

Antenna Test Report

Manufacturer: Enterra Medical, Inc.
Model: 10102



In accordance with FCC antenna information requirements the application for certification

Prepared for: Enterra Medical, Inc.
5353 Wayzata Blvd. Suite 400
St Louis Park, MN 55416

FCC Exhibit Report

Document 0721022405 Issue 02

SIGNATURE			
NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Ferdinand Custodio	Senior EMC Test Engineer/Wireless Team Lead	Authorised Signatory	Sept 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	09-04-2026
02	Update to Antenna Gain in section 1.2	09-09-2026

Table 1

1.2 Introduction

Applicant	Enterra Medical, Inc.
Manufacturer	Enterra Medical, Inc.
Model Number	10102
Antenna Type	IPG Header Antenna
Antenna Gain	-15.5 dBi
Host Information	Model 10102 IPG / SN EMT000295E
Order Number	0721022405
Date	03-Sept-2026
Date of Receipt of EUT	03-Sept-2026
Start of Test	03-Sept-2026
Finish of Test	03-Sept-2026
Name of Engineer(s)	Joe Salvador



1.3 Product Information

1.3.1 Technical Description

The antenna being verified is an IPG header antenna installed in Model 10102 IPG manufactured by Enterra Medical, Inc.

The EUT has test lead connected to a USB adaptor utilized to configure the BLE transmit channel.

1.3.2 Test Configuration

The host IPG was set to transmit 0dBm CW on Low (2402 MHz), Mid (2440 MHz) and High (2480 MHz) channels.

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 10102 IPG / TX Mode CW 0dBm		
2D Antenna Pattern	Ferdinand Custodio	N/A

Table 2

Laboratory Address: 10040 Mesa Rim Road,
San Diego, CA,
92121, USA

2 Test Details

2.1 2D Antenna Pattern

2.1.1 Host Equipment Under Test and Modification State

Host Model 10102 IPG SN EMT000295E @ 0dBm setting

2.1.2 Date of Test

03-Sept-2026

2.1.3 EUT orientations used for verifications

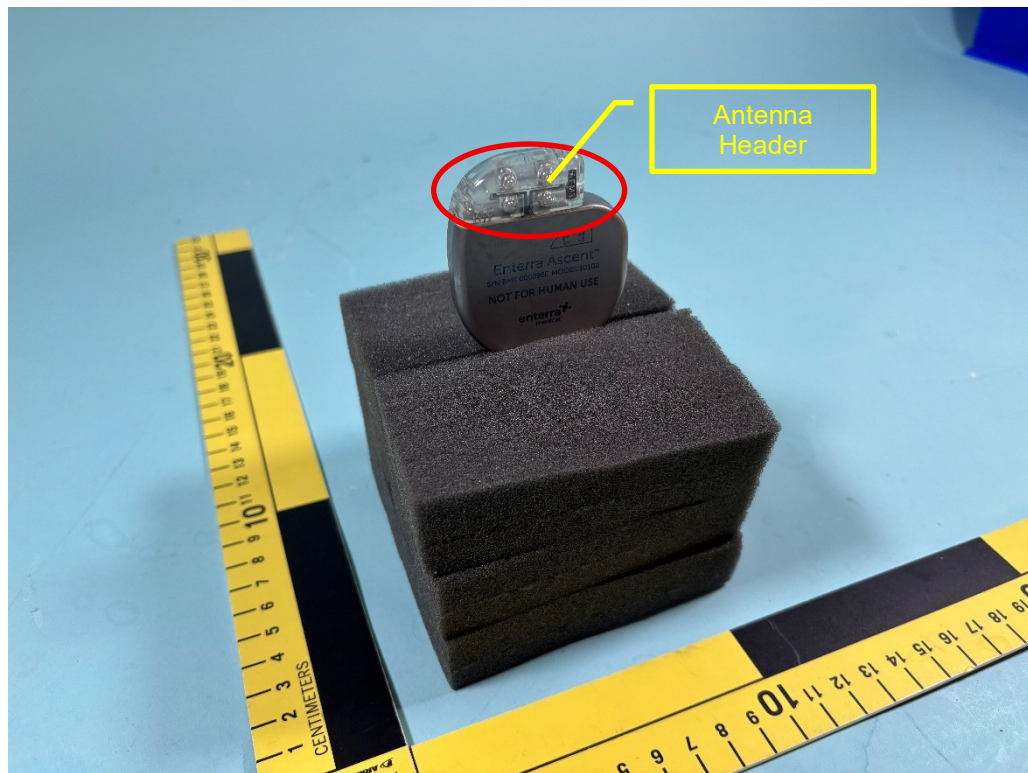


Figure 1 Device Vertical Header Up

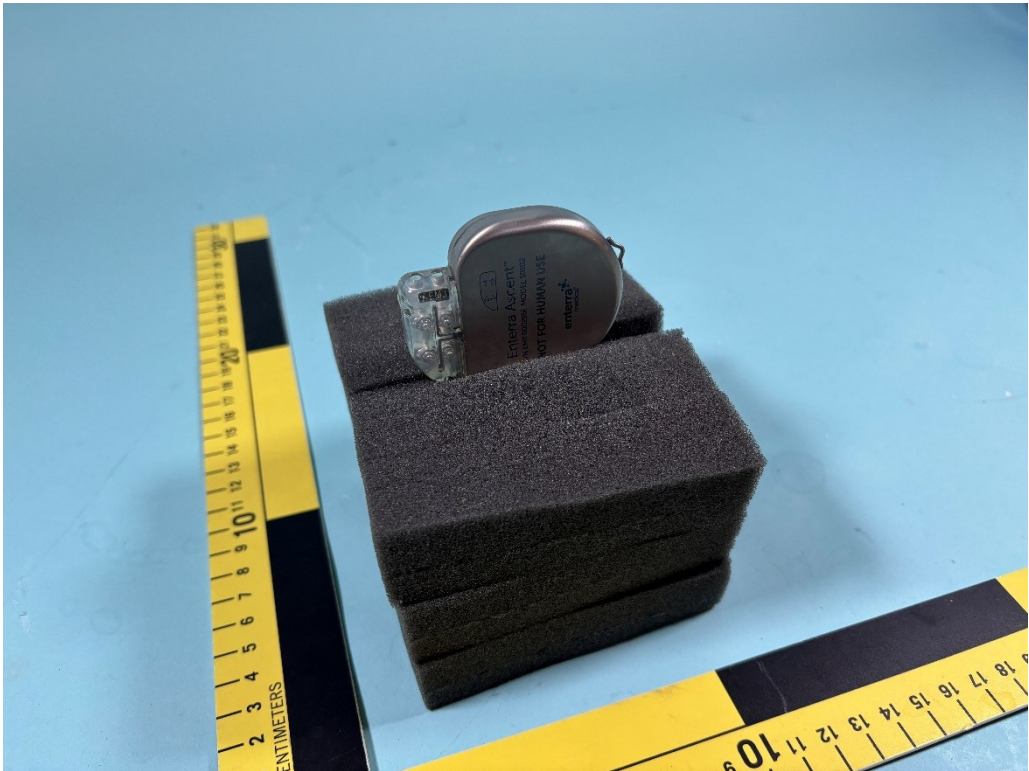


Figure 2 Device Vertical Header Forward

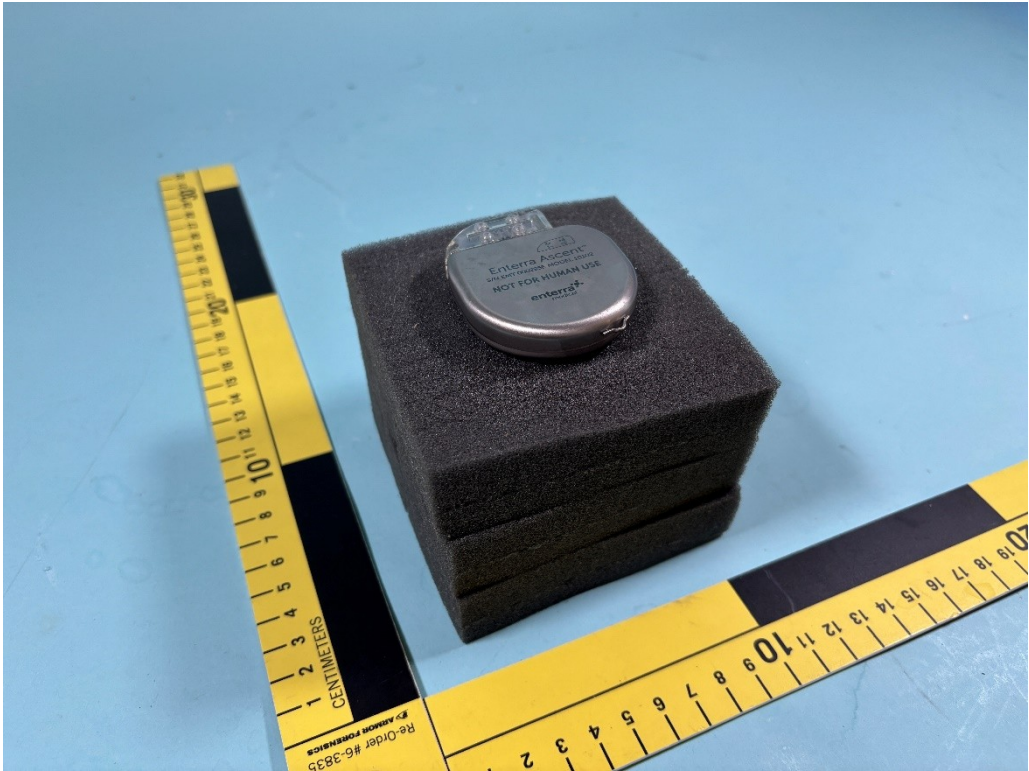


Figure 3 Device Horizontal Header Up



2.1.4 Test Setup Photos



Figure 4 Antenna Pattern Test at 3 meters (Front view)

