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1979/4	Big Wheel - An Omnidirectional Antenna for the 23 cm Band	T Morznick, DD0QT	203 - 207
1980/1	Two Stage Low Noise Preamplifiers for the Amateur Bands from 24 cm to 12 cm	J Grimm, DJ6PI	2 - 13
1980/4	A Home-Made Reflectometer for VHF and UHF Applications Manufactured from Plumbing Material	H C Als, DC4IQ	226 - 229
1981/1	ATV Transmitter for the 24 Cm Band	G Sattler, DJ4LB	25 - 30
1981/2	A Linear Amplifier for 1250 MHz Using the BFQ68	G Sattler, DJ4LB	95 - 98
1981/3	A 1.3 GHz Prescaler and Preamplifier for Frequency Counters	J Grimm, DJ6PI	130 - 134
1981/3	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF/SHF Applications	B Neubig, DK1AG	135 - 143
1981/4	A Home-Made UHF/SHF Power Meter	B Neubig, DK1AG	194 - 203
1981/4	A Noise Generator for VHF and SHF	O Frosinn, DF7OF	221 - 229
1982/1	Bias Voltage Circuits for Tubes of the 2C39/3CX100 Families	Michael Ulbricht, DB2GM	38 - 43
1982/3	A Helical Antenna for the 23 cm Band	Jan M Noeding, LA8AK	148 - 149
1983/3	A 1296 MHz/144 MHz Converter equipped with the GaAsFET 3SK97	Hans-J Grimm, DJ1SL	184 - 190
1983/4	A 1296 MHz / 144 MHz Converter Equipped with the GaAs-FET 3SK97	Hans Wessels, PA2HWG	232 - 234
1984/1	A 10 W Linear Amplifier for the 23 cm Band	Konrad Hupfer, DJ1EE	51 - 55
1985/4	SSB Mini Transverter 144 / 1296 MHz	Konrad Hupfer, DJ1EE	232 - 240
1986/1	A 20 W Linear Amplifier for the 23 cm Band	Konrad Hupfer, DJ1EE	38 - 40
1986/1	Two Band (1.2 - 2.4 GHz) Feed Horn for Parabolic Antennas	Harald Fleckner, DC8UG	47 - 52
1986/2	Microstrip Transverters for 23 and 13 cm Part 1	Matjaz Vidmar, YT3MV	96 - 107

Edition	Title	Author	Pages
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1986/3	Microstrip Transverters for 23 and 13 cm Part 2	Matjaz Vidmar, YT3MV	143 - 164
1987/2	A 250 W 23 cm Band Power Amplifier	Dragoslav Dobricic, YU1AW	92 - 98
1988/1	A 1296 MHz 200 mW Driver using SMD Technology	Armin Roesch, HB9MFL	54 - 59
1988/4	A Compact Hybrid Antenna for 2 m, 70 cm and 23 cm	Hannes Fasching, OE5JFL	212 - 217
1989/1	UHF and SHF Broadband Mixers	Joachim Berna, DL1YBL	39 - 45
1989/4	24/23 cm Band Linear Power Amplifier Module M57762	Carsten Vieland, DJ4GC	211 - 215
1990/4	An Unconditionally Stable, Low Noise GaAsFET Preamplifier	Dragoslav Dobricic, YU1AW	202 - 218
1991/1	The Trials and Modifications of a 23 cm Amplifier	A Vilaseca, HB9SLV	47 - 54
1992/3	Microwave Directional Coupler with Front-to-Back ratio made from Semi Rigid Circuits	Carsten Vieland, DJ4GC	130 - 139
1994/2	A Solid State Broadband 80 W Amplifier for 24 cm	Angel Vilaseca, HB9SLV	85 - 92
1997/1	Pre Mixer for 23 and 13 cm	Walter Zwickel, OE2TZL	20 - 29
1997/2	23 cm PSK Packet Radio Transceiver for 1.2 Mbit/s User Access	Matjaz Vidmar, S53MV	74 - 96
1997/3	A Broadband VHF-UHF-SHF Amplifier	Andre Jamet, F9HX	185 - 186
1999/3	Two Filters and a Diplexer for 23 cm	Ian Waters, G3KKD	178 - 184
2000/3	Microwave Multi Band Feed Second Generation	Freddy de Guchteneire, ON6UG	130 - 136
2003/1	Micro transmitter for L band	Paolo Pitacco, IW3QBN	2 - 7
2003/3	GH Quad linear amplifier for 23cm	Grant Hodgson, G8UBN	188 - 190
2003/3	L Band power amplifier for AO-40 uplink	Konrad Hupfer, DJ1EE	142 - 148
2008/2	G H Engineering PA1.3-100 23cm power amplifier	Andy Barter, G8ATD	106 - 114
2008/4	Retuning a GSM band PA from 900MHz to 1296MHz	Dtefan Przeliorz, SP9QZO	194 - 195
2010/4	Backpacking on 23cm	Andy Barter, G8ATD	243 - 248
2010/4	60 Watt amplifier for 23cm Amateur Band	Mihael Kuhne, DB6NT	230 - 236
2011/4	A simple transverter for the 1.3GHz band	Rafal Orodzinski, SQ4AVS	194 - 201

Topic**24GHz Band**

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2010/1

White Box Story - what make of PA?

Jean-Francois losca, F1LVO 12 - 15

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1977/2	Introduction to Microwave Techniques a Description of a 10 GHz Transceiver	Dr Ing A Hock, DC0MT	66 - 70
1977/3	Further Data for Construction of Horn Antennas for the 10 GHz Band	T Kolpin, DK1IS	167
1977/3	A Transceiver for 10 GHz Part 2	Dr Ing A Hock, DC0MT	168 - 178
1977/4	A Transceiver for 10 GHz Part 3	Dr Ing A Hock, DC0MT	247 - 255
1978/4	The 10 GHz Amateur Band - Consideration of Present and Future Technologies	D Vollhardt, DL3NQ	244 - 251
1979/1	The 10 GHz Amateur Band - Consideration of Present and Future Technologies - Part 2	D Vollhardt, DL3NQ	34 - 42
1979/1	Calibration Spectrum Generator for the Microwave Bands up to 10 GHz	U Mallwitz, DK3UC	43
1979/2	A Frequency Multiplier for Narrow Band 3 cm Band Communications	R Griek, DK2VF	66 - 73
1979/2	A 3 cm Primary Radiator for Parabolic Antennas	R Griek, DK2VF	74 - 75
1979/3	A Simple Radiator for 3 cm Parabolic Dishes	R Heidemann, DC3OS	151 - 153
1979/4	A Transceiver for the 10 GHz Band	J Reithofer, DL6MH	208 - 215
1980/1	SSB on the 10 GHz Band - Information Regarding a Future Description in VHF Communications	H Fleckner, DC8UG	51 - 52
1980/2	Automatic Frequency Control + Suppression of Acoustic Feedback in Conjunction with 10 GHz Transceiv	Dr M Wieser, OE7WMI	107 - 111
1980/3	SSB on the 10 GHz Band Part 1 : Generation of the Local Oscillator Frequency	H Fleckner, DC8UG	130 - 138
1980/3	Home Made Parabolic Dishes for Microwave Applications	S Reithofer, DL6MH	139 - 145
1981/1	SSB on the 10 GHz Band Part 3 : Intermediate Frequencies in the 2 m or 70 cm Band	H Fleckner, DC8UG	13 - 17
1981/1	Coaxial SHF Connectors Constructed from Bicycle Tire Valves	E Schaefer, DL3ER	36 - 37
1981/1	SSB on the 10 GHz Band Part 2 : Waveguide Modules	H Fleckner, DC8UG	2 - 12
1981/2	Chokes for Contactless Tuning of Waveguide Modules	E Schaefer, DL3ER	105 - 107
1981/2	Constant Amplitude PLL-SSB on the UHF and SHF Bands	O Frosinn, DF7OF	99 - 104
1981/2	A New Method of Mounting and Feeding Gunn Elements Using a BNC Connector	K Buchenrieder, DD0MQ	108 - 109
1981/3	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF/SHF Applications	B Neubig, DK1AG	135 - 143

