

Antenna Test Report

Manufacturer: Future Cardia.

Part Number: PRT-0004-02



In accordance with FCC antenna information requirements

Prepared for: Future Cardia.
910 Woodbridge Ct
Safety Harbor, Florida 34695 USA

FCC Exhibit Report

Document 0721017157 Issue 02

SIGNATURE			
			
NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Ferdinand S. Custodio	Senior EMC Test Engineer/Wireless Team Lead	Authorized Signatory	February 09, 2026

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD document control rules.

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1 Report Summary

1.1 Report Modification Record

Alterations and additions to this report will be issued to the holders of each copy in the form of a complete document.

Issue	Description of Change	Date of Issue
01	First version	01-30-2026
02	Formatting Error	02-09-2026

Table 1

1.2 Introduction

Applicant	Future Cardia
Manufacturer	Future Cardia
Part Number	PRT-0004-02
Antenna Type	Lead Frame Antenna
Antenna Gain	-9.61dBi
Host Information	Model FC-MX2 / SN FC25284
Order Number	0721017157
Date	02-February-2026
Date of Receipt of EUT	29-January-2026
Start of Test	29-January-2026
Finish of Test	29-January-2026
Name of Engineer(s)	Miguel Angel Rabago Garcia



1.3 Product Information

1.3.1 Technical Description

The EUT is an Insertable Cardiac Monitor System (ICM). Insertable cardiac monitors (ICMs) are implanted under the skin on the left side of a patient's chest to provide continuous long-term heart rhythm monitoring and identify or exclude arrhythmias as the cause of symptoms. The EUT includes a Bluetooth Low Energy (BLE) radio.

1.3.2 Test Configuration

The EUT (Equipment Under Test) was configured to operate in a continuous transmission mode @ 0 dBm to evaluate the antenna radiation patterns. To ensure consistency across the technical documentation, the device was tested on Low (2402 MHz) Middle (2440 MHz) and High (2480 MHz) channels. The unit's internal power settings and software configurations were maintained exactly as specified during the Radiated Spurious Emissions and Conducted Output Power testing according to the manufacturer and (NC721005002.4 Issued February 2026 by TÜV SÜD America). No modifications were made to the power levels or the operational firmware between these test cases to ensure the radiation pattern results are representative of the device's standard performance.

1.4 Test Location

TÜV SÜD conducted the following tests at our San Diego Test Laboratory.

Test Name	Name of Engineer(s)	Accreditation
Configuration and Mode: Model FC-MX2 / TX Mode		
2D Antenna Pattern	Miguel Angel Rabago Garcia	N/A

