

Single Yagi EME



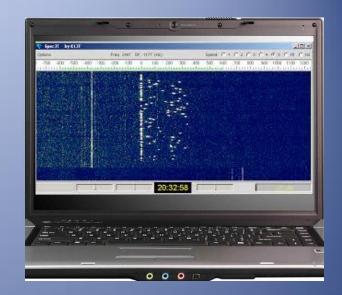


PACK

475

What you may need for an EME QSO

















NOUK WSJT EME - 2. https://www.chris.org/cgi-bin/jt65emeB

PingJockey Central WSJT Terrestrial WSJT EME - 1 CW EME Who's Earwigging?

Distance/Bearing Locator Refresh Look back Update User detailsRefreshed 28Sep

13:38

Due to recent abuse of this system, you will be unable to post any messages until you complete the User Details page Exchanging any contact details on here before you're complete, invalidates the contact, and, if it's not WSJT via Moonbounce it doesn't belong here!

Enter your message here

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DDMMM UTC
27Sep 23:58 ..... ====== {WC4N Mike TN EM86uk 47.40.234.137}
26Sep 01:08 CQ 432.065 1st ===== {LU1HKO Fernando xx FF78vn 181.110.169.173}
26Sep 01:08 432.065 ====== {LU1HKO Fernando xx FF78vn 181.110.169.173}
26Sep 01:05 Anyone for 432 ? ===== {LU1HKO Fernando xx FF78vn 181.110.169.173}
25Sep 00:40 Anyone for 432 Test? ===== {KD2LGX/2X9H/500 Larry NY FN13ig 74.74.225.168}
24Sep 00:29 432.065 ===== {LU1HKO Fernando xx FF78vn 181.110.145.237}
24Sep 00:29 GN, Anyone for 432 test? ===== {LU1HKO Fernando xx FF78vn 181.110.145.237}
24Sep 00:23 rx on 432.065 ===== {LU1HKO Fernando xx FF78vn 181.110.145.237}
23Sep 03:54 CQ 144.120 AB4YK FM18ar ===== {AB4YK Neil VA FM18ar 174.204.19.53}
23Sep 03:52 cg AB4YK Neil FM18ar ===== {AB4YK Neil VA FM18ar 174.204.19.53}
23Sep 00:23 Stop CQ 432.088 73, GL QRT ====== {KD2LGX/2X9H/500 Larry NY FN13ig 74.74.225.168}
22Sep 23:36 Understood Filippo, tree will be out of my way in a bit hi hi ====== {KD2LGX/2X9H/500 Larry NY FN13ig 74.74.225.168}
22Sep 23:34 Yes, I'm tx but conditions are really border-line ====== {IU2KXV Filippo xx JN45up 146.241.242.170}
22Sep 23:33 Yes, I'm tx but conditions are really border-line ====== {IU2KXV Filippo xx JN45up 146.241.242.170}
22Sep 23:20 NP was wondering if you were still transmitting, looking for you now .088 ===== {KD2LGX/2X9H/500 Larry NY FN13ig
74.74.225.168}
22Sep 23:19 Hi Larry, didn't see your question. I'm still here on .088 ===== {IU2KXV Filippo xx JN45up 146.241.242.170}
22Sep 23:16 cq 432.088 second ====== {IU2KXV Filippo xx JN45up 146.241.242.170}
22Sep 23:14 CQ CQ 432.088 first ====== {KD2LGX/2X9H/500 Larry NY FN13ig 74.74.225.168}
22Sep 23:10 IU2kxv Filippo, are you still QRV? ====== {KD2LGX/2X9H/500 Larry NY FN13ig 74.74.225.168}
22Sep 22:37 cg cg 432.090 ====== {IU2KXV Filippo xx JN45up 146.241.242.170}
11Sep 23:36 stop cq 432.090 ====== {KD2LGX/2X9H/500 Larry NY FN13ig 74.74.225.168}
11Sep 23:16 CQ CQ 432.090 first ====== {KD2LGX/2X9H/500 Larry NY FN13ig 74.74.225.168}
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HB9Q https://www.hb9q.ch/

EME LOGGER (CW, SSB, JT)50MHz144MHz222MHz432MHz902MHz1296MHz2300-5760MHz10000MHz and up Who's online? K1DS (me)