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1982/2	Experiments with a 10 GHz Frequency Multiplier with Interdigital Filter Coupling	Uli Mallwitz, DK3UC	94 - 98
1983/1	A Stripline GaAs-FET Preamplifier and Mixer for the 10 GHz band, Part 1	Erwin Schaefer, DL3ER	42 - 48
1983/2	A Stripline GaAs-FET Preamplifier and Mixer for the 10 GHz band, Part 2	Erwin Schaefer, DL3ER	112 - 121
1984/1	A FM Transceiver for 10 GHz with Dielectrically Stabilised Oscillator	Jochen Jirmann, DB1NV	2 - 12
1984/2	A 10 GHz FM Transceiver with DSO Another Version with a 30 MHz Intermediate Frequency	Jochen Jirmann, DB1NV	89 - 90
1985/3	A Stable Crystal Controlled Source for 10.37 GHz	Jochen Jirmann, DB1V	146 - 152
1986/3	Tuneable VHF to SHF Bandpass Filter	Carsten Vieland, DJ4GC	177 - 185
1986/4	TV Satellite Receive System Part 1 : Low Noise 11 GHz Down Converter	Matjaz Vidmar, YT3MV	194 - 213
1988/1	Rear Feed Dish Radiator with Corrugated Horn	Dr Med Hans Schloter, DJ7GK	8 - 9
1989/1	UHF and SHF Broadband Mixer	Carsten Vieland, DJ4GC	39 - 45
1989/2	The Microline 3 Transverter System The Break Through in 10 GHz Experimental Communications Part 1	Jurgen Dahms, DC0DA	95 - 102
1989/2	Circular Waveguide Components at 10 GHz	Andrew Bell, GW4JJW	66 - 73
1989/3	The Microline 3 Transverter System The Break Through in 10 GHz Experimental Communications Part 2	Jurgen Dahms, DC0DA	172 - 186
1989/4	Screw Tuned Filter for the X Band	Carsten Vieland, DJ4GC	242 - 246
1990/1	An Injection Locked Oscillator for the 10 GHz Band	R G Sanson, ZL1TBG	2 - 4
1990/2	10 GHz Varactor Tuned Gunn Oscillator	Andrew Bell, GW4JJW	66 - 69
1990/3	Microwave Lense Antennas	Angel Vilaseca, HB9SLV	179 - 189
1990/4	A New Feed for the 3 cm Band	G Tomassetti, I4BER	244 - 247
1992/3	Doppler Radar in the 10 GHz Amateur Band Part 1	Jean-Pierre Morel, HB9RKR	169 - 181
1992/4	Doppler Radar in the 10 GHz Amateur Band Part 2	Jean-Pierre Morel, HB9RKR	209 - 225
1994/2	Dual Band Exciter for 10 GHz and 24 GHz	Josef Fehrenbach, DJ7FJ	111 - 116
1995/1	GaAsFET Power Amplifier Stages up to 5 W for 10 GHz	Peter Vogl, DL1RQ	52 - 63
1996/4	10 GHz EME, Basic Principles and Discoveries	Josef Fehrenbach, DJ7FJ	224 - 243
1997/1	A 10 GHz Super Regenerative Receiver	Andre Jamet, F9HX	2 - 12

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1998/1	Design and Assembly of a Noise Matched Hetro Junction GaAsFET 10.4 GHz Amplifier. Using PUFF	Harald Fleckner, DC8UG	18 - 29
1999/3	Dielectric Antenna for 3 cm	Bob Platts, G8ZOP	187 - 188
1999/3	Dielectric Antenna for 3 cm	Bob Platts, G8OZP	187 - 188
2000/3	Microwave Multi Band Feed Second Generation	Freddy de Guchteneire, ON6UG	130 - 136
2004/3	Franco's Finest. Low priced 10GHz preamplifiers	Gerard Galve, F6CXO	186 - 188
2005/4	Frequency input module for 10GHz ATV transmitter module	Alexander Meier, DG6RBP	206 - 216
2005/4	Frequency input module for 10GHz ATV transmitter module	Alexander Meier, DG6RBP	217 - 221
2007/4	1 watt power amplifier for 9 to 11GHz	Alexander Meier, DG6RBP	194 - 200
2010/3	A simple 10GHz power amplifier for beginners	Franco Rota, I2FHW	130 - 135
2011/2	A useful Dopler radar module	Carl G Lodstrom, KQ6AX, SM6MOM	102 - 106

Topic**3 m Band**

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1975/3	A Stereo VHF/FM Receiver with Frequency Synthesiser - Part 2: Construction	J Kestler, DK1OF	130 - 145
1975/4	A Stereo VHF/FM Receiver with Frequency Synthesiser - Part 3: Power Supply and notes	J Kestler, DK1OF	200 - 202

Topic**4 m Band**

Edition**Title****Author****Pages**

1969/2

The 70 MHz DL6SW FET Converter

D T Hayter, G3JHM

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2011/2

T470/T670 A 4m(6m) to 70cm transverter

Lapo Pieri, IK5NAX

79 - 88

Topic**47GHz band**

Edition**Title****Author****Pages**

2002/3

Amplifier For 47GHz Using Chip Technology

Sigurd Werener, DL9MFV

160 - 164

Topic**6 cm Band**

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1981/3	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF/SHF Applications	B Neubig, DK1AG	135 - 143
1981/4	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF/SHF Applications Part 2	B Neubig, DK1AG	194 - 203
1982/2	A Receive Converter for the 6 cm Band	Thomas Morzinck, DD0OT	89 - 93
1982/4	A 6 cm Transmitter for FM and SSB	Hans-J Senckel, DF5OZ	209 - 213
1983/4	A 6 cm Preamplifier equipped with the MGF1400 and a Push Pull Mixer for Transmit and Receive	Hans Wessels, PA2HWG	210 - 217
1987/4	5760 MHz Power Amplifier using YD1060	Roman Wesolowski, DJ6EP	204 - 209
1989/1	UHF and SHF Broadband Mixers	Carsten Vieland, DJ4GC	39 - 45
1991/1	A 6 cm Transverter using Stripline Technology, Part 1	Peter Vogl, DL1RQ	16 - 30
1991/2	A 6 cm Transverter using Stripline Technology, Part 2	Peter Vogl, DL1RQ	69 - 73
2000/3	Microwave Multi Band Feed Second Generation	Freddy de Guchteneire, ON6UG	130 - 136
2008/4	Review of Mini-Kits 6cm 1 Watt PA (EME141-5800)	Richard Giles, G4LBH	249 - 250
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1993/2	SSB Transceiver for 50 MHz using 50 ohm Modules - Part 3	Wolfgang Schneider, DJ8ES	101 - 108
2004/2	A modern 50/28MHz converter	Henning-Christof Weddig, DK5LV	95 - 115
2004/4	A modern 50/28MHz converter part 2	Henning-Christof Weddig, DK5LV	238 - 248
2006/3	Ultra linear low noise preamplifier for 6m	Dragoslav Dobriic, YU1AW	184 - 189
2007/1	Extending the 50MHz converter into a transverter	Henning C Weddig, DK5LV	19 -40
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Topic **70 cm Band**