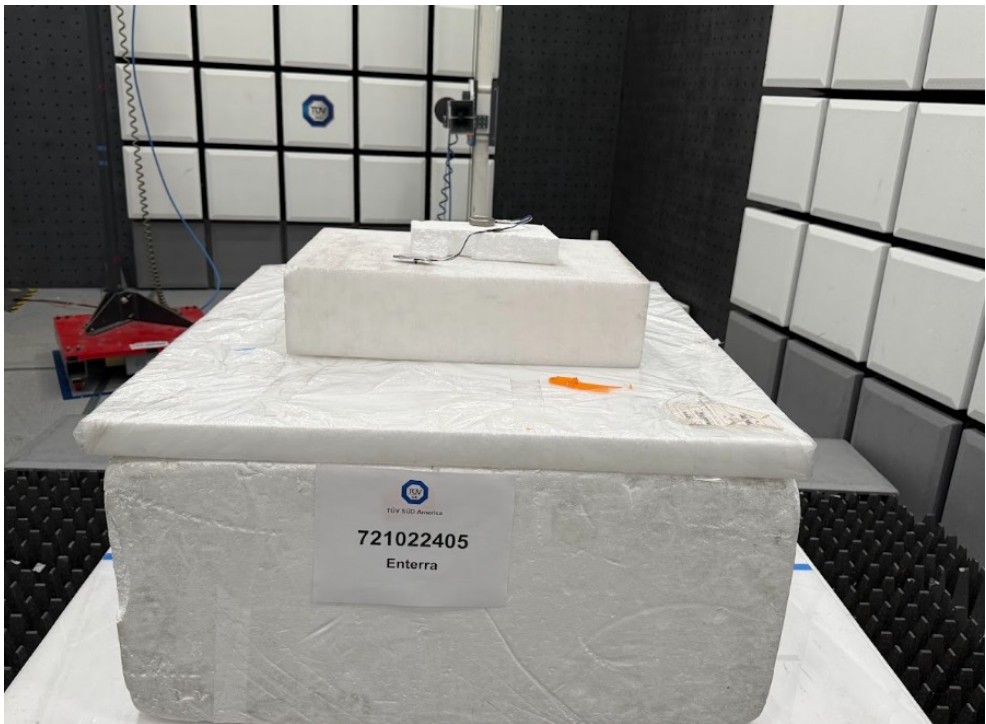


Figure 5 Antenna Pattern Test at 3 meters (Back view)

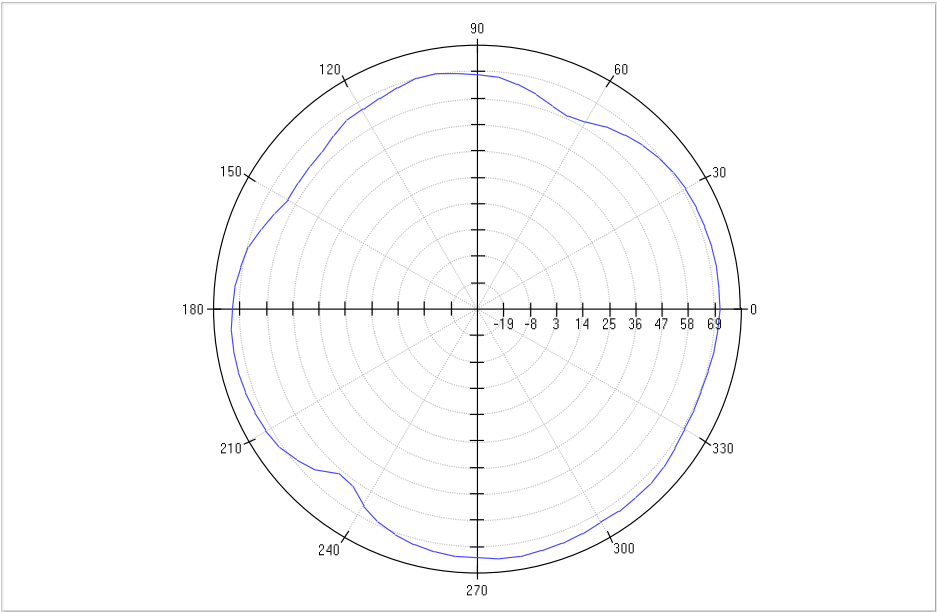


2.1.5 Environmental Conditions

Ambient Temperature 25.2 °C
Relative Humidity 42.1 %

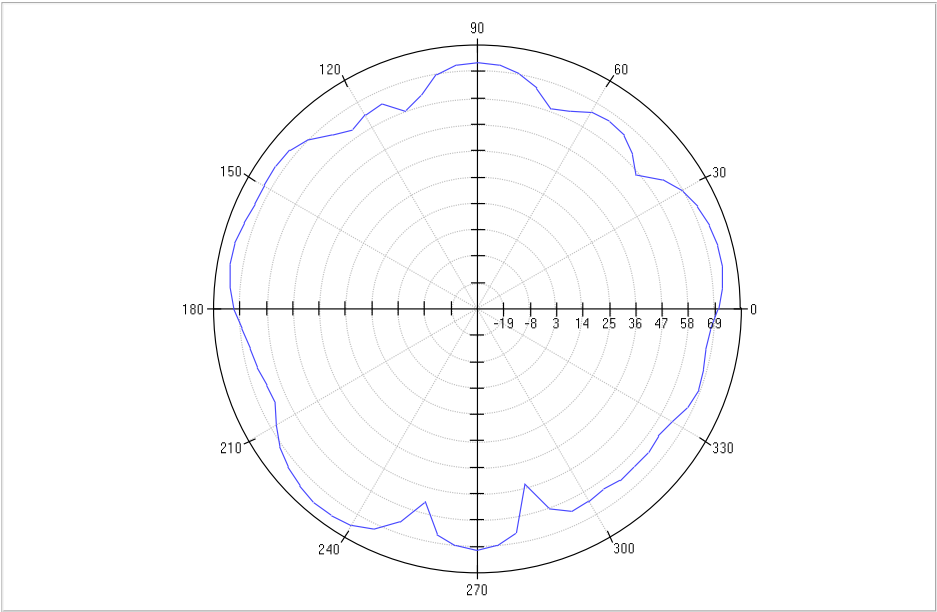
2.1.6 Antenna Pattern (Device Vertical Header Up – Low Channel)

Azimuth Chart: Horizontal



Frequency 2402.000 MHz [AziChart_hor.Result:1]

Azimuth Chart: Vertical



Frequency 2402.000 MHz [AziChart_ver.Result:1]



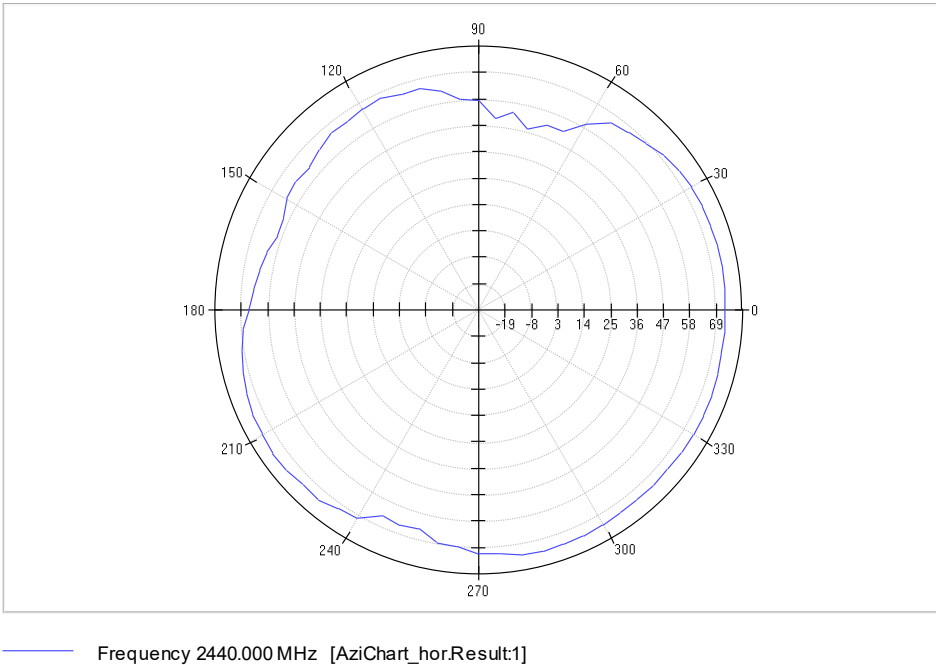
Azimuth Horizontal (deg)	Frequency 2402 MHz (dBµV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2402 MHz (dBµV/m @ 3m)
0.0	70.91	0.0	70.74
5.0	71.24	5.0	72.65
10.0	71.26	10.0	73.67
15.0	71.19	15.0	73.77
20.0	71.00	20.0	72.98
25.0	70.74	25.0	71.27
30.0	70.30	30.0	68.37
35.0	69.50	35.0	63.75
40.0	68.28	40.0	56.60
45.0	66.81	45.0	61.49
50.0	64.95	50.0	64.90
55.0	62.66	55.0	65.70
60.0	60.17	60.0	64.65
65.0	58.93	65.0	61.03
70.0	60.55	70.0	58.83
75.0	63.06	75.0	65.37
80.0	65.15	80.0	69.90
85.0	66.99	85.0	71.80
90.0	67.85	90.0	72.60
95.0	68.78	95.0	71.96
100.0	69.64	100.0	69.08
105.0	69.56	105.0	62.16
110.0	68.09	110.0	57.52
115.0	66.77	115.0	64.28
120.0	66.04	120.0	63.63
125.0	65.49	125.0	60.80
130.0	63.99	130.0	64.61
135.0	62.39	135.0	69.93
140.0	61.71	140.0	72.65
145.0	61.42	145.0	73.11
150.0	60.91	150.0	72.59
155.0	63.72	155.0	72.57
160.0	66.32	160.0	73.52
165.0	68.90	165.0	74.44
170.0	70.42	170.0	74.66
175.0	71.41	175.0	73.50
180.0	72.19	180.0	71.53
185.0	72.77	185.0	68.72
190.0	72.96	190.0	66.38
195.0	72.99	195.0	65.01
200.0	72.91	200.0	63.19
205.0	72.57	205.0	63.06
210.0	71.77	210.0	66.82
215.0	70.36	215.0	70.65
220.0	68.09	220.0	73.19
225.0	64.57	225.0	74.76
230.0	59.72	230.0	75.69
235.0	60.54	235.0	75.51
240.0	64.84	240.0	74.19
245.0	68.03	245.0	70.96
250.0	70.09	250.0	64.34
255.0	71.57	255.0	53.48
260.0	72.77	260.0	65.73
265.0	73.45	265.0	69.25
270.0	73.78	270.0	70.61
275.0	74.31	275.0	68.87
280.0	74.60	280.0	64.47
285.0	74.07	285.0	45.47
290.0	73.72	290.0	58.61
295.0	73.36	295.0	63.27
300.0	72.76	300.0	63.05
305.0	72.90	305.0	61.82
310.0	72.61	310.0	63.09



