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# VHF Communications Complete Index 1969 - 2013

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## Topic 1.5 cm Band

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1977/2	Home-Made Finger Stock	J Nilsson, SM6FHI	85 - 89
1977/2	An Absorption Wavemeter for 70 to 1350 MHz	J Dahms, DC0DA	90 - 97
1977/4	A Linear Transverter for 28 MHz - 1296 MHz with Push Pull Mixer	U Beckmann, DF8QK	212 - 220
1977/4	Three Stage Preamplifier for the 23 cm Band	J Dahms, DC0DA	221 - 228
1978/1	SHF Transmit Converter with a Varactor Diode with High Efficiency and Low Intermodulation - Part 1	H Fleckner, DG8UG	12 - 17
1978/1	Narrow Band Filters for the 23 cm, 13 cm and 9 cm Band	D Vollhardt, DL3NQ	2 - 11
1978/1	A Local Oscillator Module for 200 mW at 1152 MHz	J Dahms, DC0DA	18 - 22

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**Topic**                      **23 cm Band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1978/1	Loop Yagi Antennas	R Lentz, DL3WR	23 - 29
1978/2	SHF Transmit Converter with a Varactor Diode with High Efficiency and Low Intermodulation - Part 2	H Fleckner, DG8UG	66 - 81
1978/2	Local Oscillator for 1268 MHz	U Beckmann, DF8QK	125 -126
1978/3	An Inexpensive Power Amplifier for 24 cm Using 2C39	U Mallwitz, DK3UC	175 - 185
1978/3	Interdigital Converters for the GHz Amateur Bands	J Dahms, DC0DA	154 - 168
1978/4	Linear Transmit Converter	U Beckmann, DF8QK	241 - 243
1979/1	A Transistorised Linear Amplifier for the 23 cm Band	J Dahms, DC0DA	17 - 26
1979/2	Technology and Frequency Plan for Repeater in the 23 cm Band	T Morznick, DD0QT	97 - 102
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	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF/SHF Applications	B Neubig, DK1AG	135 - 143
1981/3	A 1.3 GHz Prescaler and Preamplifier for Frequency Counters	J Grimm, DJ6PI	130 - 134
1981/4	A Noise Generator for VHF and SHF	O Frosinn, DF7OF	221 - 229
1981/4	A Home-Made UHF/SHF Power Meter	B Neubig, DK1AG	194 - 203
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	Two Band (1.2 - 2.4 GHz) Feed Horn for Parabolic Antennas	Harald Fleckner, DC8UG	47 - 52
1986/1	A 20 W Linear Amplifier for the 23 cm Band	Konrad Hupfer, DJ1EE	38 - 40
1986/2	Microstrip Transverters for 23 and 13 cm Part 1	Matjaz Vidmar, YT3MV	96 - 107

<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1986/3	Tuneable VHF to SHF Bandpass Filter	Carsten Vieland, DJ4GC	177 - 185
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	L Band power amplifier for AO-40 uplink	Konrad Hupfer, DJ1EE	142 - 148
2003/3	GH Quad linear amplifier for 23cm	Grant Hodgson, G8UBN	188 - 190
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
2013/2	Development of a preamplifier from 1 to 1.7GHz with a noise figure of 0.4dB	Gunthard Kraus, DG8GB	90 - 101
2013/4	A Solid State Converter for 24cm. Reprint from the first VHF Communications Magazine in 1969	R Lentz, DL3WR	227 - 243

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**Topic****24GHz Band**

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

2010/1

White Box Story - what make of PA?