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1969/2	432/144 MHz Converter with Silicon Transistor Complement	E Krahe, DL9GU	96 - 97
1969/2	432/144 MHz Converter with Silicon Transistor Complement	E Krahe, DL9GU	65 - 72
1969/4	A Ten Watt Transmitter for 70 cm	H J Franke, DK1PN	243 - 248
1970/2	A Universal VHF-UHF Transmitter for AM and FM	R Lentz, DL3WR	87 - 102
1970/2	Cheap Varactor Diodes for the 70 cm Transmitter, Using the EC8020 Tube	H J Franke, DK1PN	123
1970/3	Coaxial Low Pass Filter for VHF and UHF	H J Dohlus, DJ3OC	166 -178
1970/3	A Universal VHF-UHF Transmitter for AM and FM, Part 2	R Lentz, DL3WR	153 - 159
1970/4	A Simple VHF-UHF Calibration Spectrum Generator	K Eichel, DC6HY	240 - 243
1970/4	Stripline Transverter for 70 cm	K Eichel, DC6HY	225 - 239
1971/1	A 70 cm Transmitter with VXO Exciter	E Berberich, DL8ZX	33 - 39
1971/2	Simple Stripline Reflectometers for 144 MHz and 432 MHz	R Griek, DK2VF	89 - 92
1971/2	A 28 MHz - 432 MHz Transmit Converter with FET Mixer	F Weingartner, DJ6ZZ	99 - 106
1971/3	A Ground Station for Satellite Communications via OSCAR 6	Dr A Gschwindt, HA8WH	145 - 149
1971/4	Stripline Bandpass Filter for 70 cm	J Reihofner, DL6MH	222 - 223
1971/4	Simple 70 cm Transverter for Portable Equipment	J Reithofer, DL6MH	217 - 221
1971/4	Inexpensive Varactor Diodes	Editors	221
1972/2	An 18 W Power Amplifier for 432 MHz with Printed Striplines	K Hupfer, DJ1EE	88 - 91
1972/3	A Stripline Power Amplifier for 70 cm Using a 2C39 Tube	A Tautrim, DJ2PU	144 - 157
1973/3	Receive Converter 432 MHz / 28 MHz, Matching the Transmit Converter DJ6ZZ 002	J Dahms, DC0DA	160 - 164
1973/3	Miniature Receive Converter for 432 MHz/144 MHz for Portable Operation and DF Hunts	G Hoffschildt, DL9FX	173 - 176
1974/1	Transistorised Linear Amplifier for 70 cm	G Freytag, DJ3SC	30 - 37
1974/2	A linear Transverter for 2 m / 70 cm with Double Conversion	W Rahe, DC8NR	89 - 106
1975/2	A Versatile 70 cm Converter with Schottky Diode Mixer	B Lubbe, DJ5XA	83 - 89
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1976/3	A Transmit Converter for 432 MHz with Schottky Ring Mixer	F Weingartner, DJ6ZZ	142 - 150
1977/1	Two Stage ATV Linear Amplifier for 435 MHz	G Sattler, DJ4LB	10 - 13
1977/2	A Coaxial Line Power Amplifier for 70 cm Equipped with 4CX250B	W Rahe, DC8NR	71 - 84
1977/2	The 70 cm FM Transceiver ULM 70 Part 1: Introduction, Block Diagrams, Variations	I Sangmeister, DJ7OH	104 - 108
1977/3	The 70 cm FM Transceiver ULM 70 Part 2: The receiver	I Sangmeister, DJ7OH	130 - 142
1977/3	A Simple Bandpass Filter for the 70 cm band	H J Brandt, DJ1ZB	152 - 156
1977/4	A New Concept for 2 m to 70 cm Transverters	E Berberich, DL8ZX	229 - 232
1977/4	The 70 cm FM Transceiver ULM 70 Part 3: The transmitter	I Sangmeister, DJ7OH	194 - 203
1978/1	A New Type of Preampifier for 145 MHz and 435 MHz Receivers	M Martin, DJ7VY	30 - 36
1978/1	The 70 cm FM Transceiver ULM 70 Part 4: Mechanical construction and wiring	I Sangmeister, DJ7OH	42 - 47
1978/2	The ULM 70 S - An FM Transceiver for the 70 cm band with Synthesiser	I Sangmeister, DJ7OH	85 - 99
1978/2	Harmonic Filter for the ULM 70 and ULM 70 S Transceivers	I Sangmeister, DJ7OH	82 - 84
1978/3	The Frequency Control Loop for a 433 MHz VCO	T Krieg, DK8GY	186 - 190
1980/3	Modern Receive Converter for 70 cm Receivers, Using DJ7VY 002 on the 70 cm band	M Lass, DJ3VY	148 - 154
1980/4	A Simple Two Band Omnidirectional Antenna for 2 m and 70 cm	K J Schopf, DB3TB	230 - 231
1980/4	A Home Made Reflectometer for VHF and UHF Applications, Manufactured from plumbing materials	H C Als, DC4IQ	226 - 229
1981/1	A Portable Home Made YAGI Antenna for the 70 cm band	H J Griem, DJ1SL	18 - 24
1981/3	A Ring Mixer Module for the DJ4LBI ATV Transmitter	B Roessle, DJ1JZ	167 - 172
1982/1	A Noise Generator for VHF and UHF	Michael Ulbricht, DB2GM	38 - 43
1982/3	Using the GaAs-FET S 3030 in a 70 cm Preampifier	Editors	139 - 141
1982/4	A Compact 70 cm Transverter for 2 m Transceivers	Bernd Bartkowiak, DK1VA	227 - 235
1983/3	A 2 m / 70 cm SSB Transmitter with High Spurious Rejection Part 1	Gunther Borchert, DF5FC	163 - 170
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1986/1	Active Probe Scaler 400 - 1300 MHz	A R Jenkins, ZL2TVT	13 - 17
1986/2	A Miniature 70 cm Handheld FM Transceiver	Jochen Jirmann, DB1NV	85 - 95
1987/1	Dimensioning Stacked Yagi Antennas Using the Superposition Technique	Wolfgang Borschel, DK2DO	27 - 30
1987/3	Additional Notes on the 70 cm Handheld DB1NV 004	G Prokoph, DL5NP	150 -151
1988/1	A 2 m / 70 cm Antenna Splitting Filter	Joachim Kestler, DK1OF	26 - 30
1988/1	Wideband Power Divider / Combiner for the 2 m and 70 cm bands	Konrad Hupfer, DJ1EE	2 - 7
1988/1	70 cm Converter Using GaAs-FET CF300	Wolfgang Schneider, DD2EK	50 - 53
1988/4	432 MHz Linear PA Using 3 x 2C39BA	Dragoslav Dobricic, YU1AW	233 - 237
1988/4	A Compact Hybrid Antenna for 2 m , 70 cm and 23 cm	Hannes Fasching, OE5JFL	212 - 217
1989/1	UHF and SHF Broadband Mixers	Carsten Vieland, DJ4GC	39 - 45
1990/2	Universal Synthesiser for Frequencies up to and above 1000 MHz, Part 1	Gunther Borchert, DF5FC	99 - 104
1990/3	Universal Synthesiser for Frequencies up to and above 1000 MHz, Part 2 (Conclusion)	Gunther Borchert, DF5FC	139 - 156
1990/4	Simple Improvements to the DK2VF Microstrip Directional Coupler	Jochen Dreier, DG8SG	250 - 253
1994/3	Radio Astronomical Experiments in the 70 cm band	Dr Ing Jochen Jirmann, DB1NV	166 - 173
1995/2	A 28 / 432 MHz Transverter	Wolfgang Schneider, DJ8ES	98 - 106
1997/3	A Broadband VHF-UHF-SHF Amplifier	Andre Jamet, F9HX	185 - 186
2000/3	Low Pass Filter for 2 m and 70 cm	Gerhard Schmitt, DJ5AP	156 - 166
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2003/3	76GHz amplifier	Sigurd Werner, DL9MFV	163 - 169
2003/4	New transmitter with higher performance for 76GHz	Sigurd Werner, DL9MFV	194 - 198
2004/1	Combining power at 76GHz: Three possible solutions discussed	Sigurd Werner, DL9MFV	13 - 19
2004/3	Frequency doubler for 76GHz with 130/160mW output	Sigurd Werner, DL9MFV	150 - 155
2004/3	Low noise, high performance amplifiers for 76GHz	Sigurd Werner, DL9MFV	139 - 149
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1978/3	Interdigital Converters for the GHz Amateur bands.	J Dahms, DC0DA	154 - 168
1979/3	SSB Transmit Mixers for the SHF bands Part 2 : The 9 cm band	R Heidemann, DC3OS	144 - 150
1980/4	Local Oscillator, Transmit Mixer and Linear Amplifier for the 9 cm band	H J Senckel, DF5OZ	236 - 245
1981/2	Constant Amplitude PLL SSB on the UHF and SHF bands	O Frosinn, DF7OF	99 - 104
1981/3	An Extremely Low Noise 96 Mhz Crystal Oscillator for UHF / SHF Applications	B Neubig, DK1AG	135 - 143
1981/4	An Extremely Low Noise 96 Mhz Crystal Oscillator for UHF / SHF Applications, Part 2	B Neubig, DK1AG	194 - 203
1982/3	A Power Amplifier for 3456 MHz	Klaus Brocker, DK1UV	142 - 147
1982/3	Bias Voltage Circuits for Tubes 2C39 / 3CX100	Jan M Noeding, LA8AK	148 - 149
1984/1	An SSB Transmit Mixer and Linear Amplifier for 3456 MHz	Horst Burfeindt, DC9XG	13 - 22
1989/1	UHF and SHF Broadband Mixers	Carsten Vieland, DJ4GC	39 - 45
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1989/4	9 cm Band Tube PA Stage	Roman Wesolowski, DJ6EP	232 - 241
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Topic **Amateur Television**

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1973/1	An ATV Pulse Centre	K Wilk, DC6YF	54 - 59
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1973/3	TV Pattern Generator	K Wilk, DC6YF	177 - 189
1973/4	TV Pattern Generator, Additional Board Grid and Dot Generator	K Wilk, DC6YF	250 - 254
1974/3	A Domestic TV Receiver as a Video Monitor	K Wilk, DC6YF	186 - 190
1975/2	Modifications to the ATV Transmitter DJ4LB	P A Johnson, G8EIM	111 - 115
1975/2	A Veratile 70 cm Converter with Schottky Diode Mixer	B Lubbe, DJ5XA	83 - 89
1976/1	ATV Information	J Grimm, DJ6PI	19 - 23
1976/2	ATV Information	J Grimm, DJ6PI	90 - 95
1976/2	Receive Converter with Schottky Diode Mixer for 24 cm	B Lubbe, DJ5XA	80 - 89
1976/3	Estimating the Signal To Noise Ratio of an ATV Link	R Lentz, DL3WR	155 - 157
1977/1	A Vestigial Sideband Filter for ATV	J Grimm, DJ6PI	14 - 18
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1994/3	A DIY Receiver for GPS and GLONASS Satellites, Part 3	Matjaz Vidmar, S53MV	151 - 165
1994/4	A DIY Receiver for GPS and GLONASS Satellites, Part 3b Quadrifilar Backfire Helix Antenna	Matjaz Vidmar, S53MV	197 - 200
1995/1	A DIY Receiver for GPS and GLONASS Satellites, Part 4	Matjaz Vidmar, S53MV	35 - 51
1995/2	A DIY Receiver for GPS and GLONASS Satellites, Part 5	Matjaz Vidmar, S53MV	78 - 90
1995/3	A DIY Receiver for GPS and GLONASS Satellites, Part 6	Matjaz Vidmar, S53MV	153 - 167
1995/4	A DIY Receiver for GPS and GLONASS Satellites, Part 7	Matjaz Vidmar, S53MV	194 - 205
1997/3	Tips, Improvements and Corrections . A GPS & GLONASS Satellite Receiver	Matjaz Vidmar, S53MV	187 - 189
1997/4	GPS / GLONASS Receiver Hardware and Software Update #1	Matjaz Vidmar, S53MV	252 - 253