09-28 05:07:48	DK3WG	Jurg	gm/ge								
09-28 04:50:02	KA1GT	Bob	KA1GT will	be QRT unless there's anyone else who wants to try							
09-28 04:47:01	KA1GT	Bob	Tnx and 73								
09-28 04:46:50	KA1GT	Bob	Hope you ca	an get a little more power. Even 3dB would make a huge							
difference. Dgrd is -1.2, so at perigee we might make it without AP help!											
09-28 04:46:45	4x1aj	Andrey B.Ez	zhov	73!							
09-28 04:46:36	4x1aj	Andrey B.Ez	zhov	thank you so much, Bob. It's about Moonset here. I'm gonna							
park the dish											
09-28 04:45:34	4x1aj	Andrey B.Ez	zhov	SWR is below 1.1							
09-28 04:44:55	KA1GT	Bob	RR. I have a	round 250W at feed, so ~ 10dB difference. Sounds about right							
09-28 04:43:55	4x1aj	Andrey B.Ez	zhov	It means about 30-35 W outbut and 30 w at feedpoint							
09-28 04:43:09	4x1aj	Andrey B.Ez	zhov	BTW,part of my dish has been closed by trees already. Yes, but							
the cable is short enough - 5 m LMR400											
09-28 04:41:40	KA1GT	Bob	Is that 30W	at the feed?							
09-28 04:40:09	KA1GT	Bob	You are my	init #88 and first 4X1							
09-28 04:39:41	4x1aj	Andrey B.Ez	zhov	Of course, here is 30 Watts only							
09-28 04:39:10	KA1GT	Bob	That was in	credibly weak! Got your RRR and 73's by eye (no decode), but							
it counts!											
09-28 04:38:27	4x1aj	Andrey B.Ez	zhov	TNX FOR A NEW init #41							
09-28 04:35:26	4x1aj	Andrey B.Ez	zhov	THANK YOU!!!							
09-28 04:35:25	KA1GT	Bob	Got you -30	with AP 0434 -30 2.7 606 ## KA1GT 4X1AJ OOO a3							
09-28 04:34:03	4x1aj	Andrey B.Ez	zhov	answering							

2m CW EME DX station antenna gain approx 21 dB, +KW EIRP = 126 KW My station antenna gain est 14 dB, +350 W EIRP = 7 KW





POLISH VHF/UHF/SHF STATION

SP7DCS

QTH: ŁÓDŹ LOCATOR: JO91RT OP. CHRIS

TO RADIO
Thanks for QSO on AS. 91.2006 at 03:30 UTC
Freq A44 MHz EME Your Rot 0 Mode CW
TCVR 1.246 + CS35 B W out PSENTNX QSL
Antenna: 16 x 8 d Year VY73! CMD1 Direct or PZK

Address: Krzysztof Moczkowski, ul. Nastrojowa 52 m 6 91-496 ŁÓDŹ – Radogoszcz Wschód POLAND



TO RADIO

KIDS

DATE	G.M.T.	FREQ	MOD	RST	RIG INFO		
DIOS 15	91:52-	144,0492	CW	"0" 529	RX: FSC 11 LF 0.3 M + TRV TX: 16-735		
QSL: PSE TNX		LOCATOR: KM17VU			ANT: 6 * 6el x x 21,5 de POWER: 2 * 94746		
MODE: 1	MEX	MS	E-s	FAI	TROPO SAT		

Thank you for the FB 2m CW EME QSO Rick!

73s.....de SV1BTR
TNX FOR THE NICE QSO

Limmy

DIMITRIS VITTORAKIS THIVON 6 - 16673 VOULA ATHENS GREECE e-mail: jimmyv@hol.gr





25 meter dish =38.9 dB gain 432 MHz +200W = 1.5 MegaWatts EIRP 48.3dB gain at 1296MHz +150W = 10.1 MegaWatts EIRP



16 X 13 element Yagis = gain est 26 dBi + 750W = 300,000 Watts EIRP





DL7APV newly erected 128 11 element Yagi EME array



8m dish = 28.9 dB gain at 432 MHz + 750W = 582 KW EIRP



8.3m dish = 29.3 dB gain at 432 MHz + 1KW = 851 KW EIRP 38.9 dB gain at 1296 MHz +400W = 3.1 MegaWatts EIRP