Jean-Francois losca, F1LVO 12 - 15

**Topic****3 cm Band**

<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1976/4	Designation of the Microwave Bands and Waveguides	R Lentz, DL3WR	232 - 233
1977/1	Getting Started on the 10 GHz Band	Dr D Evans, G3RPE	19 - 29
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	Calibration Spectrum Generator for the Microwave Bands up to 10 GHz	U Mallwitz, DK3UC	43
1979/1	The 10 GHz Amateur Band - Consideration of Present and Future Technologies - Part 2	D Vollhardt, DL3NQ	34 - 42
1979/2	A 3 cm Primary Radiator for Parabolic Antennas	R Griek, DK2VF	74 - 75
1979/2	A Frequency Multiplier for Narrow Band 3 cm Band Communications	R Griek, DK2VF	66 - 73
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 2 : Waveguide Modules	H Fleckner, DC8UG	2 - 12
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
1981/2	Constant Amplitude PLL-SSB on the UHF and SHF Bands	O Frosinn, DF7OF	99 - 104
1981/2	Chokes for Contactless Tuning of Waveguide Modules	E Schaefer, DL3ER	105 - 107
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



<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1981/4	An Extremely Low Noise 96 MHz Crystal Oscillator for UHF/SHF Applications Part 2	B Neubig, DK1AG	194 - 203
1981/4	Line of Sight Microwave Communications	H Shlager, OE3HSC	239 - 243
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	Circular Waveguide Components at 10 GHz	Andrew Bell, GW4JJW	66 - 73
1989/2	The Microline 3 Transverter System The Break Through in 10 GHz Experimental Communications Part 1	Jurgen Dahms, DC0DA	95 - 102
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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**Topic****3 cm Band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1997/2	Using a DRO as a Transmitter	Andre Jamet, F9HX	66 - 73
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, G8OZP	187 - 188
1999/3	Dielectric Antenna for 3 cm	Bob Platts, G8ZOP	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	217 - 221
2005/4	Frequency input module for 10GHz ATV transmitter module	Alexander Meier, DG6RBP	206 - 216
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
2013/1	ATV Transverter for conversion of the 23cm band to the 3cm band	Michael Klerkx, PA0MKX	2 - 9

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**Topic****3 m Band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1975/2	A Stereo VHF/FM Receiver with Frequency Synthesiser - Part 1: Circuit Description	J Kestler, DK1OF	66 - 77
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

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**Topic****4 m Band**

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

1969/2

The 70 MHz DL6SW FET Converter

D T Hayter, G3JHM

123

2011/2

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

Lapo Pieri, IK5NAX

79 - 88

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**Topic**                    **47GHz band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
2002/3	Amplifier For 47GHz Using Chip Technology	Sigurd Werener, DL9MFV	160 - 164

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**Topic****6 cm Band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1980/1	Receive Mixer for the 6 cm Band	R Heidemann, DC3OS	46 - 50
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
2009/1	Antenna Array for the 6cm Band	Jose Geraldo Chiquito	37 - 53

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**Topic****6 m Band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1992/4	SSB Transceiver for 50 MHz using 50 ohm Modules - Part 1	Wolfgang Schneider, DJ8ES	241 - 250
1993/1	SSB Transceiver for 50 MHz using 50 ohm Modules - Part 2	Wolfgang Schneider, DJ8ES	48 - 57
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	EADX 6m contest rules		61
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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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1969/1	144 MHz / 432 MHz Transverter for Low Power and Field Day Applications	L Wagner, DL9JU	31 - 35
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	Cheap Varactor Diodes for the 70 cm Transmitter, Using the EC8020 Tube	H J Franke, DK1PN	123
1970/2	A Universal VHF-UHF Transmitter for AM and FM	R Lentz, DL3WR	87 - 102
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	Simple 70 cm Transverter for Portable Equipment	J Reithofer, DL6MH	217 - 221
1971/4	Stripline Bandpass Filter for 70 cm	J Reithofer, DL6MH	222 - 223
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 Hoffschmidt, 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 Simple 70 cm Power Amplifier Equipped with the 2C39	K Weiner, DJ9HO	78 - 82
1975/2	A Versatile 70 cm Converter with Schottky Diode Mixer	B Lubbe, DJ5XA	83 - 89