Table 2

Laboratory Address: 16936 Via Del Campo,
San Diego, CA 92127

2 Test Details

2.1 2D Antenna Pattern

2.1.1 Host Equipment Under Test and Modification State

Host Model FC-MX2 / SN FC25284

2.1.2 Date of Test

29-January-2026

2.1.3 EUT orientations used for verifications

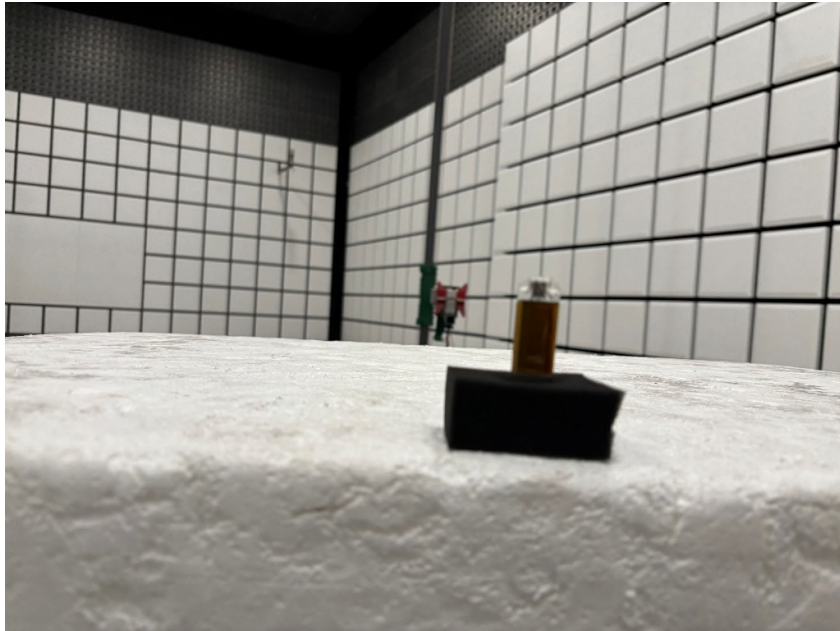


Figure 1 Device Antenna Up



Figure 2 Device Antenna Vertical

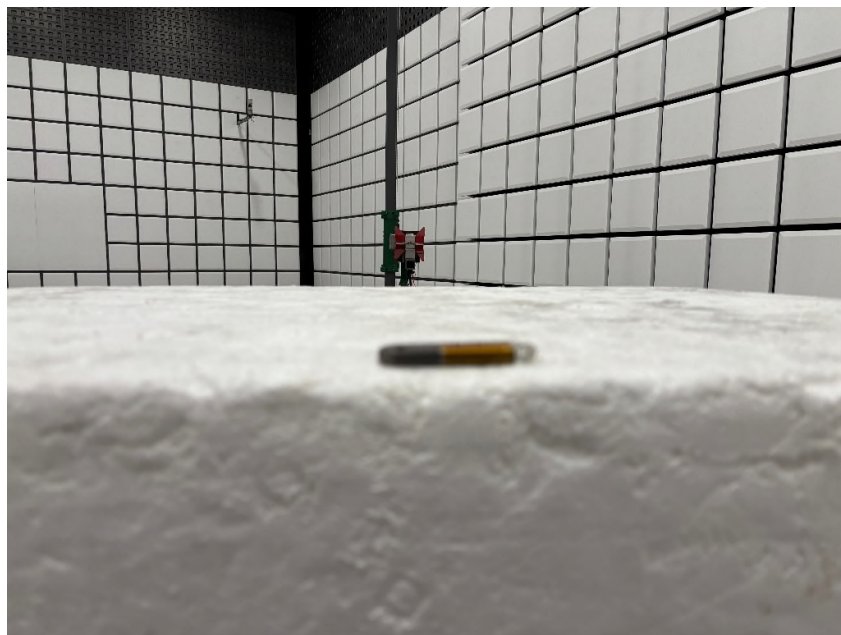


Figure 3 Device Antenna Horizontal

2.1.4 Test Setup Photos

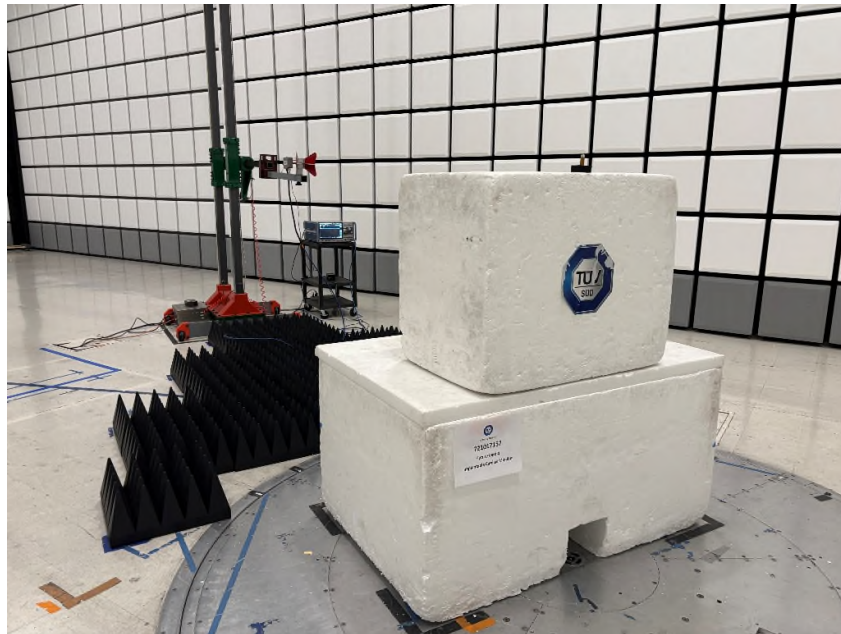


Figure 4 Antenna Pattern Test at 3 meters back view

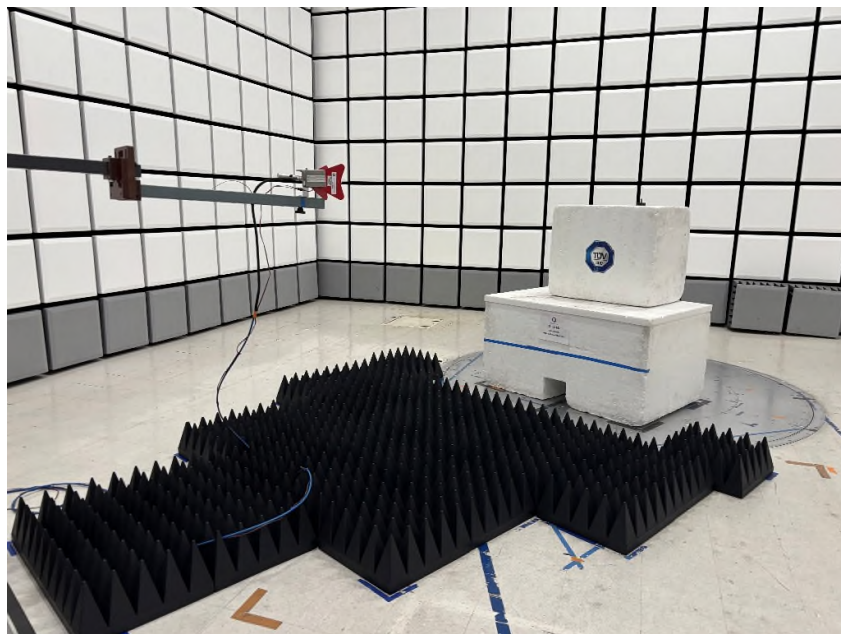


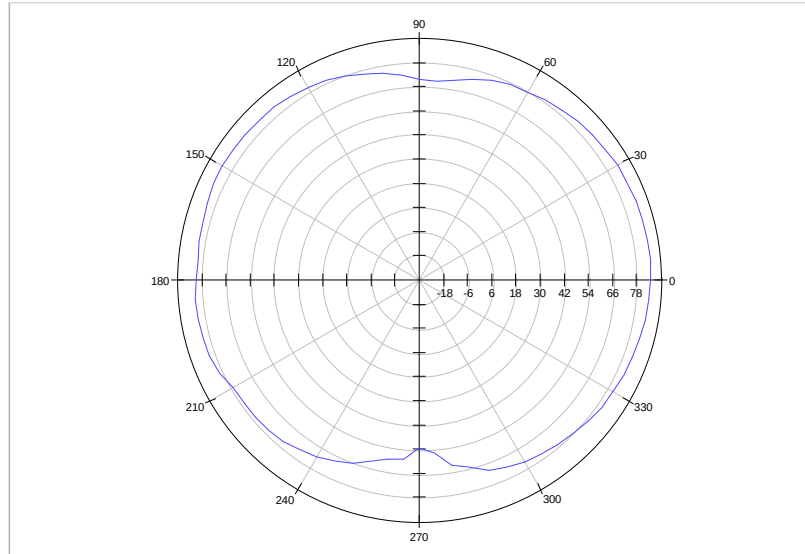
Figure 5 Antenna Pattern Test at 3 meters Front view

2.1.5 Environmental Conditions

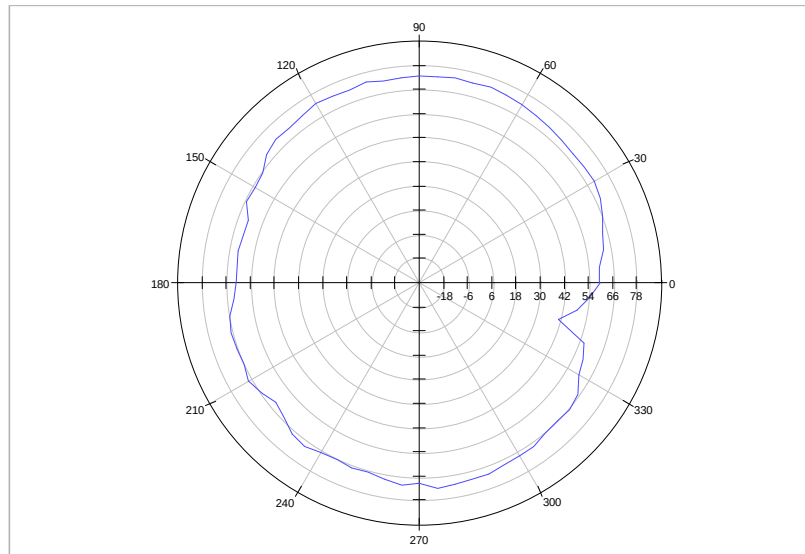
Ambient Temperature 22 °C
Relative Humidity 20.9 %

