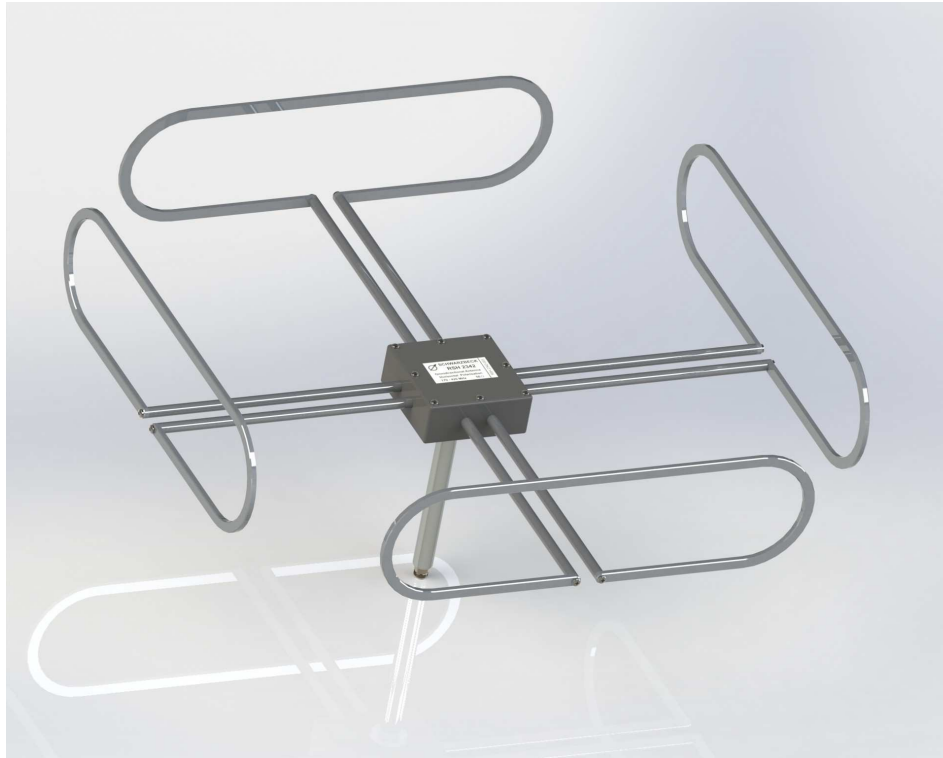


# SCHWARZBECK MESS - ELEKTRONIK

An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

## RSH 2342 Horizontal polarisierte VHF Rundstrahlantenne RSH 2342 Horizontal Polarised Omnidirectional VHF Antenna



### Technische Daten:

Horizontal polarisierte UHF Rundstrahlantenne für Empfangs- und Sendebetrieb im Mobil- und Stationäreinsatz. Eine typische Anwendung ist die DVB-T-Versorgungsmessung (DTMB, ATSC oder ISDB-T) mittels Funkmeßwagen.

Frequenzbereich: 170 - 350 MHz  
Anschluß: Buchse 50  $\Omega$  N  
Befestigungsrohr: 22 mm  
Isotropgewinn: typ. -2...+/- 3 dBi  
Antennenwandlungsmaß: 16 ... 25 dB/m  
Abweichung von idealer Rundstrahlcharakteristik: typ. < +/- 2 dB  
Vertikales Richtdiagramm: Dipol-förmig  
Max. Eingangsleistung: 200 W  
Gewicht: 3 kg  
Abmessungen: 720 x 720 x 390 mm  
Empfohlener Abstand der Elemente zum Wagendach: > 0.5 m

### Specifications:

Horizontal polarised omnidirectional Antenna for mobile and stationary receive and transmit applications. A typical application is the DVB-T (DTMB, ATSC or ISDB-T) coverage measurement using measurement vehicles.

Frequency range:  
Connector: female  
Mounting tube:  
Isotropic gain:  
Antenna Factor:  
Deviation from perfect omnidirectional pattern:  
Vertical pattern: Dipole shape