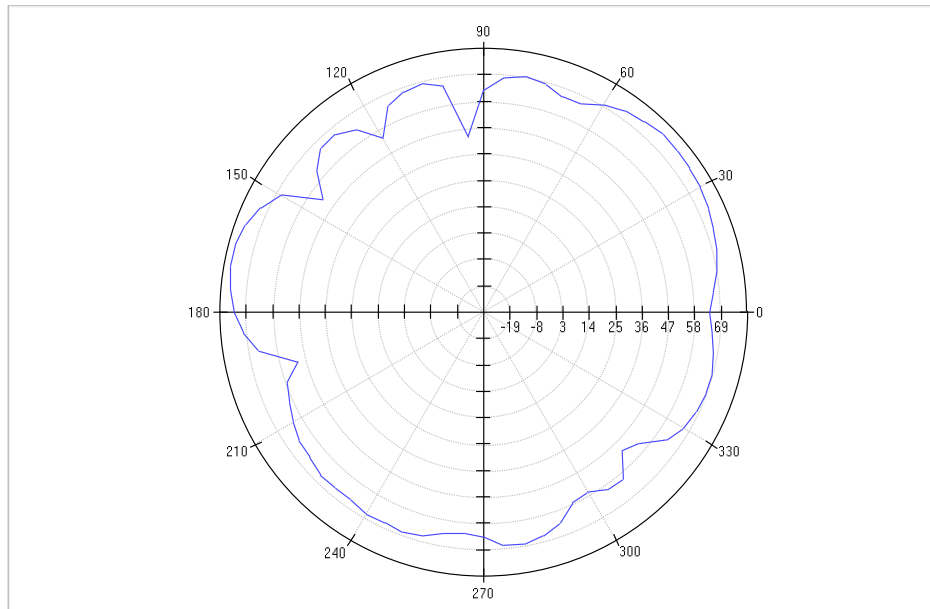
315.0	72.27	315.0	62.81
320.0	71.68	320.0	63.08
325.0	70.75	325.0	61.92
330.0	69.89	330.0	63.79
335.0	69.40	335.0	66.67
340.0	69.19	340.0	68.12
345.0	69.41	345.0	67.44
350.0	69.96	350.0	66.56
355.0	70.45	355.0	67.65
360.0	70.97	360.0	70.37

2.1.7 Antenna Pattern (Device Vertical Header Up – Mid Channel)

Azimuth Chart: Horizontal



Azimuth Chart: Vertical



Frequency 2440.000 MHz [AziChart_ver.Result:1]

Azimuth Horizontal (deg)	Frequency 2440 MHz (dBμV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2440 MHz (dBμV/m @ 3m)
0.0	72.43	0.0	64.43
5.0	72.78	5.0	66.27
10.0	72.98	10.0	68.70
15.0	73.00	15.0	70.50
20.0	72.99	20.0	71.76
25.0	72.89	25.0	73.20
30.0	72.36	30.0	74.45
35.0	71.57	35.0	74.84
40.0	70.41	40.0	75.01
45.0	68.29	45.0	75.00
50.0	66.33	50.0	73.79
55.0	65.08	55.0	72.39
60.0	59.65	60.0	69.93
65.0	52.36	65.0	66.03
70.0	51.89	70.0	65.75
75.0	48.09	75.0	68.67
80.0	53.79	80.0	69.61
85.0	50.24	85.0	68.18
90.0	57.10	90.0	62.69
95.0	58.29	95.0	43.19
100.0	62.86	100.0	65.74
105.0	65.53	105.0	68.77
110.0	65.30	110.0	67.51
115.0	67.29	115.0	64.50
120.0	66.60	120.0	53.71
125.0	65.76	125.0	62.75
130.0	66.24	130.0	66.73
135.0	64.47	135.0	66.02
140.0	61.92	140.0	60.98
145.0	63.09	145.0	51.62
150.0	62.37	150.0	67.41
155.0	59.68	155.0	72.95
160.0	59.42	160.0	75.78
165.0	61.34	165.0	77.00

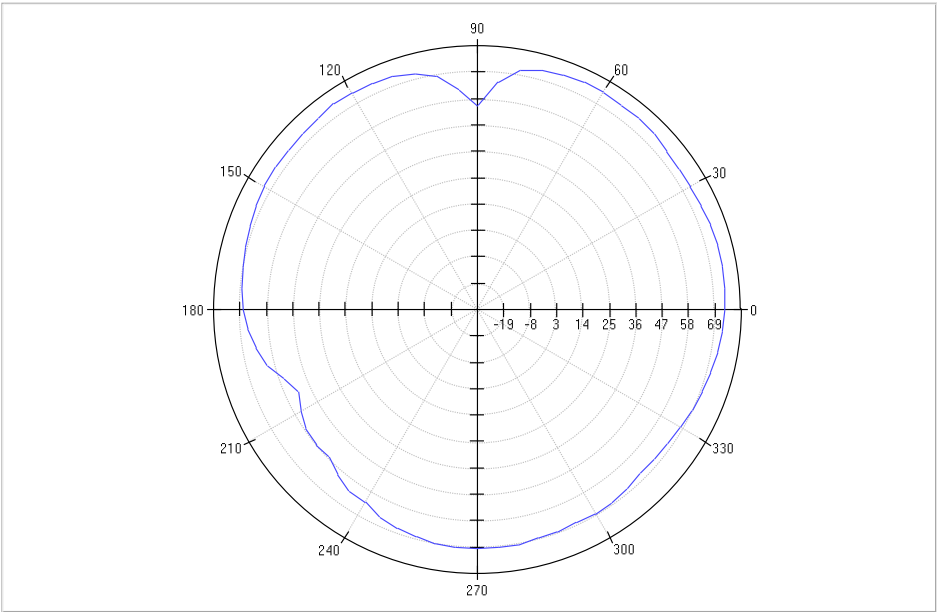


170.0	62.84	170.0	77.09
175.0	63.84	175.0	76.12
180.0	65.83	180.0	73.95
185.0	68.44	185.0	70.69
190.0	70.17	190.0	65.07
195.0	71.63	195.0	50.28
200.0	72.89	200.0	57.05
205.0	73.68	205.0	59.33
210.0	74.05	210.0	61.95
215.0	74.51	215.0	63.70
220.0	74.08	220.0	64.71
225.0	73.46	225.0	66.22
230.0	73.41	230.0	66.11
235.0	71.35	235.0	65.93
240.0	70.20	240.0	67.21
245.0	64.55	245.0	66.74
250.0	65.42	250.0	67.41
255.0	64.56	255.0	66.59
260.0	68.80	260.0	63.43
265.0	69.24	265.0	62.62
270.0	71.48	270.0	63.71
275.0	72.23	275.0	67.37
280.0	73.77	280.0	68.19
285.0	74.09	285.0	66.26
290.0	74.11	290.0	63.25
295.0	74.02	295.0	57.64
300.0	73.47	300.0	56.36
305.0	73.02	305.0	60.35
310.0	72.96	310.0	60.59
315.0	73.15	315.0	51.36
320.0	73.15	320.0	54.85
325.0	73.53	325.0	63.07
330.0	73.84	330.0	66.22
335.0	73.55	335.0	68.04
340.0	73.33	340.0	68.79
345.0	72.92	345.0	68.59
350.0	72.80	350.0	67.39
355.0	72.83	355.0	65.54
360.0	72.74	360.0	64.30



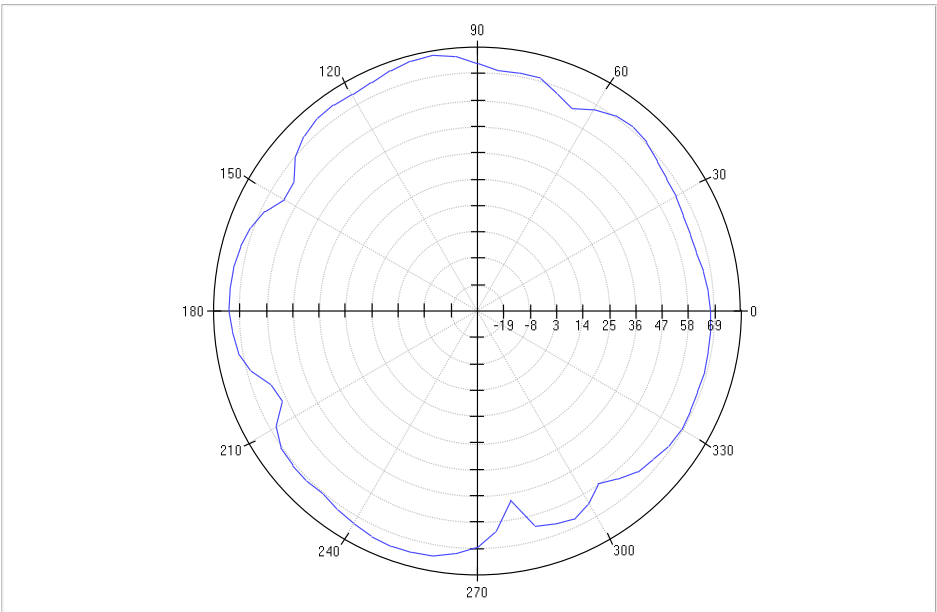
2.1.8 Antenna Pattern (Device Vertical Header Up – High Channel)