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1996/2	An Ultra Low Cost HF SSB/CW Transceiver with 20W Output, an AGC Meter, S Meter and Audio Filter, Pt1	Denys Roussel, F6IWF	94 - 110
1996/3	An Ultra Low Cost HF SSB/CW Transceiver with 20W Output, an AGC Meter, S Meter and Audio Filter, Pt2	Denys Roussel, F6IWF	148 - 156
1997/4	An Exceptionally Low Cost HF SSB/CW Transceiver, Part 3 : Description of Assembly	Denys Roussel, F6IWF	218 - 236
1998/1	An Exceptionally Low Cost HF SSB/CW Transceiver, Part 4 : Assembly Instructions	Denys Roussel, F6IWF	35 - 45
1998/2	HF Synthesiser 5 to 1450 MHz, Part 1	Bernd Kaa, DG4RBF	103 - 121
1998/3	HF Synthesiser 5 to 1450 MHz, Part 2	Bernd Kaa, DG4RBF	159 - 181
1999/1	Tips On and Improvements to : HF Synthesiser from Bernd Kaa (Issue 2 and 3/1998)	Bernd Kaa, DG4RBF	35 - 37
2009/2	Top loaded vertical DX antenna for 80m	Wolfgang Schneider, DJ8ES	96 - 103

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1970/1	A Transistorised Calibration Spectrum Generator for Two Metres	H Gotting, DL3XW	41 - 44
1970/1	A Calibration Spectrum Generator for Two Meters	H Gotting, DL3XW	38 - 40
1970/4	A Simple VHF-UHF Calibration Spectrum Generator	K Eichel, DC6HY	240 - 243
1970/4	Neutralisation of the DL3XW / DJ4BG Calibration Spectrum Generator	D E Schmitzer, DJ4BG	244
1971/1	A Simple Method of Measuring the Frequency Deviation	C Grey, VE2AQX	40 - 43
1971/2	Simple Stripline Reflectometers for 144 and 432 MHz	R Griek, DK2VF	89 - 92
1971/3	A Four Digit Frequency Counter Module for Frequencies up to 30 MHz	F Weingartner, DJ6ZZ	159 - 171
1971/3	A Wideband Preamplifier for Frequency Counters up to 60 MHz	W R Kritter, DL8TM	156 - 158
1971/4	A Digital Calibration Spectrum Generator	D E Schmitzer, DJ4BG	194 - 205
1972/1	A Digital Calibration Spectrum Generator. Part 2 : 1.001 MHz Accesory and Power Supply	D E Schmitzer, DJ4BG	20 - 25
1972/2	A 200 kHz Receiver for Synchronising 1 MHz Oscillator to the Droitwich Longwave Transmitter	E Schmitzer, DJ4BG	111 - 118
1972/3	A Simple FET Tester	H Matuschek, DJ3MY	180 - 183
1972/3	Home Made Reflectometer for 100 - 1400 MHz	R Griek, DK2VF	164 - 166
1972/4	Further Developments of the Four Digit Frequency Counter	F Weingartner, DJ6ZZ	229 - 234
1972/4	A Stable Crystal Controlled Oscillator in the order of 10 to minus 7 for Frequency/Time Measurement	R Gorl, DL1XX	235 - 240
1973/1	Recommended Modifications to the Calibration Spectrum Generator	D E Schmitzer, DJ4BG	16 - 17
1973/2	A Six Digit Frequency Counter for Frequencies between 1 Hz and Typically 100 MHz	W R Kritter, DL8TM	95 - 103
1973/2	A Dual Input Preamplifier with 2:1 Prescaler for Frequency Counters from 1 Hz to Min 100 MHz	W R Kritter, DL8TM	91 - 94
1973/3	A 10:1 Prescaler and Preamplifier with an Upper Frequency Limit of 250 MHz for Frequency Counters	J Grimm, DJ6PI	154 - 159
1973/4	Digital Voltmeter	K Wilk, DC6YF	203 - 207
1974/1	Precision Reflectometer for 0 to 3200 MHz	H Tietenthaler, OE5THL	2 - 17
1974/1	Simple Digital Voltmeter	K Wilk, DC6YF	18 - 29
1974/3	Losses Encountered when Interconnecting Cables Having the Incorrect Impedance	Dr P Brumm, DL7HG	142 - 146
1974/3	High Impedance Preamplifier for Frequency Counters fro DC to 60 MHz	H U Schmidt, DJ6TA	177 - 182

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1974/4	A 500 MHz Prescaler and Preamplifier for Frequency Counters	G Bergmann, DJ7JX	230 - 237
1975/2	An SHF Wavemeter	K Hupfer, DJ1EE	90 - 92
1975/2	A Standard Frequency Oscillator with an Accuracy of 10 to minus eight	R Gori, DL1XX	118 - 126
1975/4	A Four Digit Frequency Counter for 250 MHz Using a 7 Segment LED Readout	E Zimmermann, HB9MIN	209 - 214
1975/4	A Numerical Indication System	K Wilk, DC6YF	250 - 251
1976/1	A Numerical Indication System, Part 2	K Wilk, DC6YF	33 - 49
1976/2	A Precision Digital Multimeter, Part 1 : Analogue/Digital Converter, Decoder and Indicator Modules	J Kestler, DK1OF	118 - 127
1976/3	A Precision Digital Multimeter, Part 2 : Input Amplifier and Power Supply	J Kestler, DK1OF	181 - 191
1976/4	A Sensitive 500 MHz 10:1 Prescaler and Preamplifier for Frequency Counters	J Grimm, DJ6PI	247 - 251
1977/2	A Triangular Wave Generator	H J Ehrke, DC7LE	121 - 123
1977/2	An Absorbtion Wavemeter for 70 MHz to 1350 MHz	J Dahms, DC0DA	90 - 97
1977/2	A Spectrum Analyser for Amateur Applications	E Berberich, DL8ZX	109 - 120
1977/3	Linear Capacitance Meter	R Reuter, DC6FC	179 - 183
1977/4	DB1NV's Image Memory in Combination with HP141 Spectrum Analyser	Lorenz Oelschlegel, DL6NCI	216 - 217
1978/1	Simplified Measurement of Spurious Signals of VHF Transmitters	H J Brandt, DJ1ZB	59 - 61
1978/2	Atom Frequency Standards and Standard Frequency Transmitter	M Klein, DK7UF	119 - 124
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1980/2	Determining the Sensitivity of Receive Systems with Aid of Solar Noise	G Hoch, DL6WU	66 - 72
1980/3	An Automatic SWR Meter	J Kestler, DK1OF	155 - 158
1980/3	A Measuring System for Determining the Temperature Response of Crystals	M Arnoldt	159 - 168
1980/4	A Home made Reflectometer for VHF and UHF Applications Manufactured from Plumbing Materials	H C Als, DC4IQ	226 - 229
1980/4	An Up Converter for Extending the Frequency Range of Signal Generators	J M Noeding, LA8AK	215 - 216
1980/4	Spectrum Analyser for VHF/UHF Amateur Constructing a Home Made Universal HF Module	E Berberich, DL8ZX	217 - 225

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1981/1	A Digital Frequency Readout for Amateur Equipment with 9 MHz IF	G Heeke, DC1QW	35
1981/2	A Setable Up Down Frequency Counter	J Kestler, DK1OF	83 - 94
1981/3	A 1.3 GHz Prescaler and Preamplifier for Frequency Counters	J Grimm, DJ6PI	130 - 134
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1981/4	An Easy To Build Pattern Generator	L Damrow, DC7EP	230 - 234
1982/1	A Noise Generator for VHF and UHF	Michael Ulbright, DB2GM	38 - 43
1982/1	Some Pitfalls in Noise Figure Measurement	J Gannaway, G3YGF	44 - 48
1982/2	An RF Probe for Test and Measurement Purposes	Dr S Behrens, DC6NG	110 - 111
1982/4	A Spectrum Analyser for VHF/UHF Amateurs, Part 2 : PC Board for the Premixer Module	E Berberich, DL8ZX	236 - 238
1983/1	A Home Made Automatic Noise Figure Measuring System, Part 1	Martin Dohlus	2 - 11
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1983/3	Wideband Directional Coupler for VSWR Measurements on Receive Systems	Michael Martin, DJ7VY	153 - 162
1983/4	Measuring Aids and a Harmonic Filter for the V-MOS Transistor 100 W Power Amplifier for 144 MHz	Harald Braubach, DL1GBH	247 - 254
1983/4	Determining the Antenna Gain in the GHz Range	Erich Stadler, DG7GK	202 - 203
1983/4	A Sensitive Thermal Power Meter	Carsten Vieland, DJ4GC	225 - 231
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1984/2	A Receiver for the VLF Time and Frequency Standard Transmission from DCF77	Friedrich Krug, DJ3RV	96 - 114
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1984/3	A Noise Generator with Defined Noise Power for Applications up in the Microwave Range	Harald Fleckner, DC8UG	137 - 145
1984/3	A Home Made RF Millivoltmeter, Part 2	B Kokot	146 - 160
1984/3	A VSWR Indicator	Willhelm Schurings, DK4TJ	171 - 180
1984/3	C-MOS Frequency Counter for 10 Hz to 1 GHz	Werner Hanschke, DC0RZ	182 - 187
1984/4	Directional Couplers - Made to Measure	Harald Braubach, DL1GBH	205 - 210