2.1.6 Antenna Pattern (Device Antenna Vertical- Low Channel (2402 MHz))

Azimuth Chart: Horizontal



Azimuth Chart: Vertical



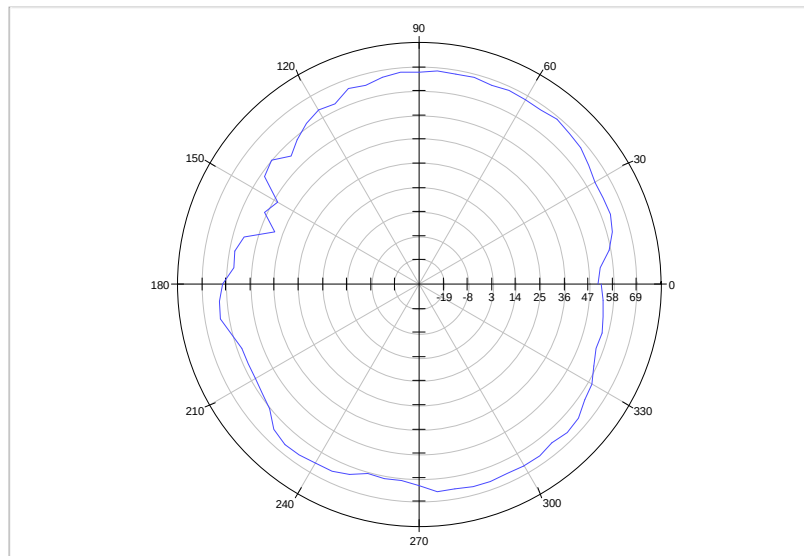


Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	59.70	84.99
5.0	60.04	85.11
10.0	62.78	85.16
15.0	64.41	84.95
20.0	66.77	84.60
25.0	69.04	84.16
30.0	70.26	83.76
35.0	69.82	83.01
40.0	69.71	82.15
45.0	70.16	81.13
50.0	70.77	80.13
55.0	71.26	79.02
60.0	71.95	77.73
65.0	72.52	76.90
70.0	73.41	75.43
75.0	72.76	73.08
80.0	73.50	70.89
85.0	72.49	69.03
90.0	72.79	69.74
95.0	72.15	71.94
100.0	71.73	74.36
105.0	73.02	75.92
110.0	71.58	77.92
115.0	72.24	79.21
120.0	72.49	80.18
125.0	71.08	81.29
130.0	70.39	82.07
135.0	70.91	82.45
140.0	68.83	82.66
145.0	64.70	82.88
150.0	64.16	83.12
155.0	64.78	82.82
160.0	60.34	81.82
165.0	60.79	81.31
170.0	61.62	80.85
175.0	60.78	80.48
180.0	61.02	81.07
185.0	62.62	81.68
190.0	65.54	81.58
195.0	66.73	81.22
200.0	66.12	80.69
205.0	66.12	79.17
210.0	67.79	77.05
215.0	65.56	76.39
220.0	62.73	76.09
225.0	65.17	75.72
230.0	68.01	74.84
235.0	69.09	73.24
240.0	67.29	71.66
245.0	66.84	69.15
250.0	68.03	66.76
255.0	67.60	63.10
260.0	69.04	60.56
265.0	70.98	59.35
270.0	69.90	53.18
275.0	72.60	56.13
280.0	71.59	63.30
285.0	71.27	66.50
290.0	71.12	70.45
295.0	70.01	72.56
300.0	69.21	74.40
305.0	69.20	75.82
310.0	67.53	77.09

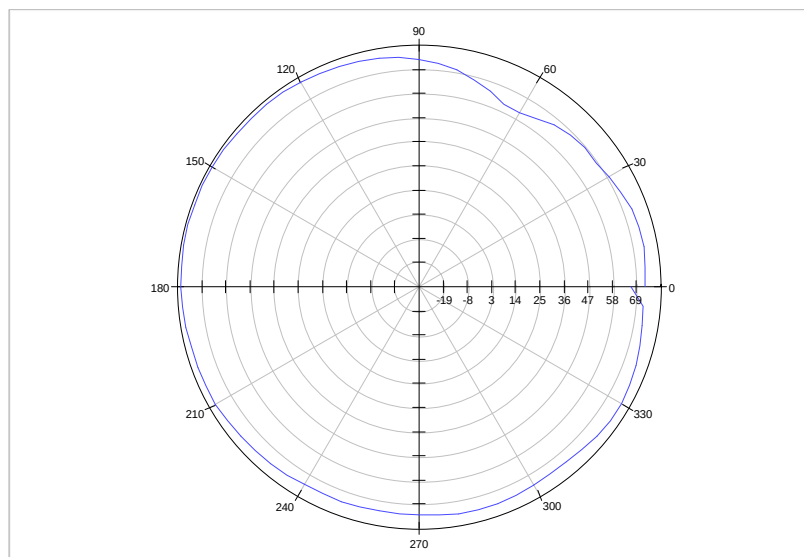
315.0	67.00	78.19
320.0	67.80	79.49
325.0	66.19	80.61
330.0	61.72	81.26
335.0	59.99	82.00
340.0	57.38	82.77
345.0	41.63	83.37
350.0	49.71	83.98
355.0	54.92	84.54
360.0	59.88	84.88

2.1.7 Antenna Pattern (Device Antenna Vertical– Middle Channel (2440 MHz))

Azimuth Chart: Vertical



Azimuth Chart: Horizontal

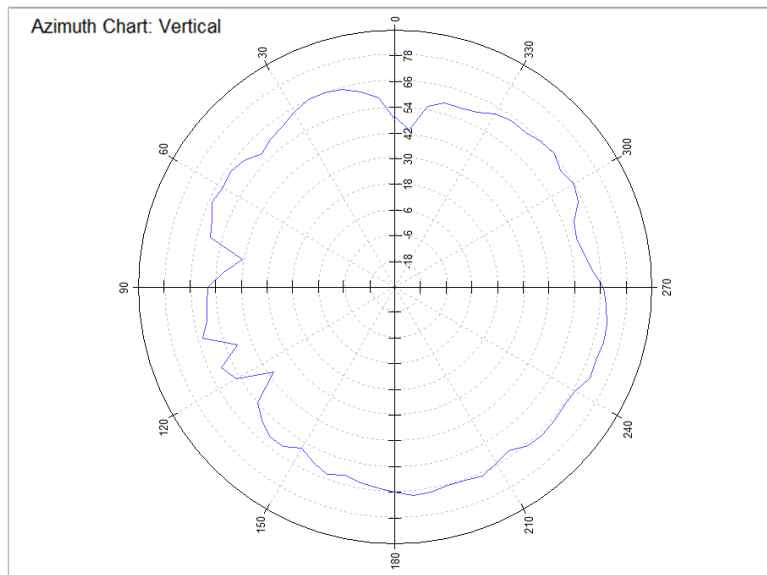
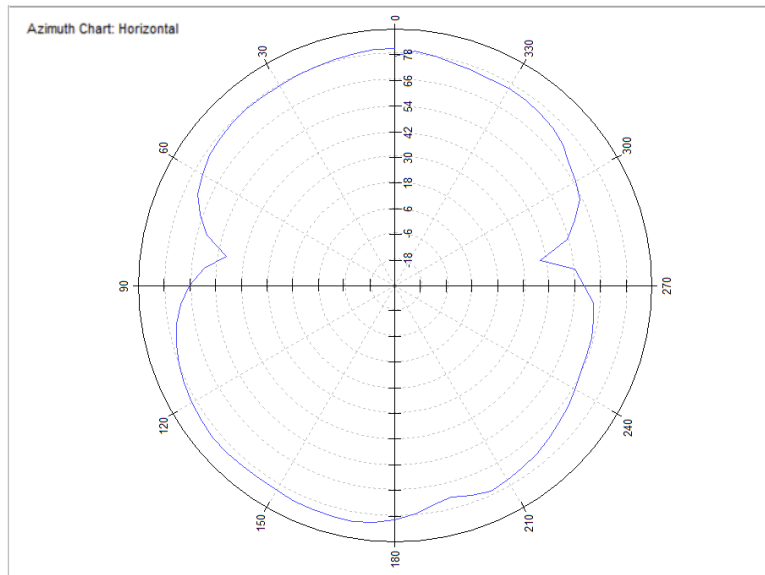




Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	51.74	72.99
5.0	52.94	73.52
10.0	58.20	74.13
15.0	61.23	73.82
20.0	63.00	72.99
25.0	62.62	71.45
30.0	62.37	69.93
35.0	64.62	68.65
40.0	66.26	68.41
45.0	66.66	67.62
50.0	67.83	65.96
55.0	66.60	63.58
60.0	66.87	61.66
65.0	67.00	61.77
70.0	66.18	64.90
75.0	67.25	67.69
80.0	67.12	70.15
85.0	67.53	71.90
90.0	66.51	73.48
95.0	66.67	74.79
100.0	65.45	75.36
105.0	63.62	76.11
110.0	64.62	76.53
115.0	60.73	77.14
120.0	61.55	77.42
125.0	59.55	77.95
130.0	55.98	78.17
135.0	52.29	78.20
140.0	57.44	78.27
145.0	55.68	78.61
150.0	44.38	78.81
155.0	47.54	78.81
160.0	39.92	78.74
165.0	52.49	79.10
170.0	55.10	78.83
175.0	54.64	78.36
180.0	59.64	78.40
185.0	61.43	78.12
190.0	61.60	77.68
195.0	58.09	77.26
200.0	55.87	77.15
205.0	55.71	77.19
210.0	55.87	77.11
215.0	56.92	76.35
220.0	58.56	75.66
225.0	63.54	75.35
230.0	65.34	75.15
235.0	64.96	74.79
240.0	64.13	74.11
245.0	64.06	73.99
250.0	62.02	74.06
255.0	59.15	73.95
260.0	60.10	73.77
265.0	59.99	74.09
270.0	61.65	73.91
275.0	65.17	74.51
280.0	64.73	74.87
285.0	65.65	74.98
290.0	65.60	75.05
295.0	65.37	74.70
300.0	65.55	74.34
305.0	65.61	74.25
310.0	64.35	74.28

315.0	65.66	74.61
320.0	64.66	75.60
325.0	62.01	76.13
330.0	61.19	76.43
335.0	57.93	76.16
340.0	55.92	75.19
345.0	56.49	74.01
350.0	55.41	73.04
355.0	54.16	72.40
360.0	52.86	66.39

2.1.8 Antenna Pattern (Device Antenna Vertical– High Channel (2480 MHz))



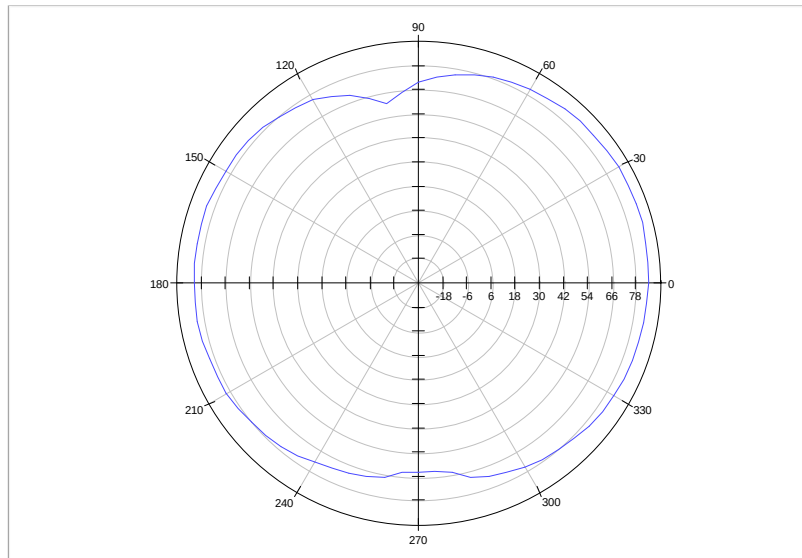


Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	48.64	80.80
5.0	58.63	80.82
10.0	62.53	80.14
15.0	65.18	79.52
20.0	66.45	78.80
25.0	66.64	78.42
30.0	64.56	78.01
35.0	61.78	78.00
40.0	60.15	77.81
45.0	58.27	77.48
50.0	61.79	76.99
55.0	64.26	75.95
60.0	62.97	73.86
65.0	64.14	71.43
70.0	60.86	67.10
75.0	59.34	60.82
80.0	42.50	50.09
85.0	50.11	59.63
90.0	57.56	66.61
95.0	58.14	70.36
100.0	59.19	73.68
105.0	62.97	75.77
110.0	48.48	77.35
115.0	59.51	78.73
120.0	55.89	79.65
125.0	39.46	80.21
130.0	53.90	80.86
135.0	58.13	81.04
140.0	61.41	80.63
145.0	61.27	80.38
150.0	56.52	80.93
155.0	60.61	81.36
160.0	63.10	81.54
165.0	60.88	82.13
170.0	62.88	82.19
175.0	64.61	81.28
180.0	65.94	79.55
185.0	67.79	77.25
190.0	67.48	74.22
195.0	65.75	72.88
200.0	65.87	74.67
205.0	67.38	76.10
210.0	65.08	75.05
215.0	63.30	73.72
220.0	66.88	72.83
225.0	67.74	71.63
230.0	67.18	70.20
235.0	66.63	68.84
240.0	67.24	67.14
245.0	70.37	66.02
250.0	69.89	65.57
255.0	70.95	65.61
260.0	70.59	63.82
265.0	69.21	62.81
270.0	67.12	58.40
275.0	62.66	54.58
280.0	59.87	39.14
285.0	58.04	53.37
290.0	59.12	59.26
295.0	64.38	65.25
300.0	66.83	67.62
305.0	64.76	69.42
310.0	67.18	72.21

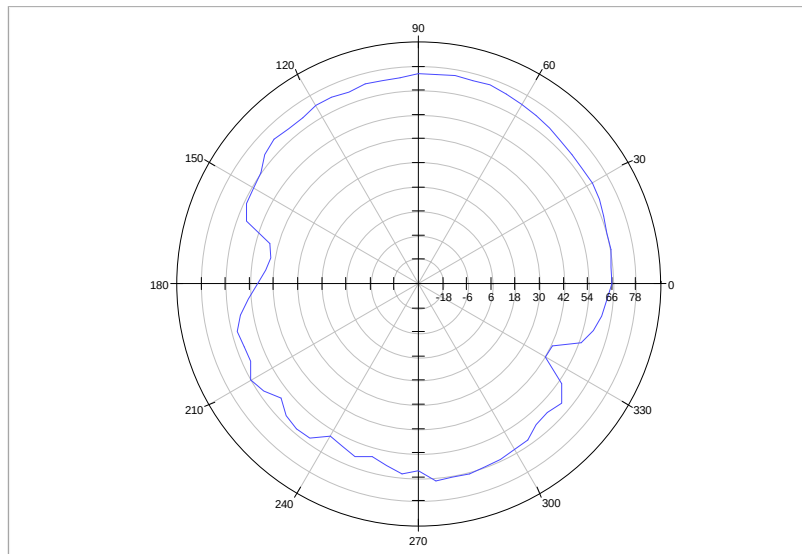
315.0	66.26	74.09
320.0	64.61	75.25
325.0	64.70	76.27
330.0	63.35	76.55
335.0	60.30	76.41
340.0	59.22	76.87
345.0	59.16	77.65
350.0	55.92	79.03
355.0	43.54	80.06
360.0	49.70	77.16

