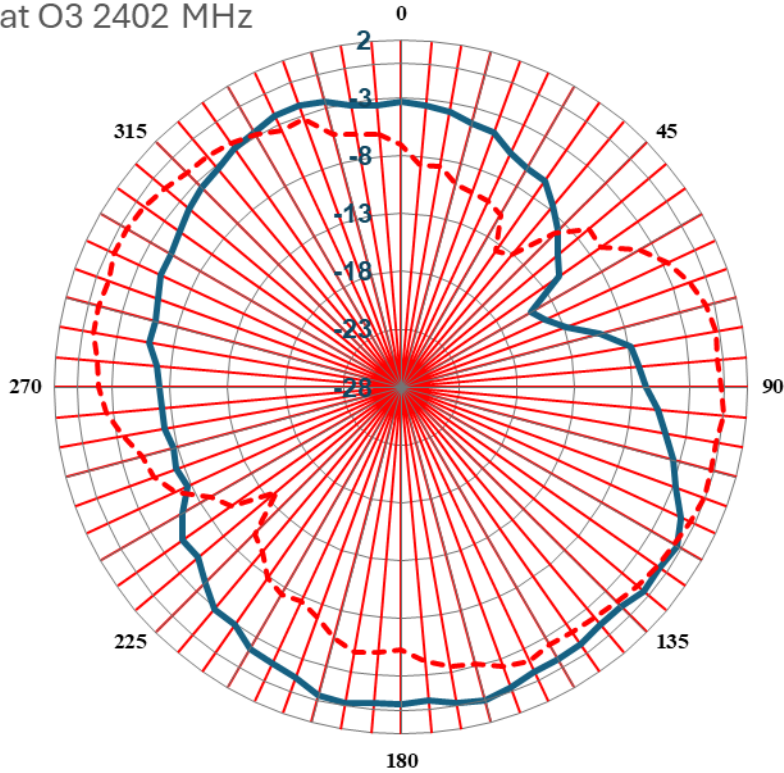


EUT Side O2 2402 MHz



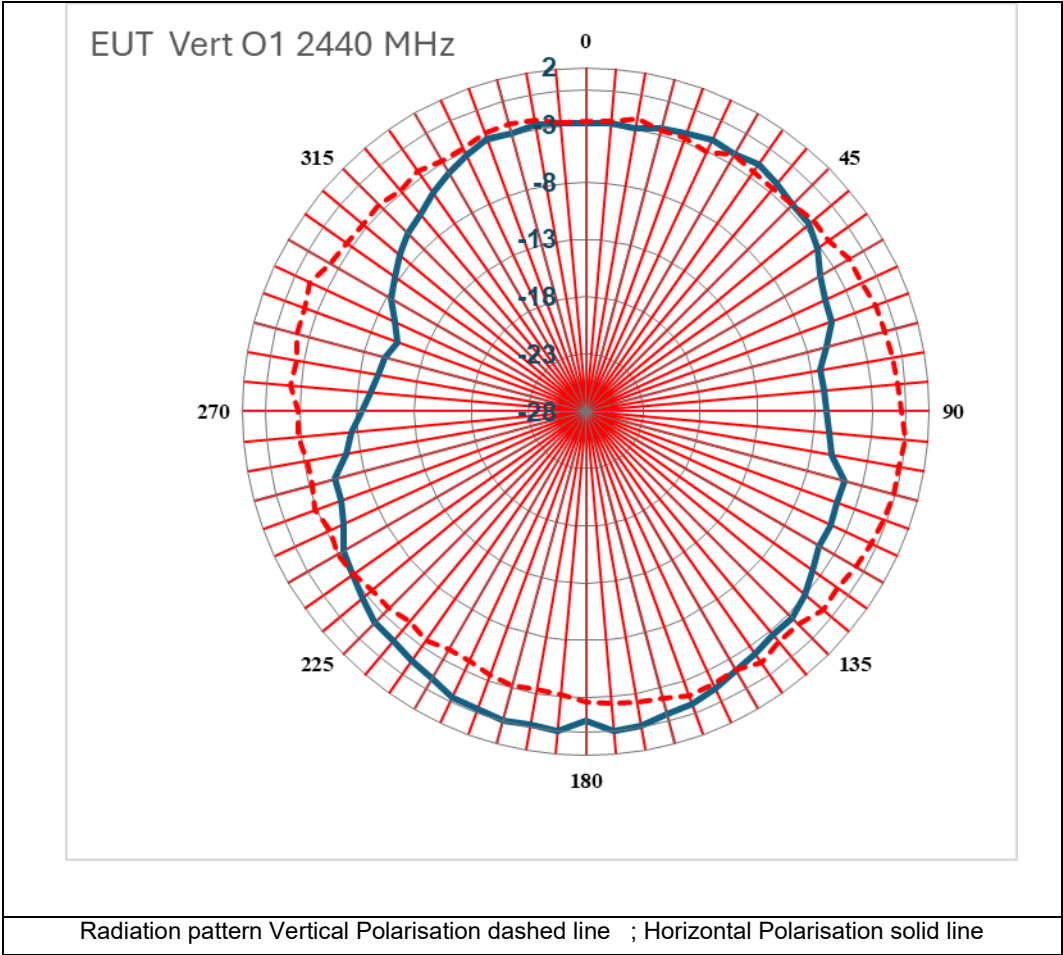
Radiation pattern Vertical Polarisation dashed line ; Horizontal Polarisation solid line