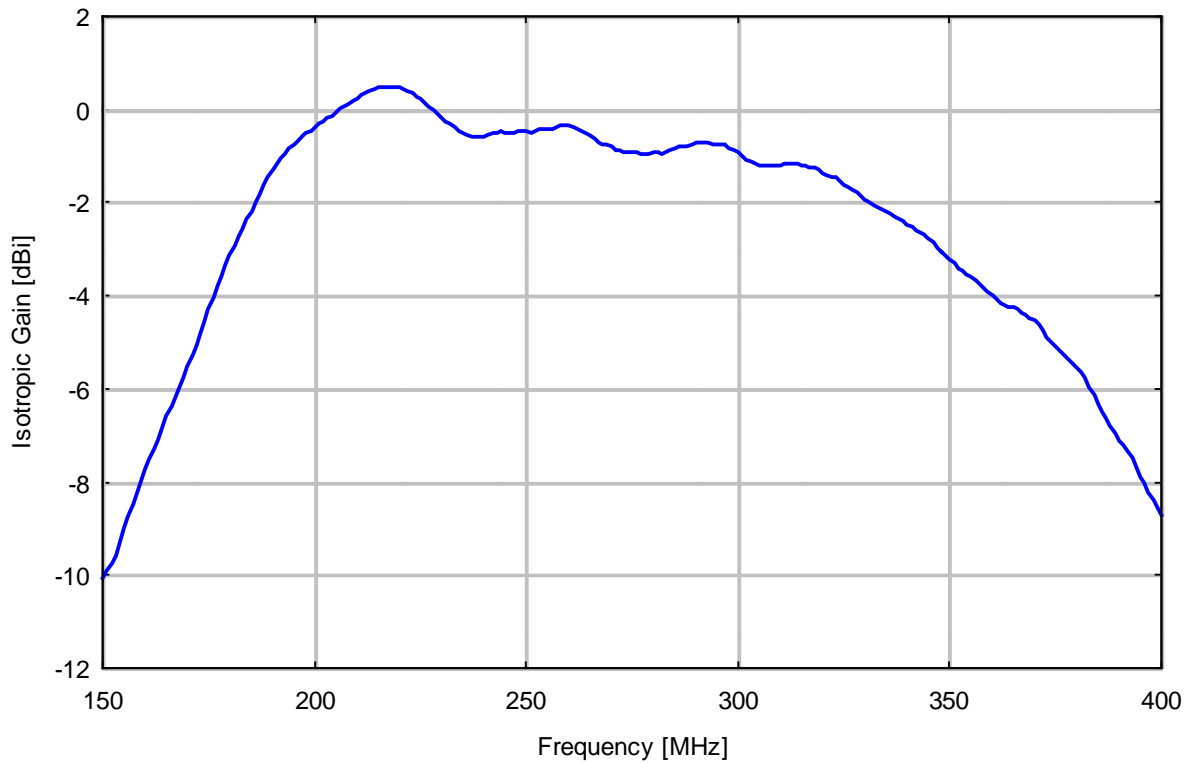
Max. Input Power:  
Weight:  
Dimensions:  
Recommended Spacing between Elements and Rooftop:

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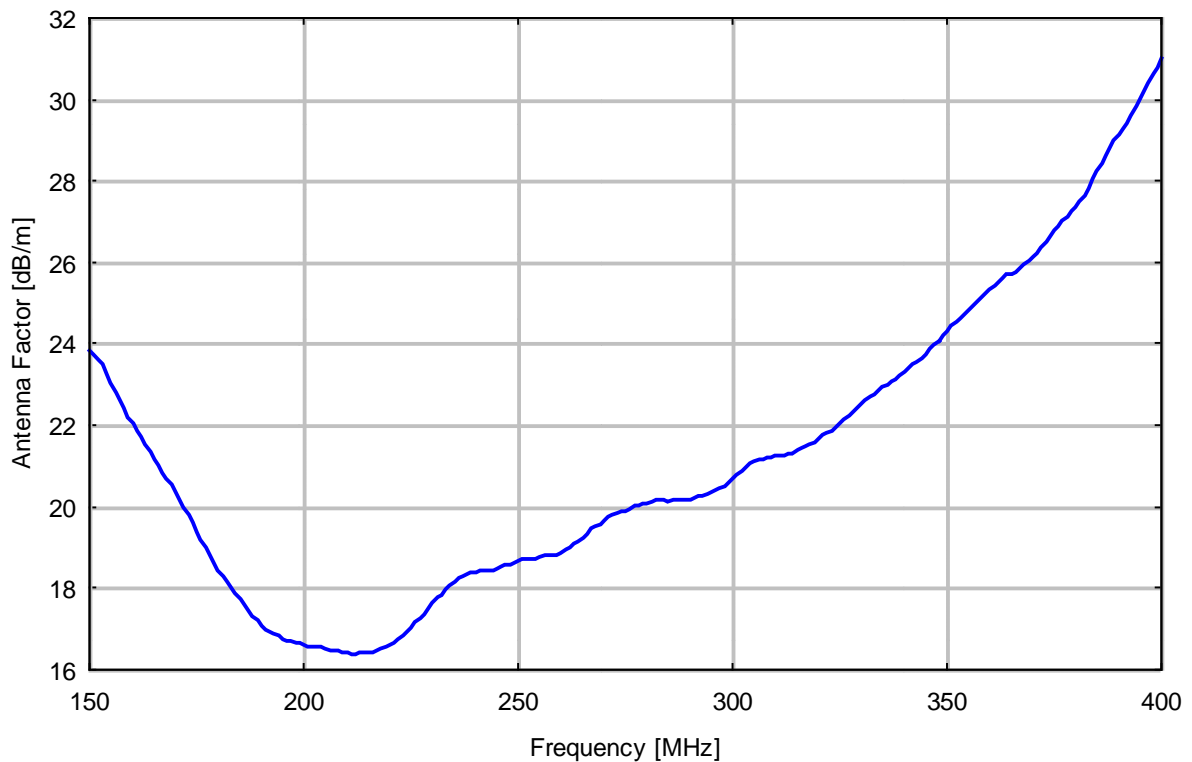
An der Klinge 29 D-69250 Schönau Tel.: 06228/1001 Fax.: (49)6228/1003