2.1.9 Antenna Pattern (Device Antenna Horizontal – Low Channel (2402MHz))

Azimuth Chart: Horizontal



Azimuth Chart: Vertical



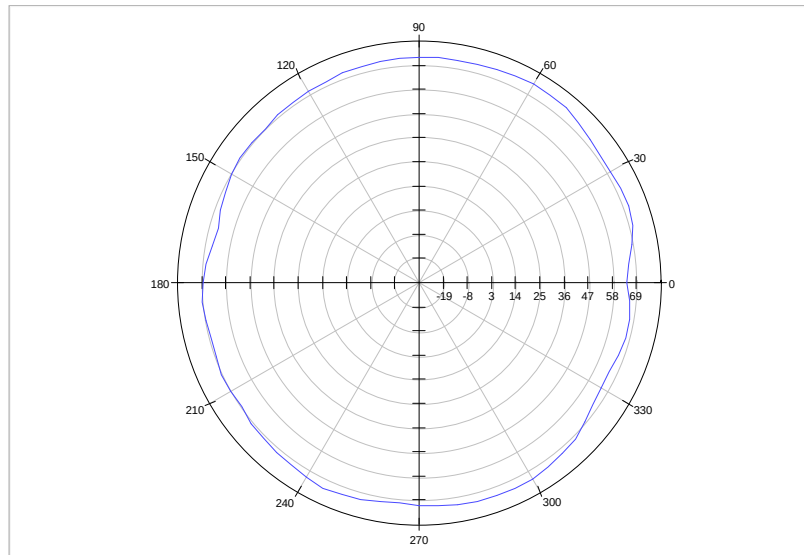


Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	66.19	84.34
5.0	66.14	84.56
10.0	67.05	84.86
15.0	67.11	85.03
20.0	68.18	85.02
25.0	69.22	84.89
30.0	70.09	84.80
35.0	69.38	84.43
40.0	69.28	83.82
45.0	70.26	83.41
50.0	71.15	82.79
55.0	71.95	81.83
60.0	72.67	80.87
65.0	74.03	79.94
70.0	74.71	78.85
75.0	74.29	77.08
80.0	74.84	75.06
85.0	73.89	72.72
90.0	74.23	69.58
95.0	72.80	64.75
100.0	72.45	60.33
105.0	72.86	64.50
110.0	71.34	69.08
115.0	72.01	72.30
120.0	72.05	74.98
125.0	70.48	76.03
130.0	70.29	77.69
135.0	71.13	79.04
140.0	69.78	79.99
145.0	65.32	80.45
150.0	64.26	80.42
155.0	64.11	81.09
160.0	60.71	81.74
165.0	46.19	81.43
170.0	44.10	81.76
175.0	46.12	81.90
180.0	49.95	81.51
185.0	54.66	81.32
190.0	59.90	81.31
195.0	63.32	81.03
200.0	61.82	80.33
205.0	61.77	80.14
210.0	66.06	80.30
215.0	63.42	79.17
220.0	58.76	77.95
225.0	62.98	77.06
230.0	64.27	76.06
235.0	63.62	74.80
240.0	57.74	73.03
245.0	59.43	71.59
250.0	61.46	70.38
255.0	58.87	69.42
260.0	61.67	67.87
265.0	64.93	64.60
270.0	62.95	64.01
275.0	68.27	63.94
280.0	67.46	65.70
285.0	67.79	69.87
290.0	66.98	72.17
295.0	66.32	73.75
300.0	65.29	75.61
305.0	65.18	77.13
310.0	61.36	78.32

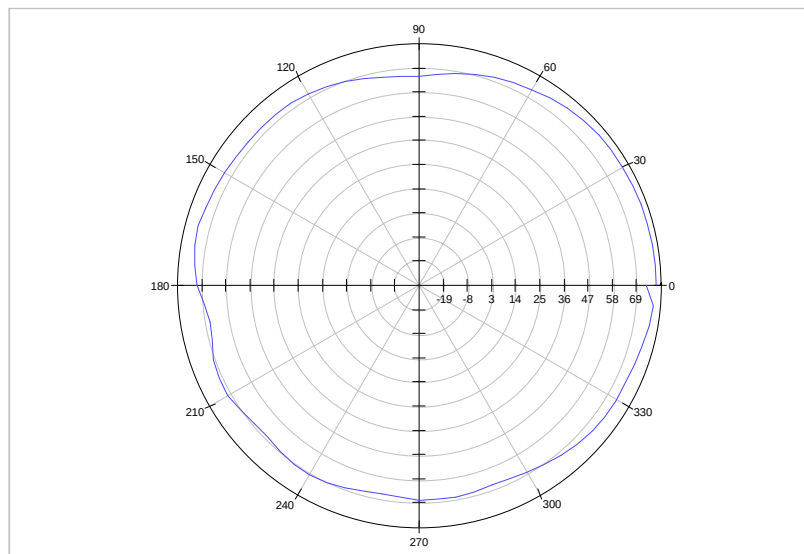
315.0	60.69	79.49
320.0	62.72	80.84
325.0	57.17	81.52
330.0	42.91	81.97
335.0	43.67	82.55
340.0	56.09	82.89
345.0	59.82	83.20
350.0	62.67	83.63
355.0	63.91	83.99
360.0	66.26	84.28

2.1.10 Antenna Pattern (Device Antenna Vertical– Middle Channel (2440 MHz))

Azimuth Chart: Vertical



Azimuth Chart: Horizontal

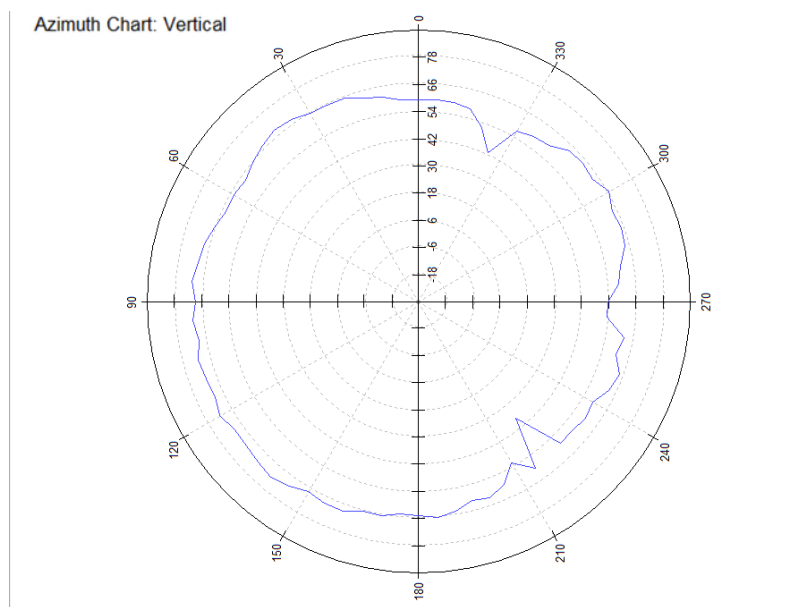
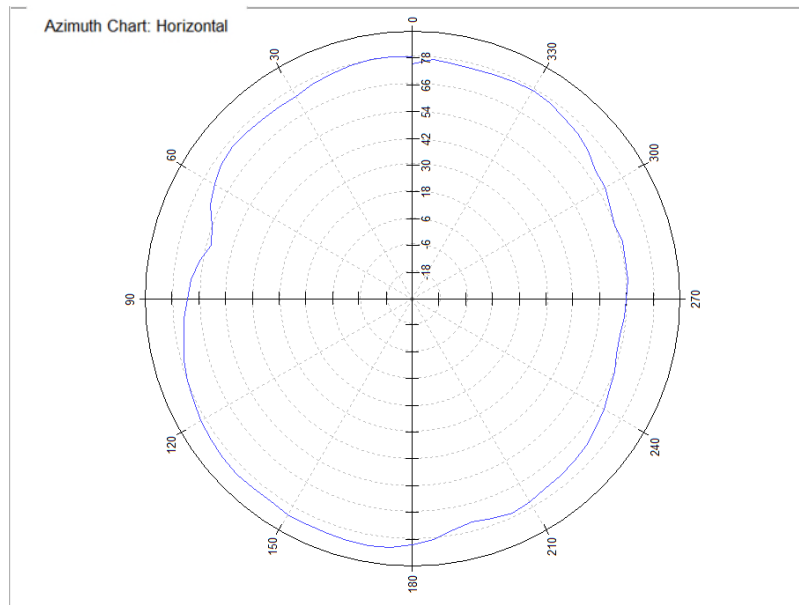




Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	64.49	78.03
5.0	65.86	78.08
10.0	68.53	78.02
15.0	70.61	77.71
20.0	71.76	77.50
25.0	71.51	77.39
30.0	70.70	77.26
35.0	70.52	77.08
40.0	71.44	76.80
45.0	72.96	76.10
50.0	74.24	75.21
55.0	74.39	73.93
60.0	74.49	72.66
65.0	74.14	71.71
70.0	73.31	70.72
75.0	72.92	69.48
80.0	72.72	67.93
85.0	72.84	66.48
90.0	72.67	65.13
95.0	72.47	65.27
100.0	72.24	66.03
105.0	71.61	67.52
110.0	71.53	68.53
115.0	70.85	69.70
120.0	70.47	70.63
125.0	70.06	71.33
130.0	69.85	71.68
135.0	68.97	71.67
140.0	69.46	71.54
145.0	69.46	71.67
150.0	68.39	72.19
155.0	66.95	73.01
160.0	66.08	73.16
165.0	64.74	74.09
170.0	65.66	73.80
175.0	67.31	72.34
180.0	68.37	71.03
185.0	68.98	68.47
190.0	68.30	66.37
195.0	67.72	67.58
200.0	68.15	69.50
205.0	69.17	70.33
210.0	69.14	70.45
215.0	68.71	69.24
220.0	69.72	67.90
225.0	70.41	67.76
230.0	71.01	68.77
235.0	71.43	69.37
240.0	72.48	69.56
245.0	73.28	69.10
250.0	72.73	67.97
255.0	72.23	67.14
260.0	71.46	66.56
265.0	70.68	66.66
270.0	71.52	67.75
275.0	72.17	67.73
280.0	72.74	67.85
285.0	73.33	67.38
290.0	73.41	66.59
295.0	73.44	67.40
300.0	73.31	68.24
305.0	72.27	69.35
310.0	71.52	70.76

315.0	70.53	72.15
320.0	68.72	73.14
325.0	66.62	73.72
330.0	65.96	74.04
335.0	65.64	74.00
340.0	66.67	74.48
345.0	67.46	75.38
350.0	67.49	76.48
355.0	66.24	77.28
360.0	64.61	73.37

2.1.11 Antenna Pattern (Device Antenna Horizontal – High Channel (2480 MHz))



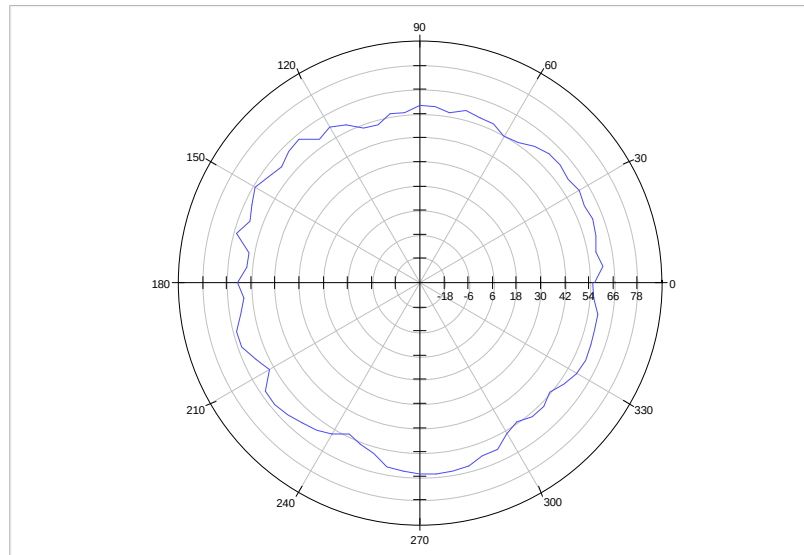


Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	59.37	78.79
5.0	59.65	79.16
10.0	61.54	78.83
15.0	63.15	78.31
20.0	65.56	77.22
25.0	65.92	76.23
30.0	66.27	74.94
35.0	68.12	74.80
40.0	68.94	75.02
45.0	67.63	75.30
50.0	65.59	75.57
55.0	63.45	74.82
60.0	64.64	72.58
65.0	63.87	69.90
70.0	65.98	65.30
75.0	67.78	63.52
80.0	68.72	66.69
85.0	70.39	69.58
90.0	68.94	71.08
95.0	70.19	72.75
100.0	68.45	74.18
105.0	70.54	75.92
110.0	70.00	77.39
115.0	69.04	78.58
120.0	71.21	79.53
125.0	69.19	80.32
130.0	69.42	81.00
135.0	70.00	81.30
140.0	71.09	81.00
145.0	69.66	80.93
150.0	67.34	81.63
155.0	68.52	81.98
160.0	68.61	81.93
165.0	65.72	82.50
170.0	66.05	82.58
175.0	64.55	81.78
180.0	64.45	80.44
185.0	65.59	78.62
190.0	64.24	75.66
195.0	60.85	73.59
200.0	62.65	74.88
205.0	59.24	76.44
210.0	52.22	75.44
215.0	59.70	73.98
220.0	37.05	73.42
225.0	59.06	72.73
230.0	59.08	71.88
235.0	60.09	70.71
240.0	58.72	69.20
245.0	62.80	67.31
250.0	64.48	66.39
255.0	60.57	64.82
260.0	62.03	64.60
265.0	53.32	65.39
270.0	53.49	66.05
275.0	58.50	67.05
280.0	60.51	66.69
285.0	64.16	67.95
290.0	65.33	66.67
295.0	64.11	67.77
300.0	66.96	69.84
305.0	64.27	70.50
310.0	65.15	72.69

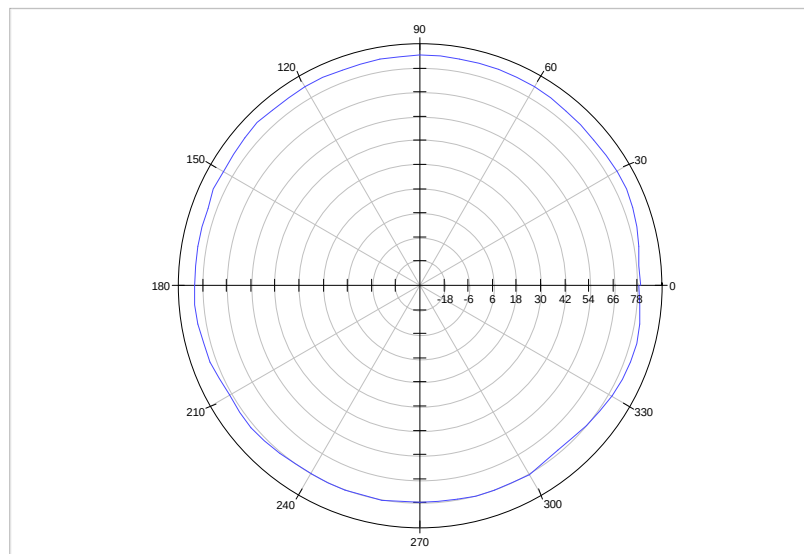
315.0	63.88	74.91
320.0	60.01	76.13
325.0	58.57	77.33
330.0	56.97	77.96
335.0	42.23	77.41
340.0	51.86	77.03
345.0	58.09	76.59
350.0	59.32	76.92
355.0	59.51	77.65
360.0	59.27	75.28