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1984/4	A Programmable Rotator Control	Manfred Claar, DF9EY	232 - 246
1985/1	A 2.3 GHz Prescaler (100 : 1)	Manfred Muehlbacher, DB9SB	55 - 63
1985/1	Compact BNC Attenuators	Carsten Vieland, DJ4GC	2 - 7
1985/1	A Power Meter for the Frequency Range 2 to 200 MHz	Harald Braubach, DL1GBH	36 - 42
1985/2	Impedance Measurements with Calibrated Transmission Lines	Erich Stadler, DG7GK	106 - 111
1985/2	Thermal Power Measurements Yet Another Look	Carsten Vieland, DJ4GC	69 - 71
1985/2	L and C Measurements with Calibrated Transmission Lines	Erich Stadler, DG7GK	100 - 105
1985/3	Measurement of Cable Impedance with Impulse and Sine Waves	Erich Stadler, DG7GK	153 - 157
1985/3	The Directional Coupler Function and Use	Erich Stadler, DG7GK	178 - 184
1986/1	Active Probe Scaler 400 - 1300 MHz	A R Jenkins, ZL2TVT	13 - 17
1986/2	More About the DLOHV HF Millivoltmeter	Dieter Schwarzenau	81 - 84
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1986/4	Home Constructed Frequency Counter, Part 1	Dieter Schwarzenau	222 - 245
1987/2	Home Constructed Frequency Counter, Part 2 : Conclusion	Dieter Schwarzenau	73 - 87
1987/3	A Spectrum Analyser for the Radio Amateur	Jochen Jirmann, DB1NV	154 - 166
1987/3	More About the 2.3 GHz Divide by 100 Scaler	Manfred Muehlbacher, DB9SB	167
1987/3	Electronically Switched Attenuators	Andreas Claar, DF9CP	175 - 189
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1987/4	Measuring Wavelengths at Microwave Frequencies Simply and Cheaply	Angel Vilaseca, HB9SLV	215 - 218
1988/2	A Thermal Power Mount	Dr Eng Jochen Jirmann, DB1NV	98 - 102
1988/2	50 W Wideband Detectors	Carsten Vieland, DJ4GC	111 - 125
1988/3	A 1.5 GHz Plug In for the DL0HV Frequency Counter	Dieter Schwarzenau	130 - 137
1988/3	Digital Storage Interface for the SWOB-2 Sweep Generator	Ralph Berres, DF6WU	138 - 140
1988/3	Providing a Frequency Counter for the SWOB	Ralph Berres, DF6WU	142 - 146
1989/2	A Spectrum Analyser for the Radio Amateur, Part 3 : Construction and PCBs	Jochen Jirmann, DB1NV	108 - 119

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1989/2	Oscilloscope Line Analyser Accessory	Thomas Morzinck, DD0QT	120 - 125
1989/3	A Spectrum Analyser for the Radio Amateur, Part 3a: Construction and PCBs	Jochen Jirmann, DB1NV	163 - 171
1990/1	A Spectrum Analyser for the Radio Amateur, Part 3b : Circuit Options and Ancilliary Equipment	Jochen Jirmann, DB1NV	5 - 9
1990/1	4 Channel 140 MHz Oscilloscope, Part 1 : Salient Circuit Details	Dr Robert Dorner, DD5IK	60 - 62
1990/3	4 Channel 140 MHz Oscilloscope, Part 2 : Conclusion	Dr Robert Dorner, DD5IK	157 - 178
1990/3	Practical Tips for the Amateur Spectrum Analyser	A Schaumburg, DF7ZW	190 - 191
1990/4	Simple Improvements to thr DK2VF Microstrip Directional Coupler	Jochen Dreier, DG8GS	250 - 253
1991/2	RF Sweeping with a PC	Werner Bruekner, DL6MDA	107 - 119
1991/2	Enhancements to the Spectrum Analyser	Dr Ing J Jirmann, DB1NV	80 - 88
1991/2	Measurement Arrangements for Complex Impedances	Carl G Lodstrom, SM6MOM/W6	93 - 101
1991/3	A Digital Image Store for the DB1NV Spectrum Analyser, Part 1	Dr Ing Jochen Jirmann, DB1NV	130 - 146
1991/4	A Digital Image Store for the DB1NV Spectrum Analyser, Part 2 : Conclusion	Dr Ing Jochen Jirmann, DB1NV	229 - 233
1992/1	A Tracking Generator for the DB1NV Spectrum Analyser	Dr Ing Jochen Jirmann, DB1NV	35 - 46
1992/1	A Marker Generator for 10 MHz and 1 MHz Markers	Walter Zwickel, OE2TZL	47 - 49
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1992/2	Absolute Calibration of a Noise Source	Dipl Ing Detlef Burchard	76 - 89
1993/1	A Digital Framestore for the DB1NV Spectrum Analyser; Alterations and Additions	Dr Ing Jochen Jirmann, DB1NV	44 - 47
1993/2	A Simple dB Linear S Meter for Microwave Applications	Erich Zimmermann, HB9MIN	117 - 119
1993/4	Measurement Aids for the UHF Amateur	Michael Kuhne, DB6NT	207 - 213
1993/4	Assembly Instructions and Experiences with the DB1NV Spectrum Analyser Design	Joachim Danz, DL5UL	241 - 250
1994/2	Addenda and Comments on the Article : Tracking Generator	Dr Ing Jochen Jirmann, DB1NV	117 - 118
1994/4	A UHF-SHF Marker Generator	Michael Kuhne	245 - 248
1994/4	An RF Power Meter with Linear Scale	Carl G Lodstrom. SM6MOM/W6	201 - 204
1994/4	Measurements on Resonance in Capacitors	Carl G Lodstrom, SM6MOM/W6	249 - 253
1994/4	A Synthesised Local Oscillator for the DB1NV Spectrum Analyser	Dr Ing Jochen Jirmann, DB1NV	205 - 229

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1995/2	A Grid Dip Meter for VHF and UHF	Carl G Lodstrom, SM6MOM/W6	70 - 77
1995/3	Expansion and Assembly of the DB1NV Spectrum Analyser	Rainer Schmulling, DK6ZK	180 - 188
1995/3	Frequency Counter with Harmonic Mixing for the UHF / SHF Amateur	Luis Cupido. CT1DMK	130 - 146
1995/4	Digital Display for the Logarithmic Detector Amplifier from DJ4GC	Norbert Kohns, DG1KPN	240 - 245
1995/4	New Software for the Digital Image Store for the DB1NV 010 Spectrum Analyser	Dr Ing Jochen Jirmann, DB1NV	229 - 230
1996/3	VHF, UHF and SHF Measurement Methods Using a PC, Part 1 : Control Using the PC's Centronics Port	Wolfgang Schneider, DJ8ES	165 - 172
1996/3	Expansion of the Software for the DB1NV Spectrum Analyser Digital Store	Bernd Kaa, DG4RBF	173 - 180
1996/4	Sweep Triggered Frequency Counter for the DB1NV Spectrum Analyser	Bernd Kaa, DG4RBF	215 - 223
1996/4	VHF, UHF and SHF Measurement Methods Using a PC, Part 2 : Milliwatt Meter From Short Wave to SHF	Wolfgang Schneider, DJ8ES	206 - 214
1997/1	VHF, UHF and SHF Measuring Methods Using a PC, Part 3 : 0.9 - 1.5 GHz Synthesiser	Wolfgang Schneider, DJ8ES	13 - 19
1997/2	Elimination of Self Oscillation Points in the DB1NV Spectrum Analyser	Andreas Schaumburg, DF7ZW	110 - 115
1997/3	VHF, UHF and SHF Measuring Methods Using a PC, Part 4 : High Frequency Test Rig up to 1.4 GHz	Wolfgang Schneider, DJ8ES	152 - 166
1997/4	VHF, UHF and SHF Measuring Methods Using a PC, Part 5 : mW Meter, Wobblers and Spectrum Analysers	Wolfgang Schneider, DJ8ES	194 - 208
1998/1	Diplexer for Ring Mixers	Eugen Berberich, DL8ZX	11 - 17
1998/1	Stripline Directional Coupler for 400 MHz to 3.6 GHz	Gregor Storz, ZL1GSG	2 - 9
1998/2	Instructions and Improvements. Supplement to Series : VHF, UHF and SHF Measuring Methods Using a PC	Wolfgang Schneider, DJ8ES	94 - 96
1999/1	Spectrum Analyser 0 to 1750 MHz	Matjaz Vidmar, S53MV	2 - 30
1999/2	Tracking Generator for the Spectrum Analyser 100 KHz to 1750 MHz	Matjaz Vidmar, S53MV	66 - 79
1999/3	Harmonic Converter for the Spectrum Analyser 100 kHz to 1750 MHz	Matjaz Vidmar, S53MV	136 - 147
1999/4	Storage Normaliser for the Spectrum Analyser	Matjaz Vidmar, S53MV	230 - 247
1999/4	Marker Counter for the Spectrum Analyser	Matjaz Vidmar, S53MV	219 - 229
2000/1	FC 4000 Micro Controlled Double Frequency Counter Up to 4 GHz	Bernd Kaa, DG4RBF	10 - 23