EUT Flat O3 2402 MHz

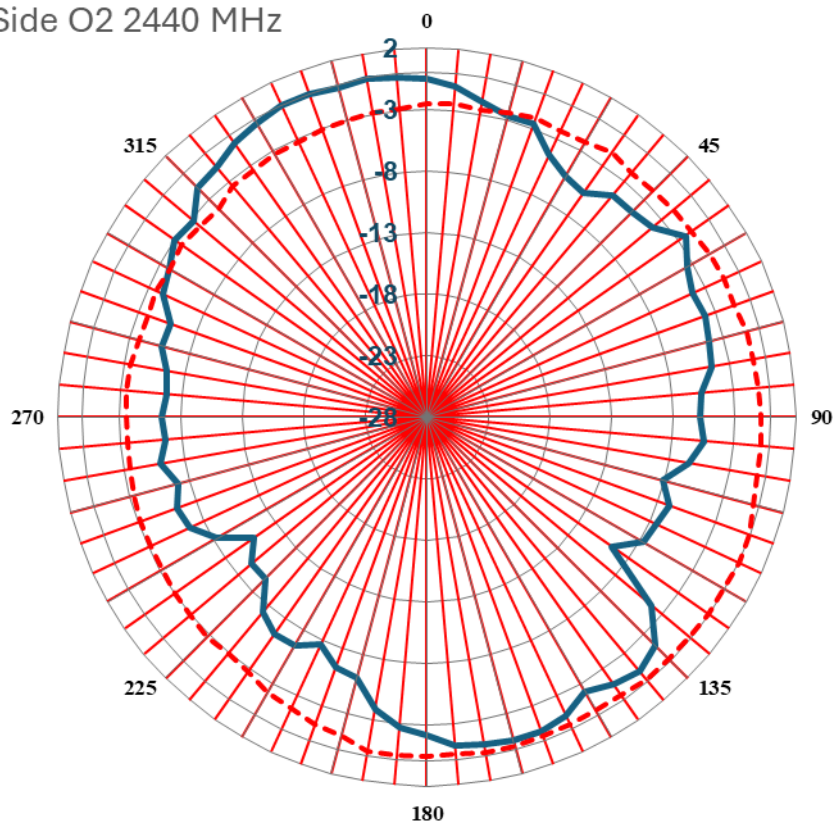


Radiation pattern Vertical Polarisation dashed line ; Horizontal Polarisation solid line