WEST WINDSOR, NEW JERSEY USA

Al Katz 1621 Old Trenton Road West Windsor, NJ 08550

EME ~ FN20qg

a.katz@ieee.org



VK3UM EME Calculator [EMECalc]

This software, with the addition of a simple level indicator and preferably an in-line switched attenuator, will provide a most accurate way of assessing your equipment's performance. This software will accurately predict, to a very high degree;

the level of your own Moon echoes
the level of Echoes you will receive from another Station
the level of Echoes the other Station will receive from you
the level of Sun Noise you and the other Station will receive.
the level of Moon Noise you and the other Station will receive and
the level of received Galactic Noise you will expect to receive with
combinations of Sources.

Download EMECalc at:

http://www.vk3um.com/eme%20calculator.html

http://www.vk5dj.com/doug.html

30 X 15 el Yagis = est gain 27 dBi at 432 MHz + 1300 W = 650 KW EIRP

EUROPEAN RUSSIA

WAZ: 16 ITU: 29 Loc.: KO93BS RDA: TL-07

UA3PTW

TO RADIO

KIDS

VIA

DATE	UTC	MHz	RST	2-way
5, NOV 2017	0143	432	0	JT650
			-27	EME
				O MANUEL STATE OF THE PARTY OF

Pse QSL Tnx

Dmitrij Kozlov

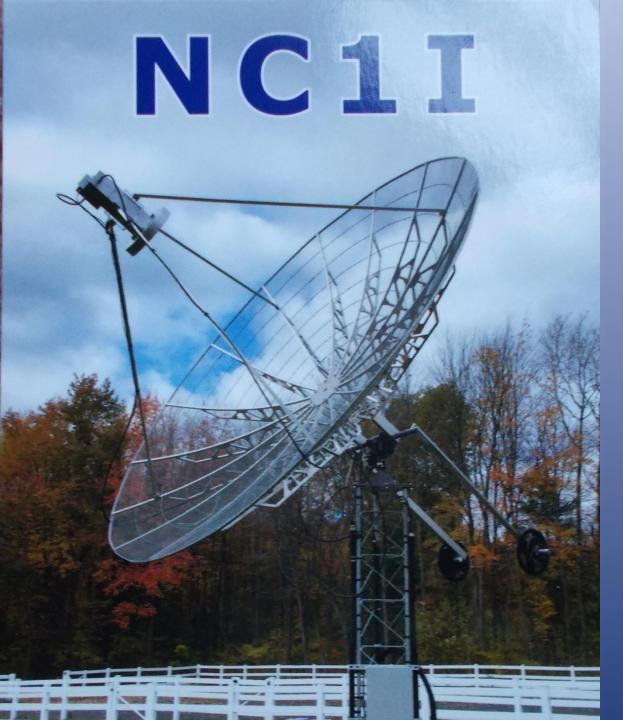
P. O. Box 6, Bogoroditsk Tulskaya obl. 301835 RUSSIA e-mail: ua3ptw@ipbox.ru

73!

UA10MS QSLprint http://www.quadrat.ru/qsl

UA3PTW 432MHz





48 X 15 el K1FO 432 MHz Yagis Est gain = 28 dB + 1500 W = 940 KW EIRP

4.5m dish at 1296 MHz
Est gain = 33.4 dB
+1 KW = 2.1 MegaWatts EIRP

16 X 27 element Yagis at 432 MHz est 26 dB gain + 700 W = 278 KW EIRP



This is the QSL from the W3CCX Camelback June 2017 10GHz QSO using the WA3LBI station



15.3m dish gain at 432 MHz = 34.5 dB + KW = 2.8 MegaWatts EIRP

10m dish at 1296 MHz = 40.4 dB gain + KW = 40.4 = 10 MegaWatts EIRP



DX-Group HB9CRQ

KP4AO Arecibo, 530m dish, 61 dB gain at 432MHz. Using 35W = 34 MegaWatts EIRP Using 500W=498 MegaWatts EIRP







My Florida QSL card