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**Topic**                      **70 cm Band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1976/2	Concept of a Combined SSB Station for both 2 m and 70 cm	A Wurzinger, DJ4BH	116 - 117
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	The 70 cm FM Transceiver ULM 70 Part 1: Introduction, Block Diagrams, Variations	I Sangmeister, DJ7OH	104 - 108
1977/2	A Coaxial Line Power Amplifier for 70 cm Equipped with 4CX250B	W Rahe, DC8NR	71 - 84
1977/3	A Simple Bandpass Filter for the 70 cm band	H J Brandt, DJ1ZB	152 - 156
1977/3	The 70 cm FM Transceiver ULM 70 Part 2: The receiver	I Sangmeister, DJ7OH	130 - 142
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 Preamplifier 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	Harmonic Filter for the ULM 70 and ULM 70 S Transceivers	I Sangmeister, DJ7OH	82 - 84
1978/2	The ULM 70 S - An FM Transceiver for the 70 cm band with Synthesiser	I Sangmeister, DJ7OH	85 - 99
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 Home Made Reflectometer for VHF and UHF Applications, Manufactured from plumbing materials	H C Als, DC4IQ	226 - 229
1980/4	A Simple Two Band Omnidirectional Antenna for 2 m and 70 cm	K J Schopf, DB3TB	230 - 231
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 Preamplifier	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
1983/4	A 2 m / 70 cm SSB Transmitter with High Spurious Rejection Part 2	Gunther Borchert, DF5FC	235 - 246

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**Topic**                      **70 cm Band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
1985/3	Helica Antenna for the 70 cm band	Alois Aigner, DL6XE	130 - 132
1986/1	Oil Cooling for High Power Tubes	Franz R Rathenow, DF9ZT	41 - 46
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	70 cm Converter Using GaAs-FET CF300	Wolfgang Schneider, DD2EK	50 - 53
1988/1	Wideband Power Divider / Combiner for the 2 m and 70 cm bands	Konrad Hupfer, DJ1EE	2 - 7
1988/1	A 2 m / 70 cm Antenna Splitting Filter	Joachim Kestler, DK1OF	26 - 30
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
2000/4	Low Pass Filter for 2 m and 70 cm - Part 2	Gerhard Schmitt, DJ5AP	232 - 240
2013/4	A low noise preamplifier for the 70cm band with gain of 25dB and a noise figure of approx 0.4dB.	Gunthard Kraus, DG8GB	201 - 213