Azimuth Chart: Horizontal



Frequency 2480.000 MHz [AziChart_hor.Result:1]

Azimuth Chart: Vertical



Frequency 2480.000 MHz [AziChart_ver.Result:1]



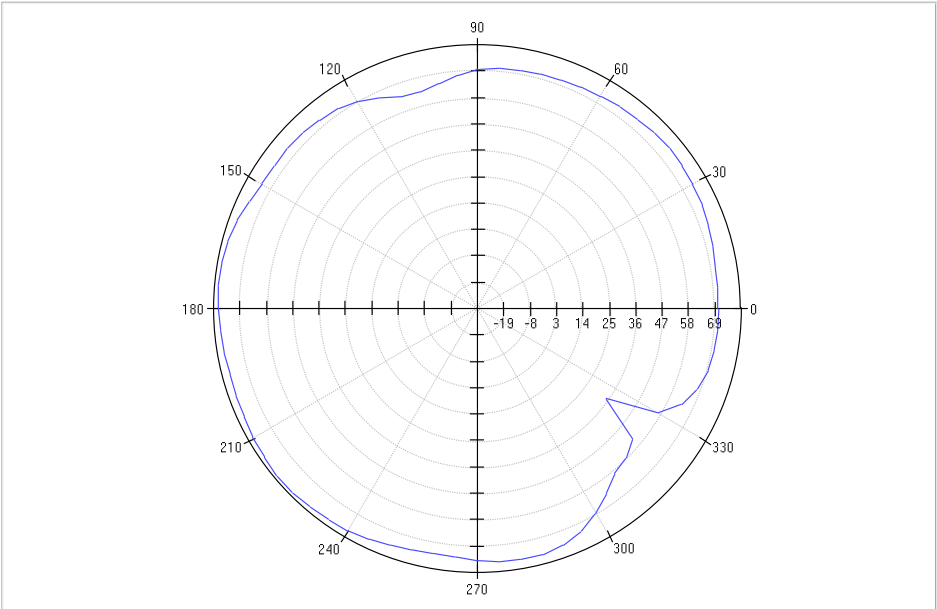
Azimuth Horizontal (deg)	Frequency 2480 MHz (dBµV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2480 MHz (dBµV/m @ 3m)
0.0	73.13	0.0	67.24
5.0	73.73	5.0	66.64
10.0	73.86	10.0	65.78
15.0	73.88	15.0	64.72
20.0	73.61	20.0	64.26
25.0	72.99	25.0	64.90
30.0	72.38	30.0	65.53
35.0	72.37	35.0	66.33
40.0	72.83	40.0	67.66
45.0	73.66	45.0	69.42
50.0	74.18	50.0	70.37
55.0	74.28	55.0	69.53
60.0	74.65	60.0	66.64
65.0	74.57	65.0	62.93
70.0	74.01	70.0	66.55
75.0	72.92	75.0	70.86
80.0	71.04	80.0	70.51
85.0	65.21	85.0	70.34
90.0	54.73	90.0	73.31
95.0	62.29	95.0	76.27
100.0	68.84	100.0	78.06
105.0	71.87	105.0	77.91
110.0	73.63	110.0	76.50
115.0	74.11	115.0	74.91
120.0	74.46	120.0	74.28
125.0	74.56	125.0	74.97
130.0	73.95	130.0	74.57
135.0	73.29	135.0	72.75
140.0	73.07	140.0	69.29
145.0	72.85	145.0	63.52
150.0	72.29	150.0	63.09
155.0	71.51	155.0	67.75
160.0	70.84	160.0	70.59
165.0	69.97	165.0	72.15
170.0	69.22	170.0	73.03
175.0	68.53	175.0	73.40
180.0	67.43	180.0	73.39
185.0	65.92	185.0	72.63
190.0	63.91	190.0	70.93
195.0	60.64	195.0	67.59
200.0	55.54	200.0	61.28
205.0	52.08	205.0	59.55
210.0	54.91	210.0	66.93
215.0	57.24	215.0	69.78
220.0	57.87	220.0	70.61
225.0	57.53	225.0	70.44
230.0	60.29	230.0	70.04
235.0	62.52	235.0	71.16
240.0	62.71	240.0	72.53
245.0	65.56	245.0	73.73
250.0	66.95	250.0	74.50
255.0	68.06	255.0	74.34
260.0	69.18	260.0	73.70
265.0	69.75	265.0	71.60
270.0	69.73	270.0	68.61
275.0	69.59	275.0	61.88
280.0	69.45	280.0	50.03
285.0	68.77	285.0	62.94
290.0	68.54	290.0	64.67



295.0	67.88	295.0	65.63
300.0	68.27	300.0	63.12
305.0	68.26	305.0	58.01
310.0	67.39	310.0	61.44
315.0	66.44	315.0	64.55
320.0	66.66	320.0	66.19
325.0	67.16	325.0	67.74
330.0	68.02	330.0	68.31
335.0	68.80	335.0	68.01
340.0	69.73	340.0	67.82
345.0	70.79	345.0	67.84
350.0	71.48	350.0	67.74
355.0	72.31	355.0	67.60
360.0	73.08	360.0	67.25

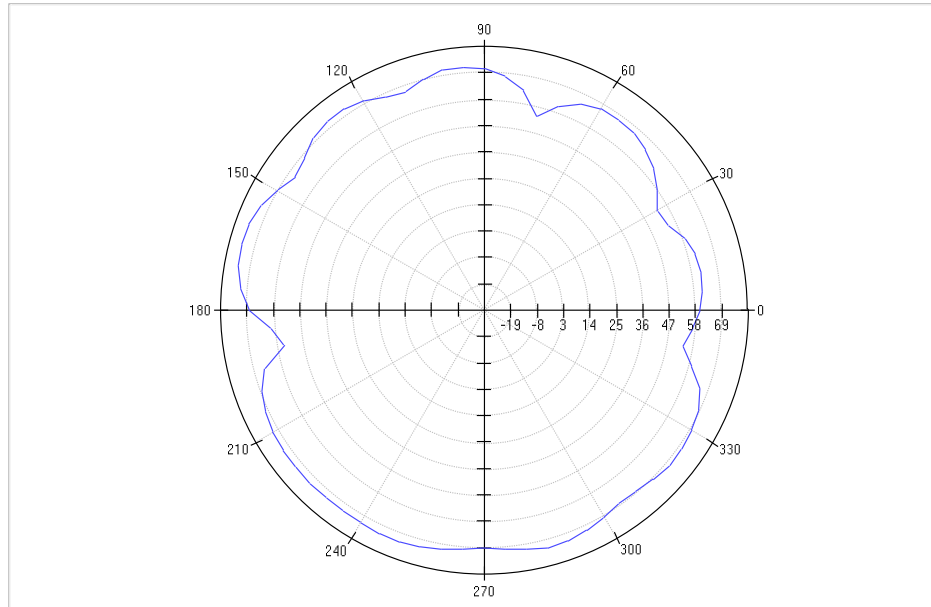
2.1.9 Antenna Pattern (Device Vertical Header Forward – Low Channel)

Azimuth Chart: Horizontal



Frequency 2402.000 MHz [AziChart_hor.Result:1]

Azimuth Chart: Vertical



— Frequency 2402.000 MHz [AziChart_ver.Result:1]

Azimuth Horizontal (deg)	Frequency 2402 MHz (dBμV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2402 MHz (dBμV/m @ 3m)
0.0	70.21	0.0	59.88
5.0	70.29	5.0	61.32
10.0	70.63	10.0	61.85
15.0	71.49	15.0	60.82
20.0	72.39	20.0	58.48
25.0	73.25	25.0	54.62
30.0	73.89	30.0	53.29
35.0	74.12	35.0	57.84
40.0	74.16	40.0	62.17
45.0	73.89	45.0	65.03
50.0	73.33	50.0	66.33
55.0	72.80	55.0	67.05
60.0	72.24	60.0	66.67
65.0	71.67	65.0	64.90
70.0	71.20	70.0	60.04
75.0	70.98	75.0	53.60
80.0	70.86	80.0	63.05
85.0	70.53	85.0	68.27
90.0	69.42	90.0	70.51
95.0	67.60	95.0	71.70
100.0	65.11	100.0	71.50
105.0	63.32	105.0	69.53
110.0	64.14	110.0	66.76
115.0	66.67	115.0	67.94
120.0	69.52	120.0	70.65
125.0	71.53	125.0	72.15
130.0	72.67	130.0	72.25
135.0	73.10	135.0	70.91
140.0	73.35	140.0	67.97
145.0	73.33	145.0	66.60
150.0	73.86	150.0	69.90
155.0	75.02	155.0	72.92