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2000/1	Correction to Marker Counter for Spectrum Analyser	Matjaz Vidmar, S53MV	30
2000/2	A Vectorial Aerial Impedance Meter For The Short Wave Range	Dr Ing Jochen Jirmann, DB1NV	66 - 88
2000/4	Tracking Generator for Microwave Ranges (1.7 to 13 GHz)	Carsten Vieland, DJ4GC	215 - 230
2000/4	High Precision Frequency Standard for 10 MHz	Wolfgang Schneider, DJ8ES	194 - 200
2001/1	High Precision Frequency Standard for 10 MHz. Part II Frequency Control via GPS	Wolfgang Schneider, DJ8ES	2 - 8
2001/1	Tracking Generator from 1 MHz to 13 GHz for Spectrum Analysers	Carsten Vieland, DJ4GC	35 - 48
2001/2	A Sinadmeter	E Chicken, G3BIK	92 - 101
2001/4	70 MHz Preamplifier for Frequency Counter	Wolfgang Schneider, DJ8ES	194 - 198
2002/1	Pre Divider (:10) up to 5GHz	Alexander Meier, DG6RBP	22 - 26
2002/1	A Simple Proceedure for Measurements	Dipl. Ing. Detlef Burchard	17 - 21
2002/1	Frequency Generator (Wobbler) to 4GHz	Wolfgang Schneider, DJ8ES	2 - 16
2002/2	Direct Mixer for a 1 - 65MHz Short Wave Synthesiser	Wolfgang Schneider, DJ8ES	120 - 123
2002/2	A Simple Noise Figure Meter	Carl G Lodstrom, KQ6AX	105 - 110
2002/3	Precision Directional Coupler For Matching Measurements	Bernd Kaa, DG4RBF	165 - 174
2002/4	Frequency Indicator For Portable Radio Equipment	Robert Tyrakowski, DK7NT	243 - 250
2002/4	2-Tone Generator For 145MHz	Wolfgang Schneider, DJ8ES	216 - 227
2003/1	Control logic for a switchable attenuator	Wolfgang Schneider, DJ8ES	8 -13
2003/1	A 10.7MHz I.f. probe	E Chicken, MBE, G3BIK	56 - 58
2003/2	Digital mW Meter	Alexander Meier, DG6RBP	71 - 76
2003/3	Frequency / power standard for calibration	Wolfgang Schneider, DJ8ES	149 - 162
2003/3	Useful add-ons for the 4GHz frequency generator (wobbler)	Norbet Kohns, DG1KPN	130 - 141
2003/4	12GHz divide by 1000 prescaler	Alexander Meier, DG6RBP	199 - 206
2003/4	1 to 65MHz DDS signal generator with switcahble output level	Wolfgang Schneider, DJ8ES	226 - 235
2004/1	The noble art of signal detection	Carl Lodstrom, KQ6AX & SM6MOM	48 - 57
2004/1	12GHz divide by 10 prescaler	Alexander Meier, DG6RBP	35 - 38
2004/2	Synthesised signal generator for 10 to 1800MHz	Bernd Kaa, DG4RBF	66 - 94

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2005/1	Centre frequency counter for HP 8565A and HP 8569 spectrum analysers	Bernd Kaa, DG4RBF	35 - 43
2005/2	Universal measuring amplifier for low DC voltages	Alexander Meier, DG6RBP	88 - 95
2005/2	Designation of microwave bands, specification and dimensions	Eberhard L. Smolka, DB7UP	122 - 125
2005/2	New measuring method to determine the bandwidth occupied by J3E (SSB) transmissions	Ralf Rudersdorfer, OE3RAA	96 - 110
2005/3	Non-linear distortions	Prof. Gisbert Glasmachetrs	147 - 155
2005/3	Low power radio frequency wattmeter (dBm) using an AD8362 detector	Wolfgang Schneider, DJ8ES	140 - 146
2005/4	Three probes for RF measurements without DUT dsiturbance	Andre Jamet, F9HX	239 -242
2005/4	Display unit for low power radio frequency wattmeter using an AD8362 from issue 3/2005	Wolfgang Schneider, DJ8ES	243 - 250
2006/2	13GHz prescaler	Zeljko Bozic, S52ZB	89 - 94
2006/2	Selective Wattmeter	Wolfgang Schneider, DJ8ES	72 - 78
2006/3	Power detector covering up to 2.7GHz	Wolfgang Schneider, DJ8ES	179 - 183
2006/4	Microwave milliwattmeter to 18GHz, WM 500 PRO (-55dBm to + 30dBm)	Bernd Kaa, DG4RBF	198 - 211
2006/4	The Noble Art of measuring small resistances (and voltages)	Carl Lodstrom, KQ6AX & SM6MOM	212 - 223
2007/1	Display unit for the power detector by DJ8ES	Alexander Meier, DG6RBP	2 - 10
2007/1	Noise source diodes	Franco Rota, I2FHW	11 - 18
2007/2	LCD oscilloscope for spectrum analyser. Plus update on spectrum analyser project	Matjaz Vidmar, S53MV	116 - 125
2007/2	A modern precision automatic SINAD meter, distortion factor meter and true RMS voltmeter	Ralf Rudersdorfer, OE3RAA	77 - 101
2007/3	A simple RF/Microwave frequency counter	Matjaz Vidmar, S53MV	130 - 140
2007/3	Vector analyser VAA 200 for the 0.1 to 220MHz range with graphical display	Bernd Kaa, DG4RBF	141 - 157
2007/4	2-tone audio generator for SSB transmitter measurements	Wolfgang Schneider, DJ8ES	201 - 206
2007/4	Coax cable pulse generator used to measure amplifier performance	DF4KS	207 - 214
2008/1	Practical Project: Noise factor measurement with older spectrum analysers: part 1	Gunthard Kraus, DG8GB	2 - 11
2008/2	Digital stepped attenuator for up to 2.4GHz	Alexaender Meier, DG6RBP	82 - 87

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2008/2	Low Cost, wideband divide by 64 prescaler from 0.05 - 8GHz	Rafal Orodzinski, SQ4AVS	66 - 69
2008/2	Additional unit for the SM53MV frequency counter. (More accuracy and RS232 interface)	Zeljko Bozic, S52ZB	115 - 120
2008/3	Practical Project: Noise factor measurement with older spectrum, part 2	Gunthard Kraus, DG8GB	140 - 154
2008/3	Attenuators	Aristoteles Tsiamitros, DD5FT	166 - 177
2008/4	10MHz - 10GHz noise source diodes	Franco Rota, I2FWH	241 - 248
2009/1	Improving harmonic frequency measurements with the HP8555A	Ralp Berres, DF6WU	25 - 36
2009/3	Construction Project: Elektor RF Sweep Frequency Genreator / Spectrum Analyser	Andy Barter, G8ATD	137 - 153
2009/3	The noble art of checking your SWR meter	Carl Lodstrom, KQ6AX, SM6MOM	162 - 170
2009/3	How to realise a simple and cheap dummy load	Vincenzo Mendola, IW2KSZ	135 - 136
2009/3	Practical tips for building a return loss bridge	Andrea Daretti, IZ2OUK	130 - 134
2010/1	Time Domain Reflectometer (TDR) for radio amateurs, Part 1	Herbert W Schulte, CT2IJD	38 - 41
2010/1	Digital Gain and Noise Meter (DGNM)	Rafal Orodzinski, SQ4AVS	18 - 22
2011/2	Computer control of GPIB/GPIB measuring instruments with the program MESSZEIT	Hans Ulrich Schmidt, DJ6TA	107 - 118
2011/2	The Network Analyser	Paolo Petrini, IW1ACL	66 -74
2011/3	Extending the range of a Racal Dana 1991 Frequency Counter to 12GHz	Ralph Berres, DF6WU	152 - 161
2011/4	Signal Hound: Compact 4.4GHz spectrum analyser and matching tracking generator	Sam Jewell, G4DDK	242 - 249

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1979/4	Electronic Control of Antenna Rotators, Part 2 : Digital Programming with BCD Inputs	J Kestler, DK1OF	238 - 250
1980/1	A Micricomputer for Amateur Radio Applications, Part 1 : Introduction	W Kurz, DK2RY	53 - 54
1980/2	A Micricomputer for Amateur Radio Applications, Part 2 : Central Processing Unit	W Kurz, DK2RY	112 - 124
1980/3	A Micricomputer for Amateur Radio Applications, Part 3 : Memory and System Bus	W Kurz, DK2RY	179 - 191
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1980/1	A System for Reception and Display of METEOSAT Images, Part 3 : LO for VHF Receiver	R Tellert, DC3NT	14 - 22
1980/3	Modern Receive Converter for 70 cm Receiver, 8 Crystal Oscillators around 100 MHz on One Board	M Lass, DJ3VY	148 - 154
1980/3	SSB on the 10 GHz band, Part 1 : Generation of the Local Oscillator Frequency	G Bors, DB1PM	130 - 138
1981/2	Low Noise VHF Oscillator with Diode Tuning, Digital Frequency Control and Frequency Indication	M Martin, DJ7VY	66 - 82
1981/3	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF / SHF Applications	B Neubig, DK1AG	135 - 143
1981/4	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF / SHF Applications, Part 2	B Neubig, DK1AG	194 - 203
1982/2	A VXO Local Oscillator for 144 MHz Transceivers	Klaus Schoepf, DB3TB	84 - 88
1984/4	PLL Oscillators with Delay Lines, Part 1 : Fundamentals	Joachim Kestler, DK1OF	211 - 220
1985/1	PLL Oscillators with Delay Lines, Part 2 : A Shortwave VFO from 5 to 6 MHz	Joachim Kestler, DK1OF	46 - 54
1985/2	PLL Oscillators with Delay Lines, Part 3 : Oscillator Module for the 2 Metre band	Joachim Kestler, DK1OF	112 - 120
1985/3	PLL Oscillators with Delay Lines, Part 4 : Carrier Noise Sidebands	Joachim Kestler, DK1OF	138 - 140
1985/3	A Stable Crystal Controlled Source for 10.37 GHz	Jochen Jirmann, DB1NV	146 - 152