**RSH 2342 Horizontal polarisierte VHF Rundstrahlantenne**  
**RSH 2342 Horizontal Polarised Omnidirectional VHF Antenna**

### Isotropgewinn



### Antennenwandlungsmaß



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Frequency MHz	Gain(Isotr.) dBi	Ant.-Factor dB/m
150.00	-10.08	23.82
151.00	-9.92	23.72
152.00	-9.75	23.61
153.00	-9.58	23.50
154.00	-9.28	23.25
155.00	-8.99	23.02
156.00	-8.74	22.82
157.00	-8.49	22.63
158.00	-8.23	22.42
159.00	-7.96	22.21
160.00	-7.72	22.03
161.00	-7.51	21.86
162.00	-7.30	21.71
163.00	-7.06	21.53
164.00	-6.82	21.34
165.00	-6.58	21.15
166.00	-6.37	21.00
167.00	-6.18	20.85
168.00	-5.97	20.70
169.00	-5.75	20.53
170.00	-5.52	20.34
171.00	-5.28	20.16
172.00	-5.06	19.99
173.00	-4.83	19.81
174.00	-4.57	19.60
175.00	-4.30	19.38
176.00	-4.04	19.17
177.00	-3.80	18.98
178.00	-3.58	18.81
179.00	-3.36	18.63
180.00	-3.12	18.45
181.00	-2.91	18.28
182.00	-2.72	18.14
183.00	-2.55	18.02
184.00	-2.37	17.88
185.00	-2.17	17.73
186.00	-1.97	17.58
187.00	-1.80	17.45
188.00	-1.63	17.33
189.00	-1.47	17.22
190.00	-1.30	17.09
191.00	-1.15	16.99
192.00	-1.03	16.92
193.00	-0.94	16.87
194.00	-0.84	16.82
195.00	-0.74	16.76
196.00	-0.65	16.72
197.00	-0.58	16.69
198.00	-0.52	16.67
199.00	-0.45	16.64
200.00	-0.37	16.61
201.00	-0.30	16.58
202.00	-0.24	16.57
203.00	-0.18	16.55

Frequency MHz	Gain(Isotr.) dBi	Ant.-Factor dB/m
204.00	-0.13	16.54
205.00	-0.06	16.51
206.00	0.01	16.49
207.00	0.07	16.46
208.00	0.13	16.45
209.00	0.19	16.44
210.00	0.25	16.42
211.00	0.31	16.39
212.00	0.36	16.39
213.00	0.39	16.40
214.00	0.42	16.41
215.00	0.46	16.41
216.00	0.48	16.43
217.00	0.48	16.46
218.00	0.48	16.51
219.00	0.46	16.56
220.00	0.46	16.61
221.00	0.44	16.67
222.00	0.40	16.75
223.00	0.35	16.83
224.00	0.29	16.93
225.00	0.22	17.04
226.00	0.16	17.15
227.00	0.08	17.26
228.00	-0.00	17.38
229.00	-0.09	17.51
230.00	-0.19	17.64
231.00	-0.26	17.76
232.00	-0.32	17.85
233.00	-0.39	17.95
234.00	-0.46	18.06
235.00	-0.52	18.17
236.00	-0.56	18.24
237.00	-0.57	18.28
238.00	-0.57	18.32
239.00	-0.58	18.37
240.00	-0.57	18.40
241.00	-0.56	18.42
242.00	-0.52	18.42
243.00	-0.49	18.42
244.00	-0.48	18.45
245.00	-0.49	18.49
246.00	-0.50	18.54
247.00	-0.49	18.56
248.00	-0.47	18.58
249.00	-0.47	18.61
250.00	-0.48	18.66
251.00	-0.49	18.71
252.00	-0.48	18.73
253.00	-0.44	18.72
254.00	-0.42	18.73
255.00	-0.41	18.76
256.00	-0.41	18.80
257.00	-0.40	18.82