2.1.12 Antenna Pattern (Device Antenna Up – Low Channel (2402 MHz))

Azimuth Chart: Horizontal



Azimuth Chart: Vertical



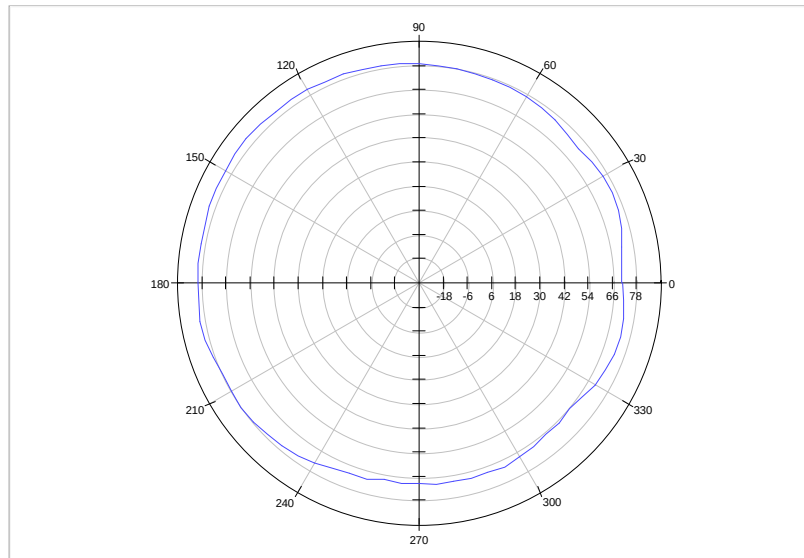


Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	79.75	57.12
5.0	79.10	61.16
10.0	80.36	58.66
15.0	81.86	60.48
20.0	82.61	61.44
25.0	83.12	60.49
30.0	83.24	61.40
35.0	83.00	59.73
40.0	82.70	60.75
45.0	82.83	60.26
50.0	82.84	58.47
55.0	83.43	55.05
60.0	83.88	53.81
65.0	84.17	57.01
70.0	84.16	57.39
75.0	84.39	58.65
80.0	84.30	55.57
85.0	84.25	57.82
90.0	84.17	58.14
95.0	84.00	54.84
100.0	83.89	55.07
105.0	83.86	51.12
110.0	83.59	51.72
115.0	83.74	56.66
120.0	83.66	59.27
125.0	83.69	56.99
130.0	83.55	63.04
135.0	83.99	62.16
140.0	83.58	59.69
145.0	83.11	61.73
150.0	83.01	64.79
155.0	83.09	61.89
160.0	82.03	59.71
165.0	81.94	64.11
170.0	82.03	56.15
175.0	81.82	56.51
180.0	82.06	60.51
185.0	82.06	57.57
190.0	81.82	60.61
195.0	81.29	64.20
200.0	80.78	64.08
205.0	79.91	59.86
210.0	79.27	56.51
215.0	79.53	63.57
220.0	79.71	64.41
225.0	79.43	62.98
230.0	78.59	60.94
235.0	77.87	59.59
240.0	77.80	57.00
245.0	78.39	53.09
250.0	78.21	55.72
255.0	78.13	58.04
260.0	78.33	62.87
265.0	77.72	64.10
270.0	77.78	65.20
275.0	77.82	65.56
280.0	78.04	65.16
285.0	78.49	64.12
290.0	78.35	61.18
295.0	78.35	61.37
300.0	78.36	56.84
305.0	77.17	54.64
310.0	77.14	57.07

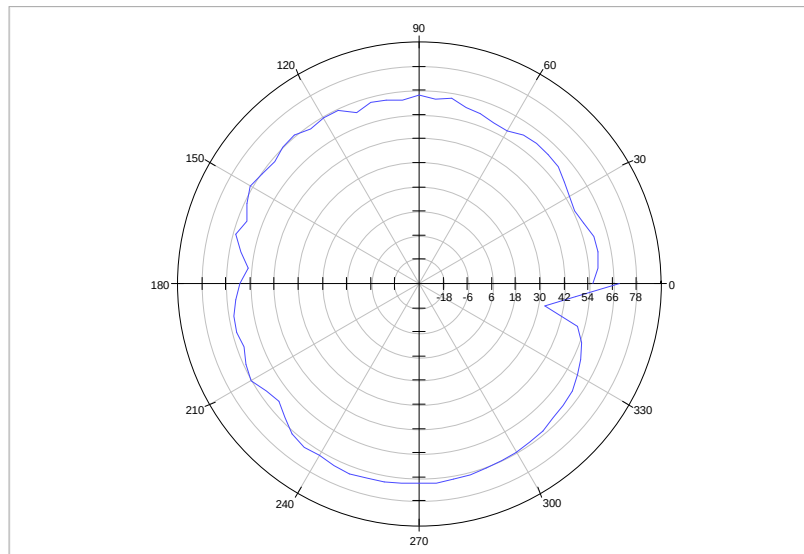
315.0	77.49	57.22
320.0	78.39	54.45
325.0	79.05	57.78
330.0	80.22	60.11
335.0	81.21	60.89
340.0	81.58	60.15
345.0	81.37	59.88
350.0	80.77	59.63
355.0	79.73	56.65
360.0	78.57	56.08