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1985/4	SSB Mini Transverter 144 / 1296 MHz	Konrad Hupfer, DJ1EE	232 - 240
1986/1	SDA 3202 - A New PLL IC for up to 1.5 GHz	Gunter Sattler, DJ4LB	18 - 22
1986/4	Voltage Controlled Tuned Wideband Oscillator	Jochen Jirmann, DB1NV	214 - 221
2003/2	Multiplication, division and addition of a 10MHz source to get a synthesised VHF signal	Andre Jamet, F9HX	119 - 124
2003/2	VCXOs with wide pull-in range using alternatives to quartz	Bernd Neubig, DK1AG	66 - 70
2003/2	Synthesisers	Prof. Gisbert Glasmachers	107 - 118
2004/4	A simple approach to YIG oscillators	Bernd Kaa, DG4RBF	217 - 224
2005/1	DDS oscillator for QRP experiments on short wave and 6m band	Wolfgang Schneider, DJ8ES	44 - 52
2005/2	Solution for stable and precise microwave frequency generation	Andre Jamet, F9HX	76 - 79
2005/2	A modern technique for microwave oscillator generation Part 1	Sigurd Werner, DL9MFV	66 - 75
2005/3	Simple PLL oscillator for receivers with 45MHz intermediate frequency	Peter Artl, DG4EAY	130 - 139
2005/3	Universal PLL oscillator module	Alexander Meier, DG6RBP	156 - 163
2006/2	Down Converter for YIG oscillators (10MHz to 2GHz)	Alexander Meier, DG6RBP	66 - 71
2006/4	VCOs as a replacement for YIG oscillators in the 2 to 4GHz range	Wolfgang Schneider, DJ8ES	194 - 197
2007/2	A GPS controlled frequency standard	Zeljko Bozic	109 - 125
2007/2	Basics of YIG oscillators and a YIG driver example	Alexander Meier, DG6RBP	66 - 76
2007/4	Using DDS aliasing to extend its frequency range	Andre Jamet, F9HX	234 - 238
2008/3	GPS-LCD, an add on to the GPS disciplined oscillator	Primoz Lemut, S53KS	160 - 165
2008/3	The harmful effects of local oscillator noise	Andre Jamet, F9HX	130 - 139
2008/4	DDS RF signal generator	Matjaz Vidmar, S53MV	196 - 208
2009/2	DDS using the AD9951	Henning C. Weddig, DK5LV	104 - 117
2009/4	DFS for microwave beacons, Direct frequency synthesis with auxilliary oscillator	Andre Jamet, F8HX	194 - 202
2010/2	CTCSS Oscillator	Antonio Iuliano, IZ1ANS	116 - 119
2010/4	An interesting component: ADF 4360 from Analog Devices	Hubertus Rathke, DC1OP	199 - 204

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1969/2	A 12 / 24 v DC - DC converter	K P Timmann, DJ9ZR	83 - 84
1970/2	Stable Reference Voltages	H J Franke, DK1PN	76 - 86
1970/3	Electronically Stabalised Power Supply with DC - DC Converter	K P Timmann, DJ9ZR	179 - 185
1971/2	Universal Power Supply Using an Integrated DC Voltage Stabaliser	H J Franke, DK1PN	121 - 126
1972/1	An Integrated AF Amplifier and Voltage Stabaliser	D E Schmitzer, DJ4BG	34 - 39
1972/2	A 12 W DC - DC Converter for 12 V / 28 V	H J Franke,DK1PN	107 - 110
1974/3	Integrated 5 V Voltage Stabaliser for 1 A	U Tilimann, DJ5UO	174 - 176
1977/2	A Coaxial Line Power Amplifier for 70 cm Equiped with the 4CX250B	W Rahe, DC8NR	71 - 84
1978/2	A 400 W Power Amplifier for 145 MHz Equipped with the 4CX250	J Kestler, DK1OF	100 - 113
1979/1	A Power Supply for 9 to 15 v / 25 A	H Liers, DB7ES	54 - 60
1979/4	Using Silicon Solar Cells for Construction of Solar Batteries for Portable Operation	Editors	251 - 253
1985/2	Switched Mode Power Supplies (SMPS), Part 1 : Basic Theory	Jochen Jirmann, DB1NV	79 - 93
1985/2	A 12 Volt Mobile Switched Mode Power Supply (SMPS), Part 2	Jochen Jirmann, DB1NV	94 - 99
1985/3	A 12 Volt Mobile Switched Mode Power Supply (SMPS), Part 3	Jochen Jirmann, DB1NV	161 - 168
1985/3	GaAs-FET Inter Locked Dual Polarity Power Supplies for Portable Use	Horst Burfeindt, DC9XG	141 - 145
1985/4	A Microcomputer for Radio Amateurs	Jochen Jirmann, DB1NV	252 - 254
1986/2	Microcomputer Systems, Part 1 : Switched Mode Power Supply (SMPS)	Jochen Jirmann, DB1NV	108 - 120
1988/1	A 12 Volt to 12 Volt Converter	Jochen Jirmann, DB1NV	19 - 25
1988/4	A Stabalised Power Supply for Valved PA's	Wilfried Hercher, DL8MX	246 - 251
1989/3	Using Solar Cells to Supply an Amateur Radio Station	Andreas Schaumburg, DF7ZW	145 - 148
1989/4	Shunt Protected Power Supply	Roy Hartkopf, VK3AOH	247 - 248
1993/1	High Stability Low Noise Power Supply	Volker Espel	19 - 37
1993/4	Power Supply Unit for Travelling Wave Tubes	Andreas Schaumburg, DF7ZW	194 - 206
2000/3	Suplement to Article on 5.7 GHz ATV Converter	Helmut Neidel, DL1IN	186 - 187

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1969/3	A 9 MHz IF - AF Portion Using Integrated Circuits	K P Timmann, DJ9ZR	158 - 159
1970/1	An IF Diplexer (28 - 30 MHz)	E Reitz, DJ9JT	56 - 57
1970/1	Cascode IF Stages	D E Schmitzer, DJ4BG	58 - 59
1970/2	A Digital Discriminator Accessory for FM Demodulation	D E Schmitzer, DJ4BG	105 - 110
1970/2	Correction to the 9 MHz IF - AF Module DJ9ZR 005	G Strossner, DJ2VN	124 - 126
1970/2	An SSB Transceiver with Silicon Transistors Complement, Part 2 : The 9 MHz Transceiver	G Laufs, DL6HA	65 - 75
1970/3	Experiments with a Crystal Discriminator	D E Schmitzer, DJ4BG	147 - 152
1970/3	Modifications for the S Meter and Control Voltage Circuits in the 9 MHz Portion of DL6HA Transceiver	G Laufs, DL6HA	187 - 188
1970/3	An SSB Transceiver with Silicon Transistor Complement, Part 3 9 MHz / 14 MHz Transmit Receive Conv.	G Laufs, DL6HA	129 - 146
1970/4	An SSB Transceiver with Silicon Transistor Complement, Part 4 : Power Supply and AF Amplifier	G Laufs, DL6HA	193 - 200
1971/4	A Digital Calibration Spectrum Generator	D E Schmitzer, DJ4BG	194 - 205
1972/1	A 9 MHz IF Module for Frequency Modulation	D E Schmitzer, DJ4BG	40 - 45
1972/2	A 50 MHz Transverter by Modification of Receive Converter DL6HA 001 and Transmit Converter DL6HA 005	R Eide, W0ENG	103 - 106
1972/4	An Integrated Receiver System for AM, FM, SSB and CW	H J Franke, DK1PN	212 - 215
1973/1	An Integrated Receiver System for AM, FM, SSB and CW, Development Report	H J Franke, DK1PN	46
1973/1	A Shortwave Receiver Module for Use with VHF Converters or for Direct Reception	D E Schmitzer, DJ4BG	24 - 32
1973/1	An Integrated Receiver System for AM, FM, SSB and CW, Part 2 ; The SSB IF Portion	H J Franke, DK1PN	47 - 53
1973/3	An Integrated Receiver System for AM, FM, SSB and CW, Part 3 : The Carrier Oscillator	H J Franke, DK1PN	169 - 170
1973/3	FM Transceiver with Multichannel Synthesiser, Part 1 : 80 Channel Synthesiser for 25 kHz Spacing	J Kestler, DK1OF	130 - 145
1973/4	An Integrated Receiver System for AM, FM, SSB and CW, Part 4 : AF Amplifier and CW Filter	H J Franke, DK1PN	208 - 211
1973/4	An Integrated Receiver System for AM, FM, SSB and CW, Part 5 : Input Module and FM Portion	H J Franke, DK1PN	212 - 219
1974/3	An Integrated Receiver System for AM, FM, SSB and CW, Part 7 : The AM Portion	H J Franke, DK1PN	156 - 160