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**Topic****76GHz band**

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
2003/1	Frequency multiplier for 76GHz with an integrated amplifier	Sigurd Werner, DL9MFV	35 - 41
2003/2	A simple concept for an efficient 76GHz transverter	Sigurd Werner, DL9MFV	77 - 83
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
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2006/2	Internet Treasure Trove	Gunthard Kraus, DG8GB	125 - 127
2006/3	Internet Treasure Trove	Gunthard Kraus, DG8GB	190 - 191
2006/4	Internet Treasure Trove	Gunthard Kraus, DG8GB	253 - 254
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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
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2007/4	Introduction to the JavaScript notebook	Andy Barter, G8ATD	242 - 249
2007/4	Sequencer	Bo Hansen, Oz2M	239 - 249
2007/4	Practical project: Crystal filter recycling	Gunthard Kraus, DG8GB	215 - 233
2007/4	Internet Treasure Trove	Gunthard Kraus, DG8GB	253 - 254
2008/1	Internet Treasure Trove	Gunthard Kraus, DG8GB	62 - 63
2008/1	John's mechanical Gem	John Fielding, ZS5JF	56 - 59
2008/1	The AGC module	Henning Christof Weddig, DK5LV	26 - 42
2008/2	John's mechanical Gem No. 2 Marking out	John Fielding, ZS5JF	121 - 124
2008/2	SDR - Software Defined Radio	Eberhard L. Smolka, DB7UP	102 - 105
2008/2	Internet Treasure Trove	Gunthard Kraus, DG8GB	125 - 126
2008/2	From the bit to multi-carrier modulation - basics of digital modulation techniques	Jochen Jirmann, DB1NV	88 - 101
2008/2	Current digital radio standards similar to FM voice transmission, Part 1	Michael Gabis, R Rudersdorfer	70 - 81
2008/3	Internet Treasure Trove	Gunthard Kraus, DG8GB	189 - 191
2008/3	Beacon controller using ATmega32 and Bascom	Wolfgang Schneider, DJ8ES	178 - 186
2008/3	John's mechanical Gem No. 3, semi rigid coax	John Fielding, ZS5JF	187 - 188
2008/4	John's mechanical Gem No. 4	John Fielding, ZS5JF	252 - 253
2008/4	Universal GPS clock	Wolfgang Schneider, DJ8ES	210 - 218
2008/4	Current digital radio standards similar to FM voice transmission, Part 2	Michael Gabis, R Rudersdorfer	231 - 240
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2009/1	RST Code and S-Meter revisited	Andre Jamet, F9HX	21 - 24
2009/1	Internet Treasure Trove	Gunthard Kraus, DG8GB	61 - 63
2009/1	John's mechanical Gem No. 5, fitting RF connectors onto panels	John Fielding, ZS5JF	54 - 56
2009/1	Digital T-R control sequencer	Marty Singer, K7AYP	2 - 20
2009/2	Internet Treasure Trove	Gunthard Kraus, DG8GB	122 - 123
2009/2	John's mechanical Gem No. 6, Tapping holes in metal	John Fielding, ZS5JF	118 - 121
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2009/3	Experimental board for the ATmega128 microcontroller	Wolfgang Schneider, DJ8ES	154 - 131
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2009/4	John's mechanical Gem No. 8, Know your metric nuts and bolts	John Fielding, ZS5JF	251 - 253
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2009/4	Internet Treasure Trove	Gunthard Kraus, DG8GB	254 - 255
2010/1	Internet Treasure Trove	Gunthard Kraus, DG8GB	61 - 63
2010/1	John's mechanical Gem No. 9, RF Connectors and thread types used	John Fielding, ZS5JF	54 - 58
2010/1	The AGC Module, Part 3. Continuation from issue 4/2009	Henning C Wddig, DC5LV	42 - 53
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2010/1	Connecting up for VHF digital modes	Brian D Williams, GW0GHF	2 - 8
2010/2	Internet Treasure Trove	Gunthard Kraus, DG8GB	125 - 126
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2010/4	John's mechanical Gem No. 12, Wind loading - Is my antenna system safe?	John Fielding, ZS5JF	251 - 253
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2011/1	John's mechanical Gem No. 13, Tower foundations	John Fielding, ZS5JF	54 - 58
2011/1	The AGC Module, Part 4. The search for unwanted phase errors	Henning C Weddig, DC5LV	36 - 46
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2011/2	Microwave PCB gluing	Andre Jamet, F9HX	75 - 78
2011/3	No, I do not want to use lead free solder, especially for microwave projects	Andre Jamet, F9HX	172 - 174
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2012/3	Results of Postal Price Survey	Andy Barter, G8ATD	130
2012/3	Internet Treasure Trove	Gunthard Kraus, DG8GB	190 - 191
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2012/4	Win 150 Euros worth of components (introduction to a competition for article in 2013)	Andy Barter, G8ATD	254
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2013/2	An interesting program: DOS programs (e.g. PUFF) on Windows 7	Gunthard Kraus, DG8GB	102 - 105
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2013/2	Updating the AX.25 network in Slovenia Radio transceivers for the new Non-Flawless Protocol Network	Majaz Vidmar, S53MV	106 - 117
2013/3	Internet Treasure Trove	Gunthard Kraus, DG8GB	190 - 191
2013/3	The RTL-SDR Working with a USB stick. Part 2 continued from issue 2/2013	Dirk Muller, DB6FM	163 - 173
2013/3	An interesting program: Today PUFF 2.1 for Windows 7: now on CD	Gunthard Kraus, DG8GB	136 - 147
2013/4	A brief history of VHF Communications Magazine	Andy Barter, G8ATD	194 - 200
2013/4	Strong following wind for Sonnet Lite. A book review	Gunthard Kraus, DG8GB	220 - 222
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**Topic****Optical Band**