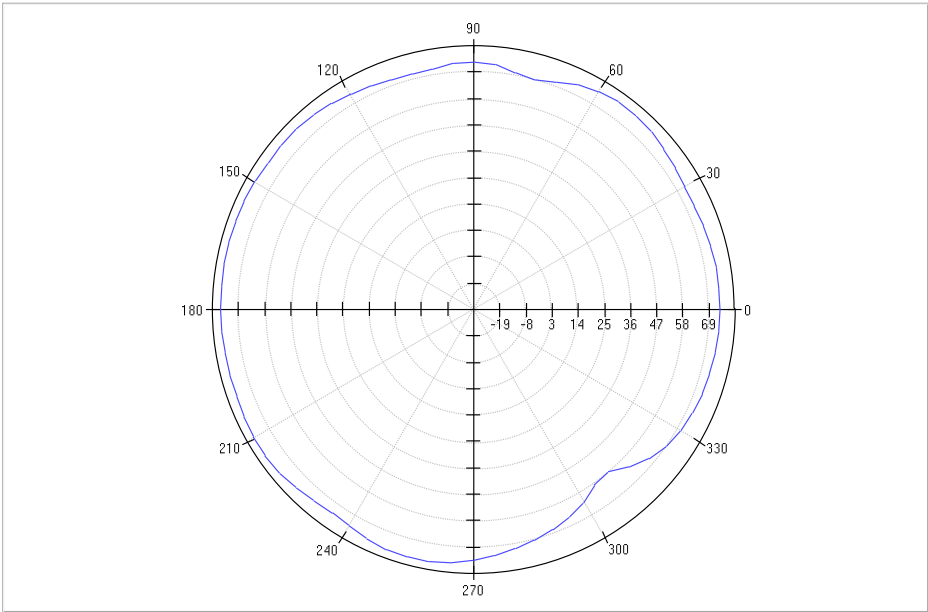


160.0	76.48	160.0	74.50
165.0	77.58	165.0	74.79
170.0	78.23	170.0	73.96
175.0	78.34	175.0	71.97
180.0	78.01	180.0	68.13
185.0	77.53	185.0	59.11
190.0	77.03	190.0	54.72
195.0	76.87	195.0	65.23
200.0	77.04	200.0	68.86
205.0	77.44	205.0	70.77
210.0	77.98	210.0	71.72
215.0	78.47	215.0	72.11
220.0	78.75	220.0	72.19
225.0	78.74	225.0	72.32
230.0	78.42	230.0	72.35
235.0	77.85	235.0	72.50
240.0	77.07	240.0	72.80
245.0	76.10	245.0	72.82
250.0	75.10	250.0	72.70
255.0	74.25	255.0	72.17
260.0	73.78	260.0	71.41
265.0	74.11	265.0	70.26
270.0	75.08	270.0	69.38
275.0	76.04	275.0	69.98
280.0	76.41	280.0	71.28
285.0	76.10	285.0	72.48
290.0	74.80	290.0	72.60
295.0	72.53	295.0	71.29
300.0	68.82	300.0	69.87
305.0	63.91	305.0	67.92
310.0	59.39	310.0	68.25
315.0	57.88	315.0	70.04
320.0	54.53	320.0	70.87
325.0	35.68	325.0	70.47
330.0	57.07	330.0	69.74
335.0	64.08	335.0	68.30
340.0	67.55	340.0	65.32
345.0	69.39	345.0	59.15
350.0	70.31	350.0	53.97
355.0	70.56	355.0	57.31
360.0	70.48	360.0	59.72



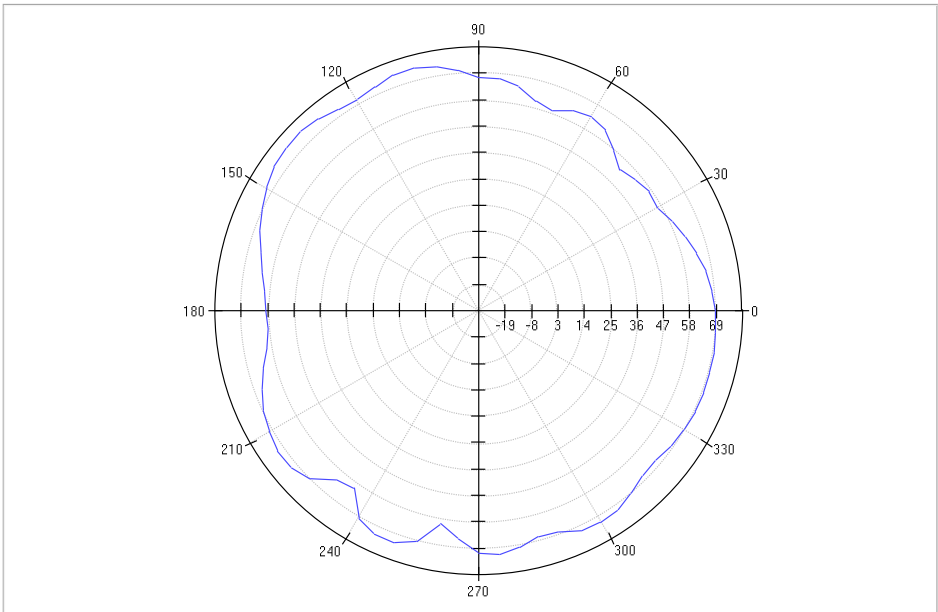
2.1.10 Antenna Pattern (Device Vertical Header Forward – Mid Channel)

Azimuth Chart: Horizontal



Frequency 2440.000 MHz [AziChart_hor.Result:1]

Azimuth Chart: Vertical



Frequency 2440.000 MHz [AziChart_ver.Result:1]



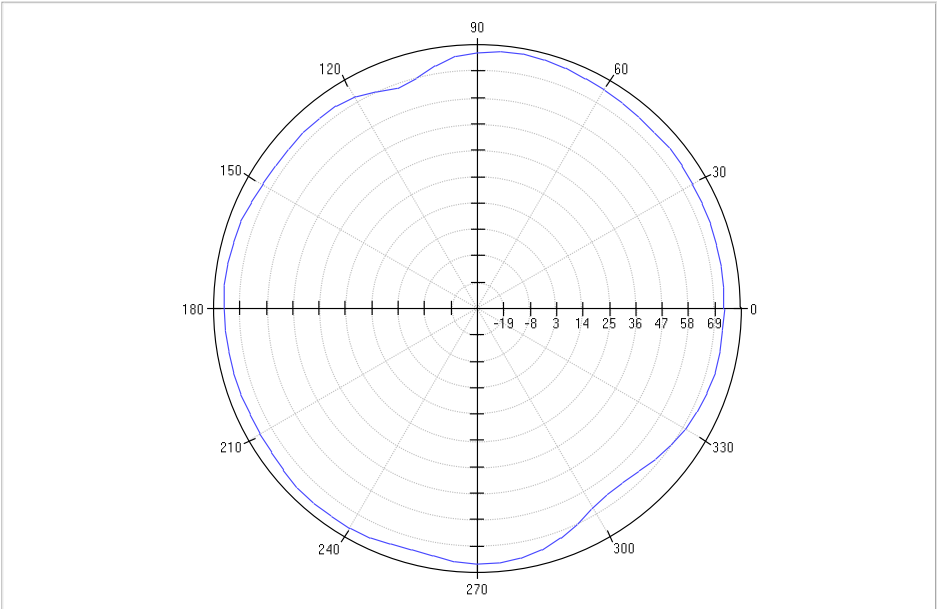
Azimuth Horizontal (deg)	Frequency 2440 MHz (dBµV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2440 MHz (dBµV/m @ 3m)
0.0	73.67	0.0	68.59
5.0	73.70	5.0	67.75
10.0	73.47	10.0	66.28
15.0	73.11	15.0	64.15
20.0	72.74	20.0	61.41
25.0	72.56	25.0	58.53
30.0	72.77	30.0	55.78
35.0	73.46	35.0	56.53
40.0	74.38	40.0	55.26
45.0	75.13	45.0	53.18
50.0	75.70	50.0	57.36
55.0	75.81	55.0	62.35
60.0	74.99	60.0	63.64
65.0	73.19	65.0	62.09
70.0	70.73	70.0	58.92
75.0	68.85	75.0	60.54
80.0	70.30	80.0	65.06
85.0	72.29	85.0	66.89
90.0	73.08	90.0	67.24
95.0	73.12	95.0	70.30
100.0	71.90	100.0	73.03
105.0	71.44	105.0	74.46
110.0	71.72	110.0	74.60
115.0	72.67	115.0	72.84
120.0	73.93	120.0	71.29
125.0	74.61	125.0	72.30
130.0	75.32	130.0	74.18
135.0	75.88	135.0	75.34
140.0	76.02	140.0	75.24
145.0	76.15	145.0	74.12
150.0	76.29	150.0	72.21
155.0	76.51	155.0	69.69
160.0	76.57	160.0	66.89
165.0	76.56	165.0	64.03
170.0	76.56	170.0	61.66
175.0	76.55	175.0	59.45
180.0	76.46	180.0	58.66
185.0	76.34	185.0	57.96
190.0	76.18	190.0	59.76
195.0	76.07	195.0	63.00
200.0	76.20	200.0	66.17
205.0	76.57	205.0	68.82
210.0	76.90	210.0	70.89
215.0	77.03	215.0	72.13
220.0	76.54	220.0	71.86
225.0	75.58	225.0	69.26
230.0	74.33	230.0	61.80
235.0	73.58	235.0	60.35
240.0	74.34	240.0	70.05
245.0	75.70	245.0	72.86
250.0	76.77	250.0	72.64
255.0	76.88	255.0	69.41
260.0	76.78	260.0	60.32
265.0	75.72	265.0	65.60
270.0	74.50	270.0	71.12
275.0	72.79	275.0	72.05
280.0	71.24	280.0	70.25
285.0	69.60	285.0	67.39
290.0	67.57	290.0	68.16



295.0	65.38	295.0	71.00
300.0	62.63	300.0	72.04
305.0	58.93	305.0	71.24
310.0	58.22	310.0	68.88
315.0	62.68	315.0	66.95
320.0	66.73	320.0	66.75
325.0	69.27	325.0	67.88
330.0	70.81	330.0	69.02
335.0	71.67	335.0	69.55
340.0	72.31	340.0	69.74
345.0	72.78	345.0	69.72
350.0	73.17	350.0	69.43
355.0	73.42	355.0	69.09
360.0	73.64	360.0	68.63