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1974/3	An Integrated Receiver System for AM, FM, SSB and CW, Part 8 : The System Board	H J Franke, DK1PN	161 - 167
1974/4	Product Detector and Crystal Oscillators for the Modular Receiver	D E Schmitzer, DJ4BG	215 - 219
1974/4	A System Board for the TEKO Modules	D E Schmitzer, DJ4BG	220 - 229
1975/1	SSB / CX IF Module and AGC Circuit	D E Schmitzer, DJ4BG	34 - 39
1975/1	An SSB Exciter with RF Clipper	J Kestler, DK1OF	2 - 14
1976/2	Ten Meter Version of the DC6HL Transceiver	K Ochs, DJ6BU	95 - 99
1976/3	A Universal Converter for HF and VHF	J Kestler, DK1OF	159 - 174
1977/1	Interesting Linear Integrated Circuits	D E Schmitzer, DJ4BG	44 - 51
1978/4	A Modern Receive Converter for 2 m Receivers, Having a Large Dynamic Range and Low Intermodulation	M Martin, DJ7VY	218 - 229
1980/1	A Noise Blanker for Large Signal Conditions for SW and VHF Receivers Having Large Dynamic Range, Pt1	M Martin, DJ7VY	36 - 45
1980/2	A Noise Blanker for Large Signal Conditions for SW and VHF Receivers Having Large Dynamic Range, Pt2	M Martin, DJ7VY	96 - 106
1981/4	A Versatile IF Module Suitable for 2 m Receivers or as an IF Module for the SHF bands, Part 1	F Krug, DJ3RV	244 - 250
1982/1	A Wideband Driver for the Shortwave bands	Michael Martin, DJ7VY	13 - 18
1982/2	A Versatile IF Module Suitable for 2 m Receivers or as an IF Module for the SHF bands, Part 2	Friedrich Krug, DJ3RV	112 - 124
1982/3	A Versatile IF Module Suitable for 2 m Receivers or as an IF Module for the SHF bands, Part 3	Friedrich Krug, DJ3RV	172 - 189
1982/4	A Versatile IF Module Suitable for 2 m Receivers or as an IF Module for the SHF bands, Part 4	Friedrich Krug, DJ3RV	239 - 252
1983/1	A Versatile IF Module Suitable for 2 m Receivers or as an IF Module for the SHF bands, Part 5	Friedrich Krug, DJ3RV	49 - 60
1983/2	A Versatile IF Module Suitable for 2 m Receivers or as an IF Module for the SHF bands, Part 6	Friedrich Krug, DJ3RV	103 - 111
1985/1	PLL Oscillator with Delay Lines, Part 2 : A Shortwave VFO from 5 to 6 MHz	Joachim Kestler, DK1OF	46 - 54
1987/1	A 10 kHz - 30 MHz Receiver Front End Part 1	Joachim Kestler, DK1OF	13 - 26
1987/2	A 10 kHz - 30 MHz Receiver Front End Part 2	Joachim Kestler, DK1OF	99 - 106
1987/3	Broadband HF Power Amplifiers	Andreas Schaumburg, DF7ZW	141 - 149
1988/3	Short Wave Pre Selector Amplifier	Wolfgang Guenther, DF4UW	181 - 185
1990/1	Shortwave Reception Based on Thirties Principles, Part 1	Dipl Eng Detlef Burcard	23 - 30

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1990/2	Shortwave Reception Based on Thirties Principles, Part 2	Dipl Eng Detlef Burcard	70 - 76
1990/4	A Short Wave Receiver PLL	Dipl Eng Detlef Burcard	230 - 243

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1986/4	TV Satellite Receiving System, Part 1 : Low Noise 11 GHz Down Converter	Matjaz Vidmar, YT3MV	194 - 213
1987/1	TV Satellite Receive System, Part 2 : Indoor Unit	Matjaz Vidmar, YT3MV	35 - 56
1988/2	Receiving Converter for 4 GHz band Satellite	Matjaz Vidmar, YT3MV	103 - 110
1990/1	SAT-X Receiver for the Satellite IF band 900 - 1700 MHz	M Salewski, DC9DO	10 - 22

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1972/3	Modifying the DLHA 001/28 Dual Gate MOSFET Converter for Reception of Weather Satellites	T Bittan, G3JVQ	167 - 168
1978/3	Reception of the METEOSAT Weather Satellite	T Bittan, G3JVQ	169 - 172
1978/4	More Details on Reception of the European Weather Satellite METEOSAT	R Lentz, DL3WR	230 - 240
1979/3	A System for Reception and Display of METEOSAT Images, Part 1	R Tellert, DC3NT	130 - 140
1979/4	A System for Reception and Display of METEOSAT Images, Part 2	R Tellert, DC3NT	194 - 202
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1980/3	A System for Reception and Display of METEOSAT Images, Part 5	R Tellert, DC3NT	169 - 178
1980/4	A Simple Converter for Reception of Weather Satellites in Conjunction with 2 m FM Receivers	H Kulmus, DJ8UZ	211 - 214
1980/4	A System for Reception and Display of METEOSAT Images, Part 6	R Tellert, DC3NT	194 - 210
1981/1	A System for Reception and Display of METEOSAT Images, Part 7	R Tellert, DC3NT	43 - 50
1981/2	A System for Reception and Display of METEOSAT Images, Part 8 : The Control Module for CRT	R Tellert, DC3NT	110 - 118
1981/3	A System for Reception and Display of METEOSAT Images, Part 9 : CR Tube with X & Y Amp and EHT	R Tellert, DC3NT	152 - 166
1981/4	Forecast the Reception Times of Orbiting Satellites	T Bittan, G3JVQ	219 - 220
1981/4	Antennas for Reception of Orbiting Weather Satellites in the 137 MHz band	T Bittan, G3JVQ	214 - 218
1981/4	A Receive Converter for Geostationary Weather Satellites METEOSAT, GOES, GMS, Part 1 The SHF Module	B Roessle, DJ1JZ	207 - 213
1982/1	A Receive Converter for Geostationary Weather Satellites METEOSAT, GOES, GMS, Part 2 The LO Module	Benno Rossle, DJ1JZ	24 - 30
1982/4	A Digital Storage and Scan Converter for Weather Satellite Images, Part 1	Matjaz Vidmar, YU3UMV	194 - 208
1983/1	A Digital Storage and Scan Converter for Weather Satellite Images, Part 2	Matjaz Vidmar, YU3UMV	12 - 25
1983/2	A Digital Storage and Scan Converter for Weather Satellite Images, Part 3 : Synthetic Colour Module	Matjaz Vidmar, YU3UMV	84 - 90
1983/2	Preliminary Experience with the Digital Storage Module described by YU3UMV	Editors	91 - 92
1984/2	The GOES Series of Geostationary Weather Satellites	Terry Bittan, G3JVQ	81 - 88

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1985/1	Colour Module with Composite Output for Weather Satellite Images	Editors	35
1985/1	A Digital Multiple Image Storage for Weather Satellite Images	Harald Hufenbecher, DL6NAD	17 - 30
1985/1	A Low Noise METEOSAT Converter with GaAsFET Preamplifier and Mixer Stage	Bernd Bartkowiak, DK1VA	8 - 16
1986/1	Digital Picture Storage for SSTV, FAX and WEFAX	H Schroeter, DK3VF	53 - 63
1987/3	PC Interface for the YU3UMV Weather Picture Store	Hans Oppermann	168 - 174
1988/1	Receiving METEOSAT with Yagis	Andreas Schaumburg, DF7ZW	15 - 18
1988/3	Timer / Zoom Unit for the YU3UMV / DL6NAD Image Store	Klaus Gottwaldt	147 - 151
1988/3	A Digital Multi Image Storage for WEFAX Images, Part 2	Harald Hufenbecher, DL6NA	152 - 157
1988/3	More on the PC Interface for the YU3UMV Weather Picture Store	Hans Oppermann	179 - 180
1989/3	Digital Signal Processing Techniques for Radio Amateurs, Part 4a : Application Software	Matjaz Vidmar, YT3MV	130 - 137
1989/4	Digital Signal Processing Techniques for Radio Amateurs, Part 4b : Application Software	Matjaz Vidmar, YT3MV	216 - 227
1990/1	Control Circuits for the METEOSAT Multiple Picture Store	Joop Kuijntjes, PA2JOK	44 - 52
1990/1	Compact METEOSAT Converter	Martin Althaus, DF9DA	53 - 59
1990/2	Stacked Loop Yagi Antenna for METEOSAT Reception	A E Chicken, G3BIK	85 - 98
1990/2	Compact Weather Satellite FM Receiver	Martin Althaus, DF9DA	77 - 84
1992/2	Digitally Transmitted Weather Satellite Images	Robert R Lentz, DL3WR	107 - 118
1993/2	A Simple Panorama Add On for Weather Satellite Receivers	Dr Freek M Schimmel	74 - 79
1993/4	Observation of Scintillations While Receiving METEOSAT	Detlef Burchard	231 - 236
1997/3	NOAA HRPT Receiver	Matjaz Vidmar, S53MV	130 - 151
1999/2	Microprocessor Controlled FM Receiver for Weather Satellites, Part 1	Gerald Dullberg, DL8DAQ	117 - 124
1999/3	Microprocessor Controlled FM Receiver for Weather Satellites, Part 2	Gerald Dullberg, DL8DAQ	166 - 176
1999/4	Simple METEOSAT Reception, Part 1 : The Downconverter	Radek Vaclavik, OK2XDX	196 - 207
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2000/4

A Quadrifilar Helix Antenna for Orbiting Weather Satellites

Dipl. Ing. D Burchard

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2002/3

FM Receiver For 137 - 141MHz

Miroslav Gola, OK2UGS

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