4.3 Normalised Scans for Radiation Test Patterns Frequency 2440 MHz

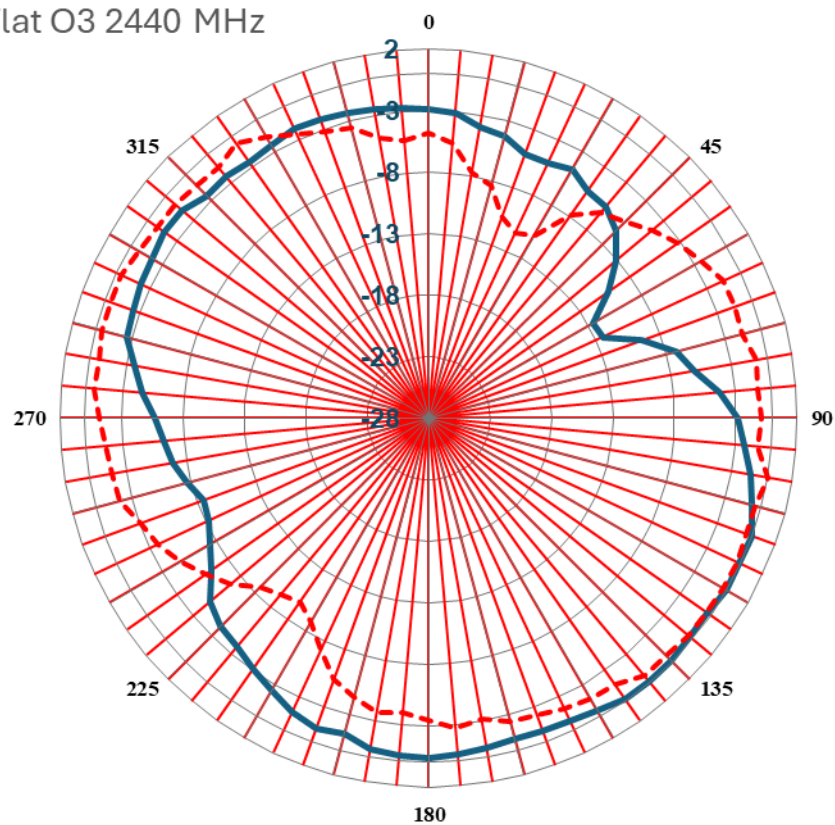


EUT Side O2 2440 MHz

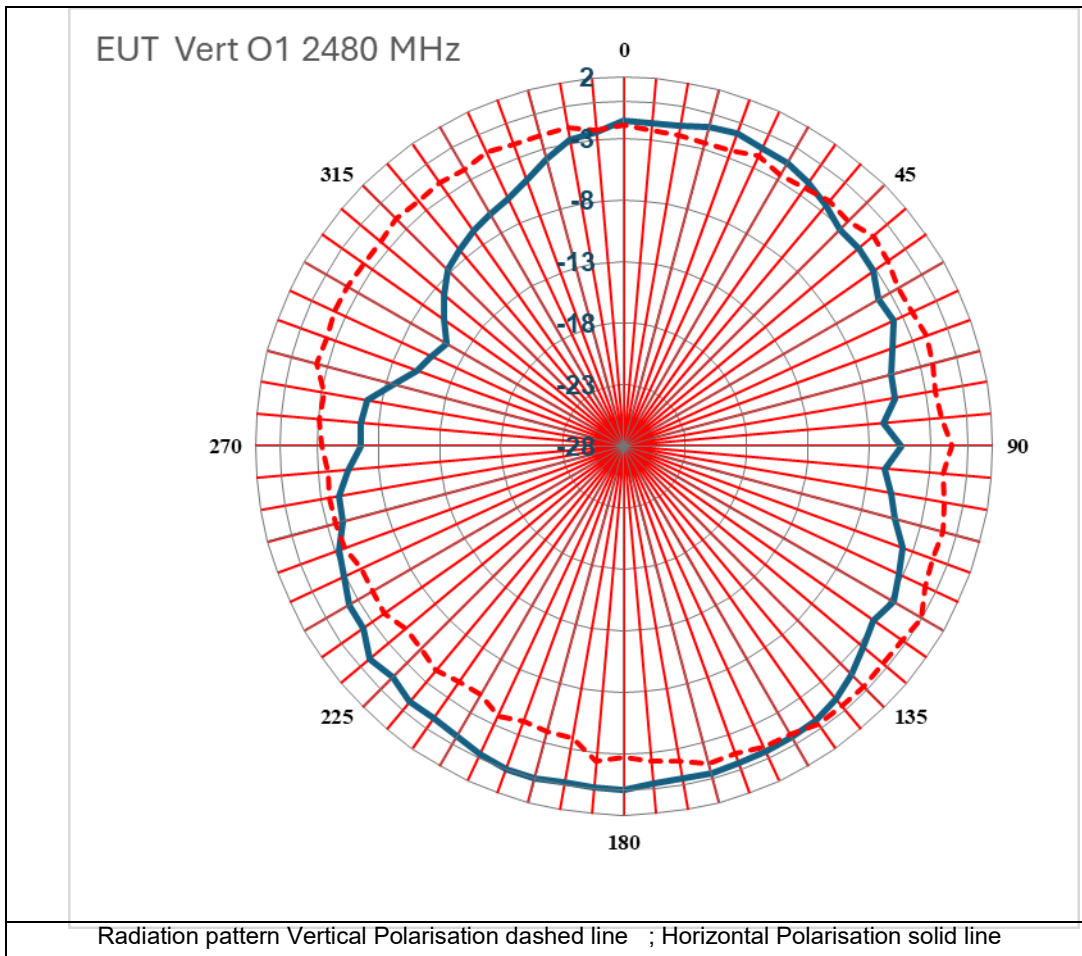


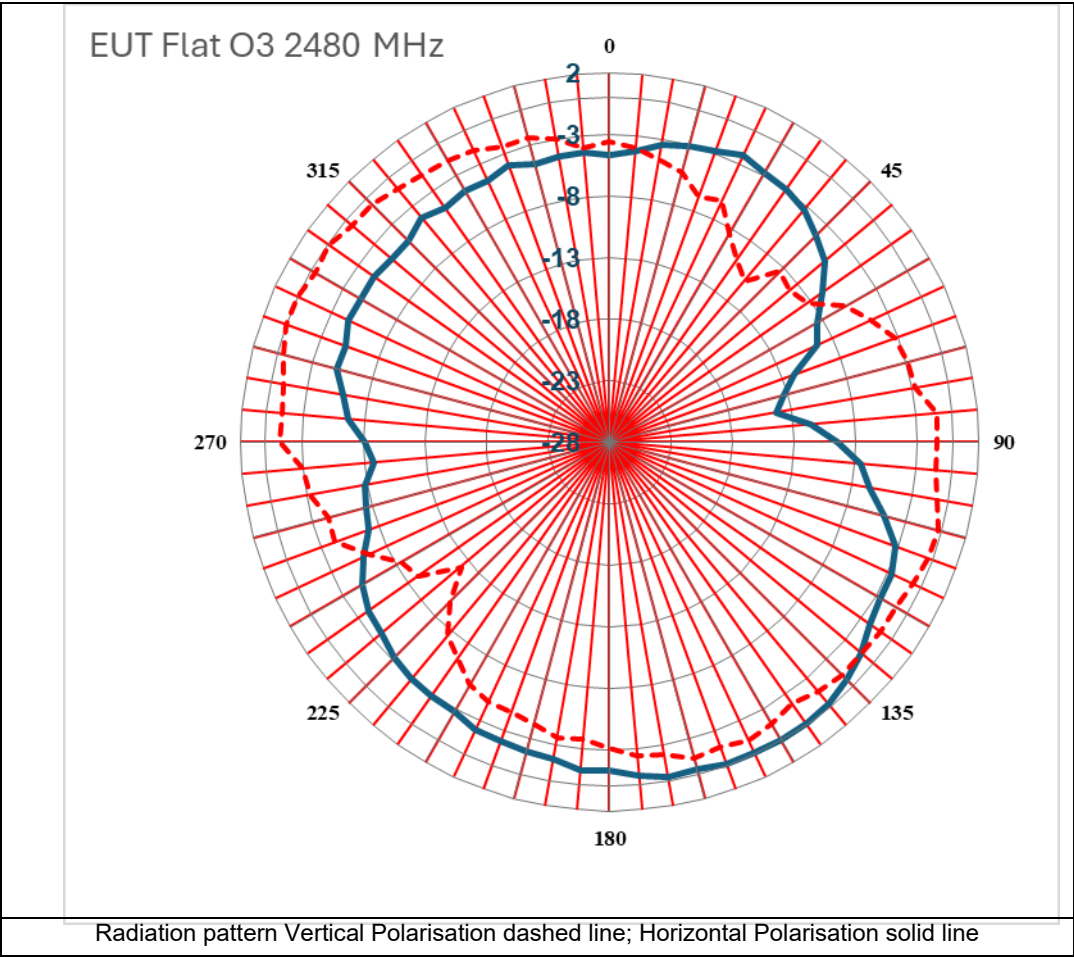
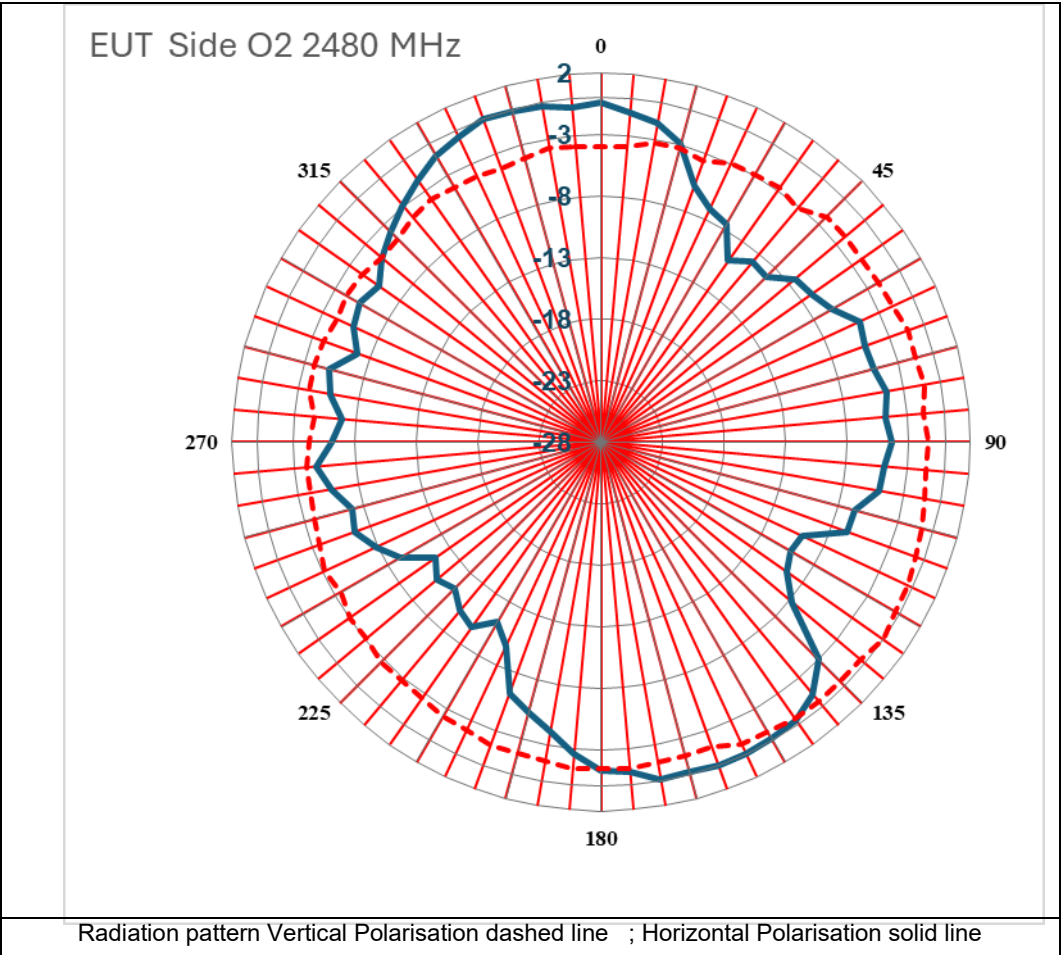
Radiation pattern Vertical Polarisation dashed line ; Horizontal Polarisation solid line

EUT Flat O3 2440 MHz



Radiation pattern Vertical Polarisation dashed line ; Horizontal Polarisation solid line

4.4 Normalised Scans for Radiation Test Patterns Frequency 2480 MHz



Appendix A Test Equipment Used:

Asset num	Description	Manufacturer	Model	Serial Num	Last cal	Cal interval	Cal due
869	Receiver 10Hz to 3.6GHz	Rohde and Schwarz	ESR	101625	22-Jul-26	36	22-Jul-29
655	Antenna Horn 18GHz EMCO 3115	EMCO	3115	9905-5809	13-Mar-25	36	13-Mar-28
906	Chamber Fully Anechoic	CEI	FAR 3M	906	08-Aug-25	36	08-Aug-28
914	Cable SMA 10m			914	10-Aug-26	12	10-Aug-27
853	Cable SMA to N-type 1.5m			853	10-Aug-26	12	10-Aug-27

Appendix B EUT Orientations



Fig C1: EUT Orientation O1



Fig C2: EUT Orientation O2



Fig C3: EUT Orientation O3

End of Report