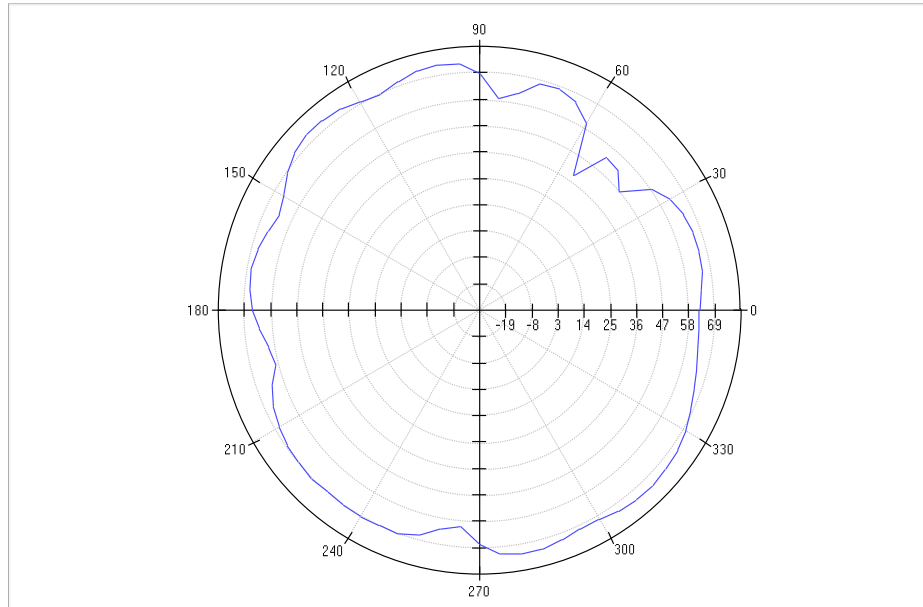
2.1.11 Antenna Pattern (Device Vertical Header Forward – High Channel)

Azimuth Chart: Horizontal



Frequency 2480.000 MHz [AziChart_hor.Result:1]

Azimuth Chart: Vertical



— Frequency 2480.000 MHz [AziChart_ver.Result:1]

Azimuth Horizontal (deg)	Frequency 2479.730 MHz (dBμV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2479.730 MHz (dBμV/m @ 3m)
0.0	72.81	0.0	62.54
5.0	72.96	5.0	63.79
10.0	73.14	10.0	64.92
15.0	73.25	15.0	65.68
20.0	73.37	20.0	65.77
25.0	73.56	25.0	64.78
30.0	73.79	30.0	62.36
35.0	73.94	35.0	57.71
40.0	74.15	40.0	46.81
45.0	74.22	45.0	52.48
50.0	74.22	50.0	52.87
55.0	74.69	55.0	38.76
60.0	75.19	60.0	60.02
65.0	75.80	65.0	65.70
70.0	76.53	70.0	68.18
75.0	77.29	75.0	67.42
80.0	77.49	80.0	61.90
85.0	77.53	85.0	58.61
90.0	76.78	90.0	68.88
95.0	75.43	95.0	72.87
100.0	72.77	100.0	73.88
105.0	69.19	105.0	73.12
110.0	67.74	110.0	71.28
115.0	69.83	115.0	69.22
120.0	72.08	120.0	70.48
125.0	72.97	125.0	72.45
130.0	73.11	130.0	73.23

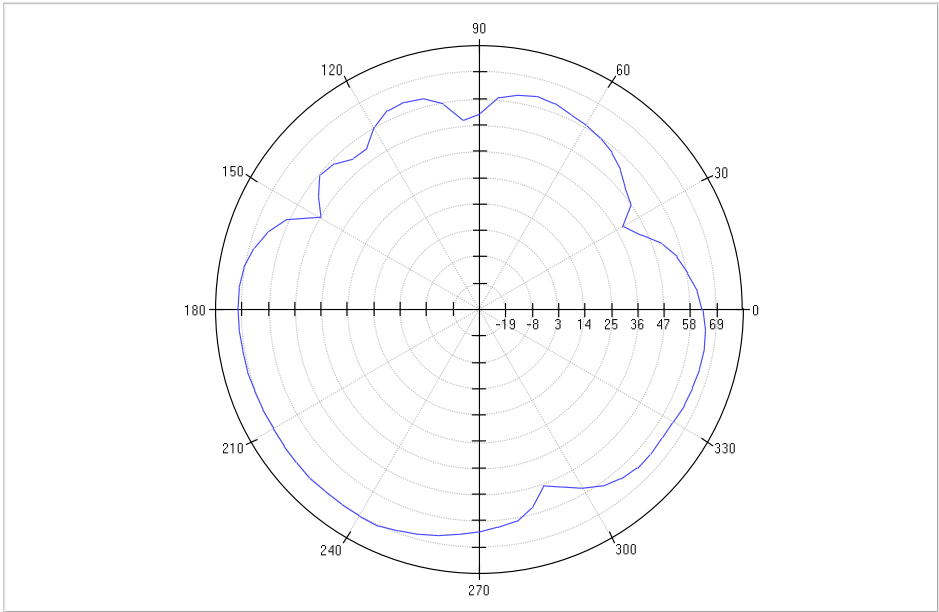


135.0	73.05	135.0	72.90
140.0	72.76	140.0	71.51
145.0	72.78	145.0	68.83
150.0	73.29	150.0	65.38
155.0	74.11	155.0	63.11
160.0	74.76	160.0	64.76
165.0	75.38	165.0	66.50
170.0	75.61	170.0	67.61
175.0	75.76	175.0	66.94
180.0	75.77	180.0	65.70
185.0	75.68	185.0	63.25
190.0	75.43	190.0	60.13
195.0	75.13	195.0	58.76
200.0	74.90	200.0	62.80
205.0	74.75	205.0	65.99
210.0	74.81	210.0	67.65
215.0	74.99	215.0	68.61
220.0	75.50	220.0	69.26
225.0	75.90	225.0	69.62
230.0	76.06	230.0	69.36
235.0	76.17	235.0	69.41
240.0	75.83	240.0	69.41
245.0	75.48	245.0	69.27
250.0	74.59	250.0	69.17
255.0	74.38	255.0	67.22
260.0	74.82	260.0	62.50
265.0	75.80	265.0	60.48
270.0	76.35	270.0	67.82
275.0	76.43	275.0	71.88
280.0	75.85	280.0	72.93
285.0	74.33	285.0	72.96
290.0	72.03	290.0	71.78
295.0	69.14	295.0	70.60
300.0	65.99	300.0	70.84
305.0	64.43	305.0	72.13
310.0	64.48	310.0	73.03
315.0	65.53	315.0	72.95
320.0	67.24	320.0	72.60
325.0	68.96	325.0	71.73
330.0	70.29	330.0	70.03
335.0	71.34	335.0	68.00
340.0	72.03	340.0	65.84
345.0	72.41	345.0	64.40
350.0	72.54	350.0	62.91
355.0	72.69	355.0	62.39
360.0	72.86	360.0	62.42



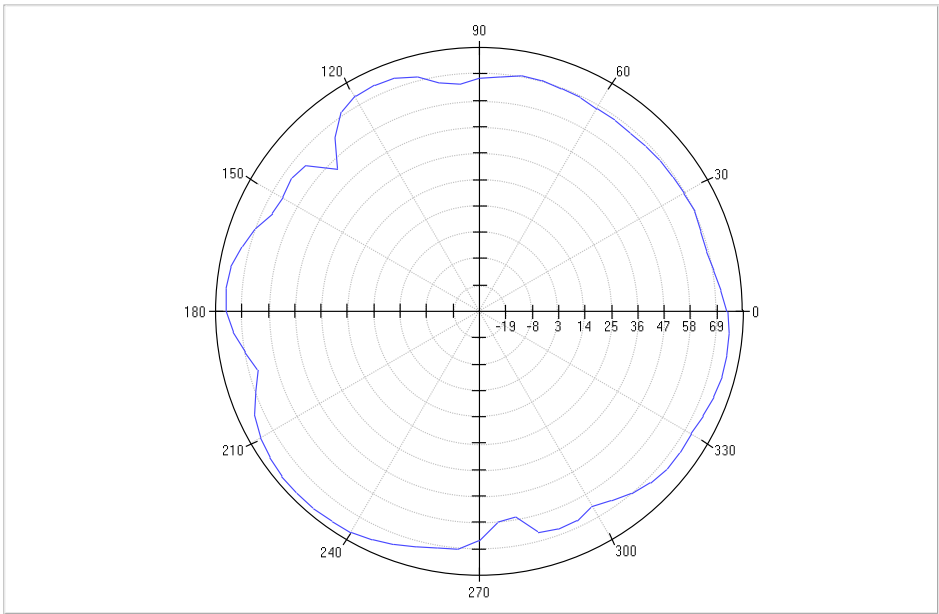
2.1.12 Antenna Pattern (Device Horizontal Header Up – Low Channel)

Azimuth Chart: Horizontal



Frequency 2402.000 MHz [AziChart_hor.Result:1]

Azimuth Chart: Vertical



Frequency 2402.000 MHz [AziChart_ver.Result:1]