2.1.13 Antenna Pattern (Device Antenna Up– Middle Channel (2440 MHz))

Azimuth Chart: Vertical



Azimuth Chart: Horizontal

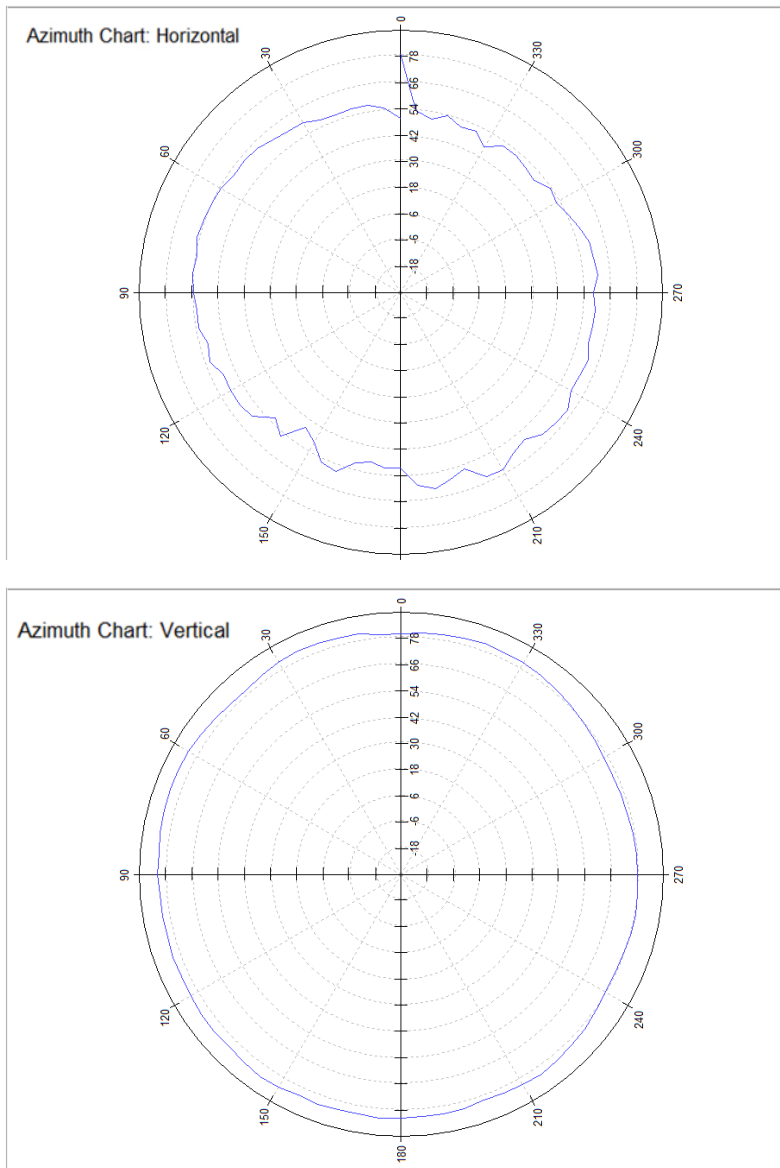




Azimuth Horizontal (deg)	Vertical Pol (dBμV/m @ 3m)	Horizontal Pol (dBμV/m @ 3m)
0.0	70.89	56.55
5.0	70.94	59.33
10.0	72.00	60.51
15.0	74.24	60.20
20.0	75.65	57.35
25.0	76.27	55.08
30.0	75.85	56.23
35.0	74.66	57.88
40.0	73.61	59.96
45.0	73.92	60.67
50.0	75.31	60.62
55.0	76.15	60.13
60.0	76.92	57.77
65.0	77.31	58.21
70.0	77.36	59.68
75.0	77.40	60.58
80.0	77.97	63.55
85.0	78.23	61.97
90.0	78.63	63.32
95.0	79.18	61.45
100.0	79.54	62.37
105.0	79.70	63.00
110.0	80.16	60.55
115.0	80.15	64.86
120.0	80.71	64.95
125.0	80.92	63.56
130.0	81.03	66.14
135.0	81.26	65.73
140.0	81.91	63.82
145.0	81.71	65.09
150.0	81.04	66.62
155.0	81.19	64.36
160.0	81.13	60.90
165.0	79.86	64.19
170.0	80.02	59.72
175.0	80.18	55.20
180.0	79.68	58.93
185.0	79.92	61.34
190.0	80.38	63.52
195.0	80.26	63.75
200.0	78.97	62.60
205.0	77.55	65.07
210.0	77.67	66.53
215.0	77.86	62.65
220.0	77.37	61.24
225.0	76.63	64.44
230.0	75.65	67.72
235.0	74.98	69.19
240.0	73.49	68.89
245.0	71.71	70.12
250.0	70.44	70.69
255.0	70.89	69.83
260.0	69.29	70.28
265.0	69.88	69.73
270.0	69.67	68.98
275.0	70.30	69.42
280.0	70.13	68.44
285.0	70.41	68.51
290.0	70.27	67.54
295.0	70.72	66.88
300.0	69.59	66.61
305.0	69.51	66.13
310.0	68.09	65.62

315.0	68.62	64.23
320.0	67.31	63.75
325.0	69.00	63.21
330.0	71.22	60.93
335.0	72.26	58.80
340.0	73.40	56.21
345.0	73.70	51.75
350.0	73.14	33.26
355.0	71.95	48.34
360.0	71.05	69.83

2.1.14 Antenna Pattern (Device Antenna Up – High Channel (2480 MHz))





Azimuth Horizontal (deg)	Vertical Pol (dBµV/m @ 3m)	Horizontal Pol (dBµV/m @ 3m)
0.0	79.98	49.91
5.0	80.19	54.72
10.0	81.68	56.76
15.0	82.25	56.87
20.0	82.48	56.53
25.0	82.38	56.95
30.0	82.00	59.48
35.0	81.21	59.69
40.0	80.44	61.49
45.0	80.24	62.86
50.0	80.89	63.96
55.0	82.09	63.29
60.0	82.46	65.13
65.0	82.75	65.89
70.0	82.79	66.05
75.0	82.51	66.69
80.0	82.05	64.85
85.0	81.48	65.74
90.0	81.29	64.75
95.0	80.88	63.70
100.0	80.99	64.09
105.0	80.63	61.34
110.0	81.32	63.23
115.0	81.21	59.91
120.0	81.43	59.75
125.0	82.08	59.72
130.0	81.95	58.50
135.0	81.84	51.62
140.0	82.48	55.98
145.0	82.76	45.52
150.0	82.25	49.29
155.0	81.69	55.67
160.0	82.04	57.39
165.0	81.65	50.61
170.0	81.52	48.55
175.0	81.84	50.55
180.0	81.61	50.23
185.0	81.61	58.60
190.0	81.14	61.29
195.0	80.88	58.44
200.0	80.33	56.08
205.0	80.50	63.12
210.0	81.26	63.70
215.0	81.61	59.93
220.0	80.87	58.40
225.0	80.22	61.91
230.0	79.93	62.85
235.0	79.10	63.64
240.0	77.82	60.09
245.0	77.87	60.85
250.0	78.24	61.64
255.0	78.49	59.15
260.0	78.76	59.02
265.0	78.69	59.67
270.0	78.16	58.56
275.0	78.19	60.61
280.0	77.80	59.49
285.0	77.25	59.37
290.0	76.92	56.98
295.0	76.85	54.70
300.0	76.69	52.32



305.0	77.66	53.43
310.0	78.42	49.62
315.0	79.41	50.72
320.0	80.61	52.28
325.0	81.59	51.83
330.0	81.86	46.70
335.0	82.17	51.11
340.0	82.37	50.53
345.0	82.23	53.62
350.0	81.41	50.77
355.0	80.95	53.58
360.0	80.06	79.04

2.1.15 Antenna Gain Calculation

Maximum field strength recorded at 3 meters = 85.16 dB μ V/m (Low Channel Device Antenna Vertical)

Maximum EIRP recorded at 3 meters in dBm = -10.07 dBm

Conducted power measured according to table 2.4.6.1 in test report NC721005002.4 = -0.46 dBm

Antenna Gain = Maximum EIRP recorded at 3 meters – Conducted power measured

Antenna Gain = (-10.07 dBm) – (-0.46 dBm) = -9.61 dBi

Antenna gain therefore is -9.61dBi

2.1.16 Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
ESW44 EMI Test Receiver	Rohde & Schwarz	ESW44	68301	1 year	11-Aug-2026
Pre Amplifier	Quinstar	QLJ-01182835-JO	30351	1 year	20-Feb-2026
1-18GHz DRG Horn	ETS Lindgren	3117	30181	1 year	20-Aug-2026

Table 3

3 Photographs

3.1 Equipment Under Test (EUT)



Figure 6 – Host ICM



Figure 7 – Antenna Under Test



4 Test Equipment Information

4.1 General Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
Barometer/Temperature/ Humidity Transmitter	Extech Instruments	SD700	68516	1 year	09-Sept-2026



5 Measurement Uncertainty

For a 95% confidence level, the measurement uncertainties for defined systems are:

Test Name	Measurement Uncertainty
Radiated Spurious Emissions	5.57dB (30MHz to 1GHz)
	5.9dB (1GHz to 40GHz)

Table 4

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to Calculation of Measurement Uncertainty per CISPR 16-4-2:2011 with Corr. 1.