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2003/1	Laser output meter	Alexander Meier, DG6RBP	42 - 51
2004/1	Amateur use of the optical spectrum, part II	Peter Greil, DL7UHU	39 - 47
2004/4	The noble art of optical communications part 1	Carl Lodstrom, SM6MOM, KQ6AX	194 - 209
2005/1	The noble art of optical communications part 2	Carl Lodstrom, SM6MOM, KQ6AX	2 - 15
2006/1	The Noble Art of measuring optical power	Carl Lodstrom, SM6MOM & KQ6AX	35 - 46

**Topic****Oscillators**

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1969/4	Automatic Search Oscillator for Two Metre Converter	H Wilhelm, DL8AT	215 - 217
1969/4	A Three Stage VFO for 48.0 to 48.7 MHz	G Hoffschildt, DL9FX	209 - 214
1970/1	A 48 MHz VFO for 144 MHz Transmitters	H Matuschek, DJ3MY	31 - 37
1970/1	Frequency Modulation of Crystal Controlled Oscillators by Use of Resistor Diodes	G Damm, DM2WD	25 - 27
1970/1	Narrow Band Frequency Modulation of Overtone Crystal Oscillators	E Harmet, OE6TH	28 - 30
1970/4	PC Board for the 2 Crystal Oscillators of the 144-14 MHz MOSFET Converter used in DL6HA SSB Trancvr.	H Kahlert, DL3YKR	201 - 204
1970/4	Synthesis VFO for 24 MHz	R Lentz, DL3WR	205 - 209
1971/1	A Synthesis VFO for 144 - 146 MHz or 135 - 137 MHz	G Bergmann, DJ7JX	44 - 55
1971/1	A 70 cm Transmitter with VXO Exciter	E Berberich, DL8ZX	33 - 39
1971/1	Variable Frequency Operation on 2 Metres Using the VFO of a Shortwave SSB Transmitter	F Boersch, DK1YZ	30 - 32
1972/1	Calculation for Linear VFO	H Schoften, DJ1FO	16 - 19
1972/2	A 200 kHz Receiver for Synchronising 1 MHz Oscillators to the Droitwich Longwave Transmitter	D E Schmitzer, DJ4BG	111 - 118
1972/2	A Wideband Ring Mixer with Schottky Diodes	R Lentz, DL3WR	121 - 124
1972/3	A Crystal Oscillator Module with Three Independent Oscillators	D E Schmitzer, DJ4BG	175 - 179
1972/4	A Stable Crystal Controlled Oscillator in the order of 10 to minus 7 for Frequency/Time Measurement	R Gorl, DL1XX	235 - 240
1973/2	Temperature Compensated Oscillator with Varactor Tuning	T Schad, DJ8ES	116 - 122
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	Variable Frequency Oscillator Module for the Modular Receiver System	D E Schmitzer, DJ4BG	241 - 249
1974/2	Phased Locked Oscillator for 144 MHz	J Kestler, DK1OF	114 - 124
1974/3	A 400 Channel Synthesiser for 2 m	J Kestler, DK1OF	130 - 141
1974/4	2160 MHz Local Oscillator for 13 cm Converters	K Hupfer, DJ1EE	246 - 247
1975/1	Using the Phased Locked Oscillator DK1OF 01 for Repeater/Duplex Operation for 1.6 or 0.6 MHz Spacing	H Hanserl, OE5AN	40 - 41
1975/1	An SSB Exciter with RF Clipper	J Kestler, DK1OF	2 - 14