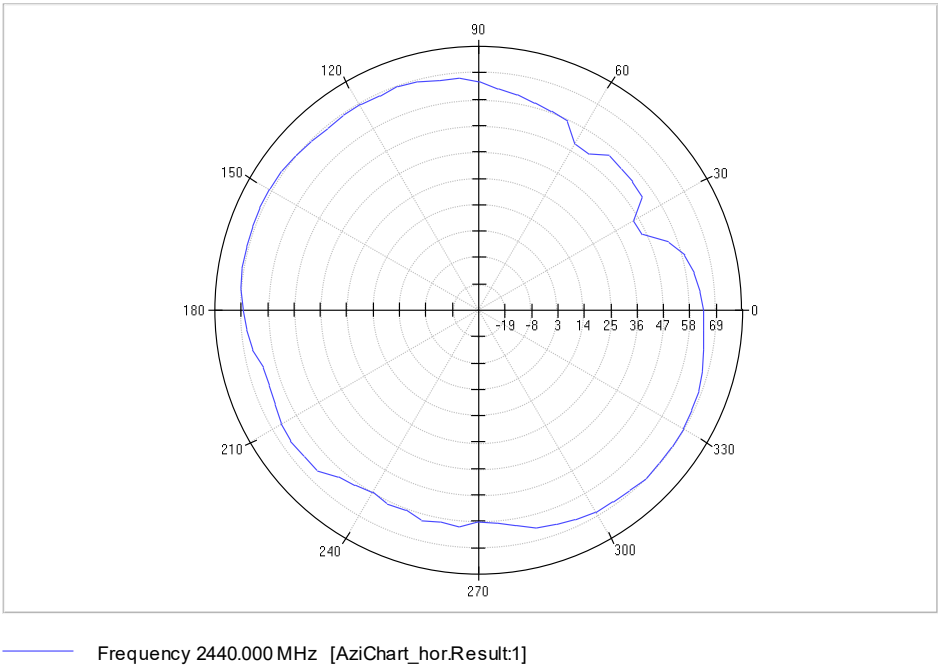
Azimuth Horizontal (deg)	Frequency 2401.735 MHz (dBµV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2401.735 MHz (dBµV/m @ 3m)
0.0	62.81	0.0	73.11
5.0	60.95	5.0	71.17
10.0	58.18	10.0	68.93
15.0	55.09	15.0	67.82
20.0	50.60	20.0	68.14
25.0	43.83	25.0	68.92
30.0	38.80	30.0	68.78
35.0	46.90	35.0	68.12
40.0	49.46	40.0	67.98
45.0	53.06	45.0	67.33
50.0	55.85	50.0	67.08
55.0	57.39	55.0	67.61
60.0	58.89	60.0	67.46
65.0	59.71	65.0	68.72
70.0	61.19	70.0	68.84
75.0	61.77	75.0	69.36
80.0	60.73	80.0	69.58
85.0	58.42	85.0	68.19
90.0	51.22	90.0	66.94
95.0	49.09	95.0	64.94
100.0	57.12	100.0	66.75
105.0	60.73	105.0	70.95
110.0	62.07	110.0	73.56
115.0	61.25	115.0	73.86
120.0	57.70	120.0	73.39
125.0	51.72	125.0	71.02
130.0	51.87	130.0	63.97
135.0	55.74	135.0	53.36
140.0	57.07	140.0	64.50
145.0	52.06	145.0	65.97
150.0	46.50	150.0	64.53
155.0	58.49	155.0	65.19
160.0	63.99	160.0	69.50
165.0	67.75	165.0	72.88
170.0	69.68	170.0	75.08
175.0	70.41	175.0	75.96
180.0	70.42	180.0	75.32
185.0	70.35	185.0	73.11
190.0	70.41	190.0	69.31
195.0	70.08	195.0	65.68
200.0	69.66	200.0	69.24
205.0	69.50	205.0	73.15
210.0	69.36	210.0	75.40
215.0	69.34	215.0	76.64
220.0	69.40	220.0	77.35
225.0	69.45	225.0	77.58
230.0	69.49	230.0	77.38
235.0	69.53	235.0	76.99
240.0	69.70	240.0	76.25
245.0	69.34	245.0	74.78
250.0	68.40	250.0	73.15
255.0	67.00	255.0	71.39
260.0	65.54	260.0	70.08
265.0	64.11	265.0	69.39
270.0	62.58	270.0	65.58
275.0	60.92	275.0	58.08
280.0	59.88	280.0	57.27
285.0	55.47	285.0	65.72
290.0	48.04	290.0	66.58
295.0	51.40	295.0	66.55
300.0	56.21	300.0	64.20



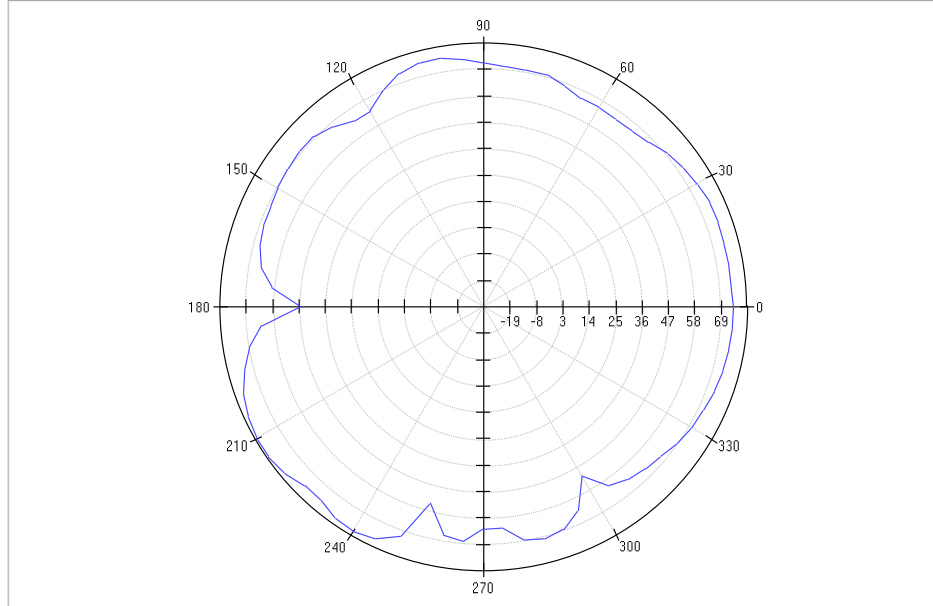
305.0	59.87	305.0	66.19
310.0	62.11	310.0	69.27
315.0	63.18	315.0	71.33
320.0	63.46	320.0	72.23
325.0	63.21	325.0	72.14
330.0	63.26	330.0	71.94
335.0	64.03	335.0	72.87
340.0	64.59	340.0	74.09
345.0	64.98	345.0	74.67
350.0	64.94	350.0	74.93
355.0	64.42	355.0	74.47
360.0	63.03	360.0	73.37

2.1.13 Antenna Pattern (Device Horizontal Header Up – Mid Channel)

Azimuth Chart: Horizontal



Azimuth Chart: Vertical



Frequency 2440.000 MHz [AziChart_ver.Result:1]

Azimuth Horizontal (deg)	Frequency 2440 MHz (dBμV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2440 MHz (dBμV/m @ 3m)
0.0	63.61	0.0	73.98
5.0	62.56	5.0	73.71
10.0	61.23	10.0	73.63
15.0	58.66	15.0	73.78
20.0	53.97	20.0	73.96
25.0	44.97	25.0	73.78
30.0	44.63	30.0	72.67
35.0	52.87	35.0	71.25
40.0	53.83	40.0	69.65
45.0	53.97	45.0	67.26
50.0	54.15	50.0	65.71
55.0	49.74	55.0	65.60
60.0	50.34	60.0	66.07
65.0	57.08	65.0	65.67
70.0	58.03	70.0	68.37
75.0	59.31	75.0	70.18
80.0	61.19	80.0	70.23
85.0	62.71	85.0	70.51
90.0	65.16	90.0	71.68
95.0	67.17	95.0	73.57
100.0	67.26	100.0	75.11
105.0	68.69	105.0	75.28
110.0	69.21	110.0	73.49
115.0	68.58	115.0	69.62
120.0	68.88	120.0	64.24
125.0	68.75	125.0	64.61
130.0	68.46	130.0	68.19
135.0	68.82	135.0	70.15
140.0	69.56	140.0	70.33
145.0	70.29	145.0	69.71
150.0	70.66	150.0	68.89
155.0	70.56	155.0	68.12

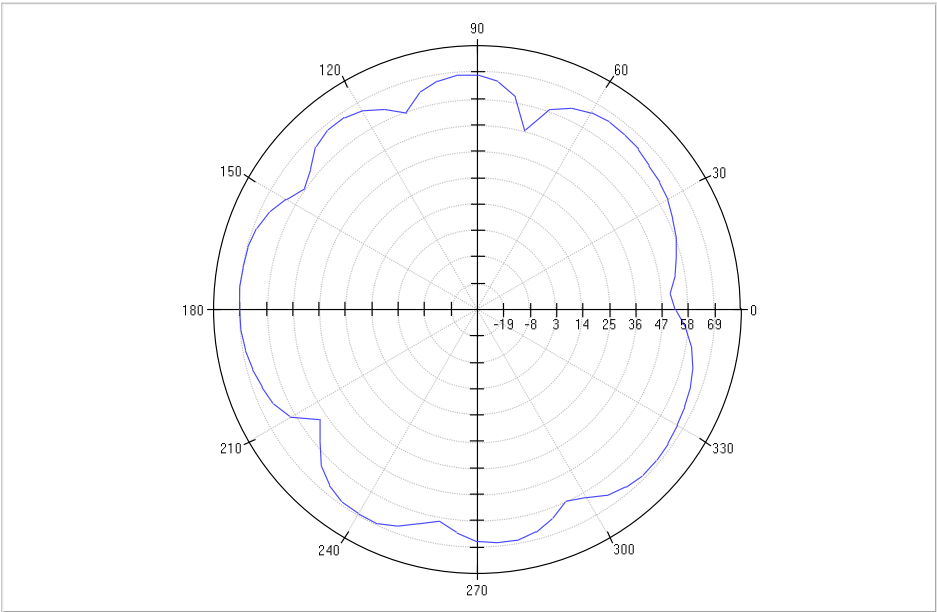


160.0	70.40	160.0	67.44
165.0	70.24	165.0	66.36
170.0	70.02	170.0	64.05
175.0	69.46	175.0	58.84
180.0	68.37	180.0	46.58
185.0	67.07	185.0	63.06
190.0	65.51	190.0	68.96
195.0	63.12	195.0	73.36
200.0	62.67	200.0	76.60
205.0	63.56	205.0	78.57
210.0	64.88	210.0	79.64
215.0	65.88	215.0	79.55
220.0	64.89	220.0	77.93
225.0	64.60	225.0	75.51
230.0	60.50	230.0	75.45
235.0	59.32	235.0	77.63
240.0	57.82	240.0	78.46
245.0	59.37	245.0	76.63
250.0	58.56	250.0	71.68
255.0	61.12	255.0	55.02
260.0	59.81	260.0	66.43
265.0	60.48	265.0	67.86
270.0	58.13	270.0	62.89
275.0	59.22	275.0	62.73
280.0	61.12	280.0	68.66
285.0	63.92	285.0	69.91
290.0	64.89	290.0	68.79
295.0	66.24	295.0	63.87
300.0	67.23	300.0	51.42
305.0	67.69	305.0	61.06
310.0	68.16	310.0	63.97
315.0	69.00	315.0	65.58
320.0	68.84	320.0	66.87
325.0	68.50	325.0	68.81
330.0	68.27	330.0	70.41
335.0	68.07	335.0	71.42
340.0	67.40	340.0	72.26
345.0	66.38	345.0	73.06
350.0	64.99	350.0	73.59
355.0	64.16	355.0	74.01
360.0	63.77	360.0	74.03