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Frequency MHz	Gain(Isotr.) dBi	Ant.-Factor dB/m
258.00	-0.36	18.81
259.00	-0.33	18.82
260.00	-0.35	18.87
261.00	-0.40	18.95
262.00	-0.44	19.02
263.00	-0.46	19.08
264.00	-0.49	19.14
265.00	-0.55	19.24
266.00	-0.63	19.35
267.00	-0.70	19.45
268.00	-0.74	19.52
269.00	-0.77	19.58
270.00	-0.81	19.65
271.00	-0.86	19.74
272.00	-0.89	19.80
273.00	-0.91	19.85
274.00	-0.91	19.88
275.00	-0.90	19.91
276.00	-0.91	19.95
277.00	-0.94	20.01
278.00	-0.95	20.05
279.00	-0.94	20.07
280.00	-0.92	20.08
281.00	-0.92	20.12
282.00	-0.94	20.16
283.00	-0.93	20.18
284.00	-0.88	20.17
285.00	-0.84	20.15
286.00	-0.81	20.16
287.00	-0.80	20.18
288.00	-0.78	20.19
289.00	-0.75	20.19
290.00	-0.73	20.19
291.00	-0.72	20.22
292.00	-0.72	20.25
293.00	-0.73	20.28
294.00	-0.74	20.32
295.00	-0.74	20.35
296.00	-0.75	20.40
297.00	-0.77	20.45
298.00	-0.82	20.52
299.00	-0.88	20.61
300.00	-0.93	20.70
301.00	-0.99	20.78
302.00	-1.06	20.88
303.00	-1.12	20.97
304.00	-1.18	21.06
305.00	-1.22	21.12
306.00	-1.22	21.16
307.00	-1.22	21.18
308.00	-1.20	21.19
309.00	-1.19	21.21
310.00	-1.19	21.23
311.00	-1.17	21.24
312.00	-1.15	21.26

Frequency MHz	Gain(Isotr.) dBi	Ant.-Factor dB/m
313.00	-1.15	21.28
314.00	-1.16	21.32
315.00	-1.19	21.38
316.00	-1.22	21.43
317.00	-1.23	21.47
318.00	-1.26	21.53
319.00	-1.30	21.59
320.00	-1.36	21.68
321.00	-1.40	21.75
322.00	-1.43	21.80
323.00	-1.47	21.87
324.00	-1.52	21.95
325.00	-1.60	22.05
326.00	-1.67	22.15
327.00	-1.73	22.24
328.00	-1.78	22.32
329.00	-1.86	22.42
330.00	-1.93	22.52
331.00	-2.00	22.62
332.00	-2.05	22.69
333.00	-2.09	22.76
334.00	-2.14	22.83
335.00	-2.19	22.92
336.00	-2.25	23.00
337.00	-2.31	23.08
338.00	-2.35	23.15
339.00	-2.41	23.23
340.00	-2.46	23.31
341.00	-2.53	23.40
342.00	-2.59	23.49
343.00	-2.64	23.57
344.00	-2.70	23.65
345.00	-2.77	23.74
346.00	-2.85	23.86
347.00	-2.95	23.98
348.00	-3.04	24.09
349.00	-3.13	24.20
350.00	-3.20	24.31
351.00	-3.31	24.43
352.00	-3.41	24.56
353.00	-3.47	24.65
354.00	-3.53	24.73
355.00	-3.59	24.82
356.00	-3.67	24.92
357.00	-3.77	25.05
358.00	-3.85	25.15
359.00	-3.92	25.24
360.00	-3.98	25.33
361.00	-4.06	25.43
362.00	-4.14	25.54
363.00	-4.22	25.64
364.00	-4.25	25.69
365.00	-4.26	25.72
366.00	-4.28	25.77
367.00	-4.35	25.86

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Frequency MHz	Gain(Isotr.) dBi	Ant.-Factor dB/m
368.00	-4.42	25.95
369.00	-4.47	26.03
370.00	-4.54	26.12
371.00	-4.62	26.23
372.00	-4.74	26.37
373.00	-4.88	26.53
374.00	-5.00	26.67
375.00	-5.09	26.79
376.00	-5.18	26.90
377.00	-5.26	27.01
378.00	-5.37	27.14
379.00	-5.47	27.26
380.00	-5.56	27.37
381.00	-5.65	27.49
382.00	-5.78	27.64
383.00	-5.95	27.83
384.00	-6.14	28.05

Frequency MHz	Gain(Isotr.) dBi	Ant.-Factor dB/m
385.00	-6.32	28.25
386.00	-6.50	28.45
387.00	-6.64	28.62
388.00	-6.80	28.79
389.00	-6.97	28.99
390.00	-7.10	29.14
391.00	-7.20	29.27
392.00	-7.34	29.43
393.00	-7.49	29.60
394.00	-7.69	29.82
395.00	-7.89	30.04
396.00	-8.04	30.22
397.00	-8.22	30.41
398.00	-8.41	30.63
399.00	-8.55	30.79
400.00	-8.73	30.99