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<b>Edition</b>	<b>Title</b>	<b>Author</b>	<b>Pages</b>
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1977/3	The AFC Loop - A Simple and Cheap Method of Obtaining Stable VHF Frequencies	G Hoffschmidt, DL9FX	184 - 188
1977/4	A Linear Transverter for 28 MHz - 1296 MHz with Push Pull Mixer	U Beckmenn, DF8OKJ	212 - 220
1977/4	A New Concept for 2 m to 70 cm Transverters	E Berberich, DL8ZX	229 - 232
1978/1	A Local Oscillator Module for 200 mW at 1152 MHz	J Dahms, DC0DA	18 - 22
1978/2	The ULM 70S - A FM Transceiver for the 70 cm band with Sythesiser	L Sangmeister, DJ7OH	82 - 84
1978/2	Loacal Oscillator for 1268 MHz Matching the Linear Transmit Converter DF8QK 001	U Beckmann, DF8QK	125 - 126
1978/3	A Frequency Control Loop for a 433 MHz VCO	T Krieg, DK8GY	186 - 190
1978/3	Synthesiser for the 2 m band in C-MOS Technology	G Heeke, DC1QW	130 - 144
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1980/3	Modern Receive Converter for 70 cm Receiver, 8 Crystal Oscillators around 100 MHz on One Board	M Lass, DJ3VY	148 - 154
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
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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
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1985/3	A Stable Crystal Controlled Source for 10.37 GHz	Jochen Jirmann, DB1NV	146 - 152
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2006/4	VCOs as a replacement for YIG oscillators in the 2 to 4GHz range	Wolfgang Schneider, DJ8ES	194 - 197
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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	The harmful effects of local oscillator noise	Andre Jamet, F9HX	130 - 139
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2009/4	DFS for microwave beacons, Direct frequency synthesis with auxilliary oscillator	Andre Jamet, F8HX	194 - 202
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2010/4	An interesting component: ADF 4360 from Analog Devices	Hubertus Rathke, DC1OP	199 - 204
2012/2	LPRO-101 Rubidium frequency standard with output driver for different frequencies	Wolfgang Schneider, DJ8ES	67 - 75
2012/3	Microwave oscillators using cavity resonators	Carsten Vieland, DJ4GC	155 - 163

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Wolfgang Schneider, DJ8ES 194 - 203

**Topic****Power Supplies**

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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 Equipped with the 4CX250B	W Rahe, DC8NR	71 - 84
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1985/2	A 12 Volt Mobile Switched Mode Power Supply (SMPS), Part 2	Jochen Jirmann, DB1NV	94 - 99
1985/2	Switched Mode Power Supplies (SMPS), Part 1 : Basic Theory	Jochen Jirmann, DB1NV	79 - 93
1985/3	A 12 Volt Mobile Switched Mode Power Supply (SMPS), Part 3	Jochen Jirmann, DB1NV	161 - 168
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1985/4	A Microcomputer for Radio Amateurs	Jochen Jirmann, DB1NV	252 - 254
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1993/1	High Stability Low Noise Power Supply	Volker Espel	19 - 37
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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
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1970/3	An SSB Transceiver with Silicon Transistor Complement, Part 3 9 MHz / 14 MHz Transmit Receive Conv.	G Laufs, DL6HA	129 - 146
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
1970/4	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
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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
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1973/1	A Shortwave Receiver Module for Use with VHF Converters or for Direct Reception	D E Schmitzer, DJ4BG	24 - 32
1973/3	FM Transceiver with Multichannel Synthesiser, Part 1 : 80 Channel Synthesiser for 25 kHz Spacing	J Kestler, DK1OF	130 - 145
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1974/4	A System Board for the TEKO Modules	D E Schmitzer, DJ4BG	220 - 229
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1975/1	SSB / CX IF Module and AGC Circuit	D E Schmitzer, DJ4BG	34 - 39
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
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1987/1	A 10 kHz - 30 MHz Receiver Front End Part 1	Joachim Kestler, DK1OF	13 - 26
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1988/3	Short Wave Pre Selector Amplifier	Wolfgang Guenther, DF4UW	181 - 185
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1990/4	A Short Wave Receiver PLL	Dipl Eng Detlef Burcard	230 - 243
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