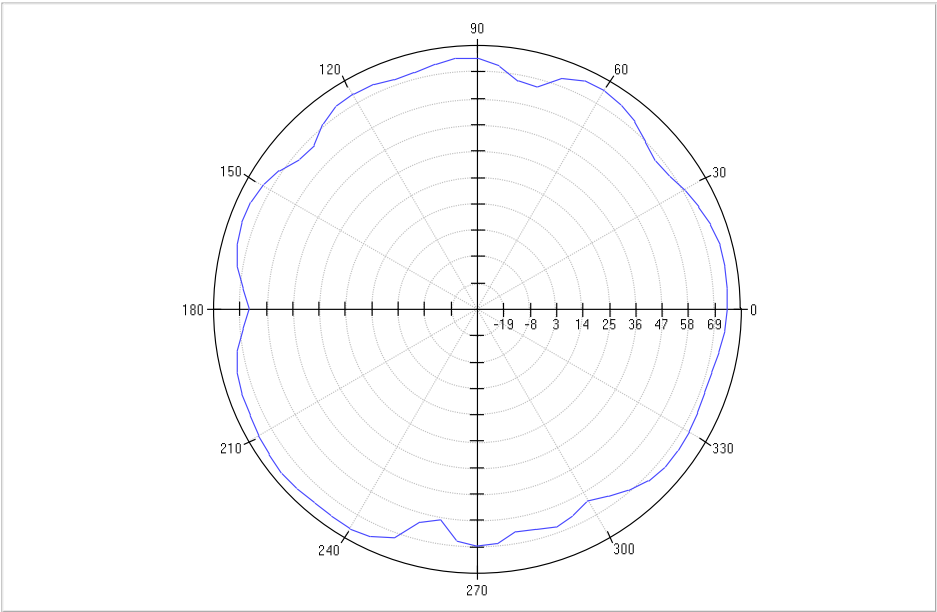
2.1.14 Antenna Pattern (Device Horizontal Header Up – High Channel)

Azimuth Chart: Horizontal



Frequency 2480.000 MHz [AziChart_hor.Result:1]

Azimuth Chart: Vertical



Frequency 2480.000 MHz [AziChart_ver.Result:1]



Azimuth Horizontal (deg)	Frequency 2480 MHz (dBµV/m @ 3m)	Azimuth Vertical (deg)	Frequency 2480 MHz (dBµV/m @ 3m)
0.0	52.60	0.0	74.06
5.0	50.81	5.0	74.65
10.0	53.58	10.0	74.82
15.0	55.70	15.0	74.45
20.0	58.39	20.0	73.53
25.0	59.97	25.0	71.85
30.0	61.45	30.0	69.74
35.0	62.77	35.0	67.26
40.0	63.60	40.0	66.79
45.0	64.87	45.0	69.06
50.0	65.39	50.0	72.11
55.0	65.76	55.0	74.35
60.0	64.69	60.0	75.26
65.0	62.57	65.0	75.05
70.0	58.56	70.0	72.38
75.0	46.88	75.0	66.17
80.0	60.09	80.0	66.47
85.0	65.49	85.0	71.94
90.0	67.73	90.0	74.62
95.0	67.93	95.0	74.89
100.0	66.87	100.0	73.49
105.0	63.60	105.0	72.20
110.0	56.88	110.0	72.08
115.0	61.81	115.0	73.21
120.0	65.71	120.0	73.72
125.0	67.29	125.0	72.79
130.0	67.27	130.0	70.37
135.0	65.28	135.0	66.36
140.0	60.92	140.0	67.04
145.0	58.04	145.0	70.94
150.0	62.23	150.0	73.37
155.0	66.06	155.0	74.58
160.0	68.28	160.0	74.71
165.0	69.17	165.0	73.83
170.0	69.35	170.0	71.70
175.0	69.34	175.0	68.20
180.0	69.22	180.0	65.16
185.0	68.84	185.0	68.19
190.0	68.12	190.0	71.55
195.0	67.18	195.0	73.53
200.0	65.74	200.0	74.44
205.0	63.82	205.0	74.76
210.0	59.73	210.0	75.42
215.0	50.09	215.0	76.17
220.0	55.84	220.0	76.45
225.0	62.39	225.0	76.08
230.0	65.70	230.0	75.50
235.0	68.10	235.0	75.61
240.0	68.70	240.0	75.84
245.0	68.43	245.0	74.62
250.0	66.00	250.0	71.26
255.0	62.66	255.0	62.11
260.0	59.63	260.0	59.32
265.0	63.60	265.0	67.24
270.0	66.46	270.0	68.83
275.0	67.73	275.0	68.09
280.0	67.62	280.0	64.17
285.0	65.96	285.0	65.23
290.0	62.39	290.0	66.48
295.0	58.02	295.0	64.47
300.0	60.53	300.0	62.23
305.0	64.33	305.0	65.11
310.0	66.71	310.0	68.46

315.0	67.93	315.0	46.69
320.0	67.77	320.0	47.96
325.0	66.95	325.0	48.65
330.0	66.12	330.0	50.19
335.0	65.50	335.0	49.07
340.0	64.45	340.0	48.24
345.0	62.98	345.0	47.41
350.0	60.76	350.0	47.20
355.0	57.17	355.0	48.52
360.0	52.75	360.0	48.95

2.1.15 Antenna Gain Calculation

Maximum field strength recorded at 3 meters = 79.64dBμV/m

EIRP is calculated using the formula: $EIRP = E_{Meas} + 20\log(d_{Meas}) - 104.7$

$EIRP = 79.64\text{dB}\mu\text{V/m} + 20 \log (3 \text{ meters}) - 104.7$

$EIRP = -15.5\text{dBm}$

Antenna gain therefore is -15.5 dBi assuming 0dBm power at the antenna terminal.

2.1.16 Test Equipment Used

Instrument	Manufacturer	Type No	TE No	Calibration Period (months)	Calibration Expires
ESW44 EMI Test Receiver	Rohde & Schwarz	ESW44	68302	1 year	17-Feb-2027
1-10 GHz Broad-Band Horn Antenna	Schwarzbeck Mess-Elektronik	BBHA 9120 B	69563	1 year	16-Dec-2027

Table 3

3 Photographs

3.1 Equipment Under Test (EUT)

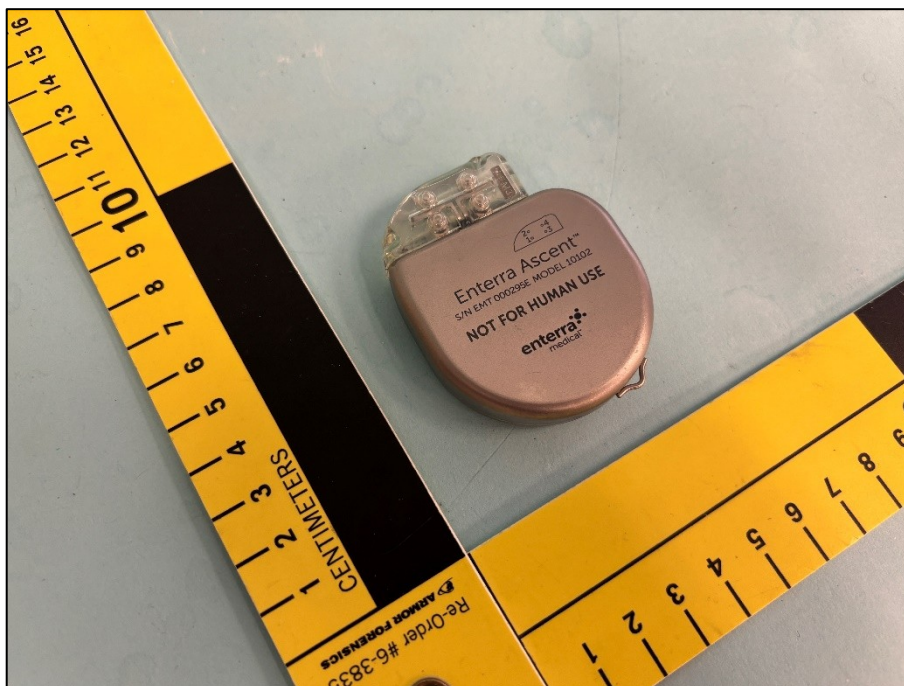


Figure 6 – Host IPG



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	Omega	iBTHX-W	30215	1 year	31-Jul-2027

4.2 Customer Support Equipment

The following customer supplied test equipment was used during testing covered by this document.

Instrument	Manufacturer	Type No	Serial Number	Calibration Period (months)	Calibration Due
-	-	-	-	-	-

Table 4

5 Measurement Uncertainty

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

Test Name	Measurement Uncertainty
Radiated Spurious Emissions	5.94dB (30MHz to 1GHz)
	4.71dB (1GHz to 40GHz)

Table 5

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.