

2010 ARRL International EME Competition Results

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Earth-Moon-Earth - in the unassisted and random fashion

The 32nd annual 2010 ARRL International EME Competition once again provided vigorous activity and produced incredible scores. As technologies continue to offer new ways to aid the EME station, QSO rates are increasing. Smaller stations are scoring higher and bigger total scores have been logged by most participants. Portable operators made a larger appearance in the competition this year, too.

The event features three separate weekends of competition. For the accomplished microwave contester, the initial weekend of 4-5 September offered operation on the 2.3 GHz and up microwave bands. Competition on 50 MHz thru 1296 MHz is always held on two separate weekends. This year, the “good Moon” rose on 2-3 and 30-31 October.

The overall highest score and the first-place winner of the Multi-Operator, All Mode, All Band category went to Team K1JT with a new All-Time record of 6,643,200 points. The first-place winner of the Single Operator, All Mode, All Band category was Kozlov, UA3PTW, who also produced the second-highest overall score of 2,575,800 points. Very closely trailing Kozlov in the same category was Viljo, ES5PC, with 2,488,800 total points. Turning in a huge score in the Single Operator, CW Only, All Band category was Dimitris, SV1BTR, with 2,208,900 total points. A very close finish to Dimitris was Stig, OZ4MM, with 2,147,300 points.

Table 1 lists the top three scores for each certificate category offered in the 2010 ARRL International EME Competition: Single-Operator and Multioperator, All Mode and CW only, All Band and for each Single Band.

Statistics and Observations

- A total of 109 logs were received this year.
- There were many more participating stations than there were logs received as shown in **Table 2**. The “Stations” column shows the number of stations submitting logs with QSOs on the specified band while the remaining columns give the maximum number of QSOs reported on each band in any mode and the maximum number of reported CW QSOs (50-1296 MHz only). On 2.3 GHz and up, nearly all QSOs are on CW so no mode distinction is made.
- Portable EME operations are becoming more significant during this contest, often being from rare and even First Activations of new grids, zones and DXCC entities. I have personally seen the first three Worked All Zones (WAZ) occur on 144 MHz during my portable operations.
- Another huge turn out on 1296 MHz and 2.4 GHz: these two bands see more activity every year and the scores continue to rise.
- Team K1JT finished with another All-Time high score in the ARRL International EME Competition.
- There were very close races in these categories:
 - o Single-Operator, CW Only, All Band: SV1BTR and OZ4MM
 - o Single-Operator, All Mode, All Band: UA3PTW and ES5PC
 - o Single-Operator, All Mode, 144 MHz: RK3FG and IK1UWL
 - o Multioperator, All Mode, 144 MHz: RU1AA and IK3MAC
- New All-Time records:
 - o Single-Operator, CW Only, 1296 MHz: SM4IVE

- Multioperator, All Mode, All Band: K1JT

Looking at the scores, it is apparent the 2010 ARRL International EME Competition brought out the contesting mood. Large scores were once again seen through the use of increasingly user-friendly, wideband reception techniques, improvements in the digital modes and the likely contribution from the large population on Internet chat websites. It is difficult to determine the percentage of the latter however it appears to be significant.

This phenomenon is interesting, illustrating that the collective mass of the chat environment is adding more than just a few points to the contest log. Assisted EME operation remains taboo in the ARRL International EME Competition, yet at the same time one can see on the 144 MHz band that QSOs completed by far outnumbers 2 meter competitors in the 2010 event.

If there were an ability to post spots without a chat function, it would make sense to allow spotting activity as long as third parties were prevented from commenting on the QSO and the contesters were only allowed to spot their operating frequency. Again, it is apparent that non-entrants to the contest are aiding the contesters. Also brought to my attention is the fact that contesters are being spotted on the chat pages, posting their whereabouts on the dial. Many things about the “chat loggers” are enhancing competition scores, even though some of the operators in the chat rooms have little ability for random operation.

See You On the Moon

Please plan to attend the 33rd Annual ARRL International EME Competition in September and October (watch the contest website for date announcements - www.arrl.org/eme-contest) and give yourself a challenge in demanding contesting.

Table 1 – Top Three Scores in each Category

Band Abbreviations (MHz, G-GHz): A-50, B-144, D-432, E-1296, F-2.3G, G-3.4G, H-5.7G, I-10.3G

Single-Operator , All Mode, All Bands

Call	QSOs	Mults	Score	Band(s)
UA3PTW	244	106	2,575,800	BDEF
ES5PC	204	122	2,488,800	BDEFGHI
OK1DFC	191	101	1,929,100	DEF

Single-Operator , CW Only, All Bands

Call	QSOs	Mults	Score	Band(s)
SV1BTR	199	111	2,208,900	BDEF
OZ4MM	197	109	2,147,300	BDEF
G3LTF	160	88	1,408,000	DEFGH

Multioperator, All Mode, All Bands

Call	QSOs	Mults	Score	Band(s)
K1JT	384	173	6,643,200	BDEFG
K4EME	112	64	716,800	BD
LU1C	80	44	347,600	BDE

Multioperator, CW Only, All Bands

Call	QSOs	Mults	Score	Band(s)
SP6JLW	119	56	666,400	DE
SP7DCS	90	50	450,000	BE

Single-Operator , All Mode, Single Band

Call	QSOs	Mults	Score	Band(s)
3D2LR	12	9	10,800	A
RK3FG	198	71	1,405,800	B
IK1UWL	189	72	1,360,800	B
LZ1DP	139	69	959,100	B
JJ1NNJ	23	17	39,100	D
OK2POI	21	16	33,600	D
VA3GMT	7	5	3,500	D
OK2DL	98	41	401,800	E
YO8BCF	72	31	223,200	E
UT2EG	65	31	201,500	E
OK1CA	43	27	116,100	F
F2TU	38	25	95,000	F
W9IIX	8	8	6,400	F
ON5TA	8	6	4,800	I
SP3DRT	4	4	1,600	I

Single-Operator , CW Only, Single Band

Call	QSOs	Mults	Score	Band(s)
OK1MS	35	23	80,500	B
OZ1HNE	26	18	46,800	B
IK1FJI	25	17	42,500	B
I1NDP	43	24	103,200	D
KL6M	28	20	56,000	D
SM4IVE	117	43	503,100	E
LZ2US	91	38	345,800	E
N4PZ	86	32	275,200	E

Multioperator, CW Only, Single Band

Call	QSOs	Mults	Score	Band(s)
DLØSHF	112	44	492,800	E
N2UO	91	39	354,900	E

Multioperator, All Mode, Single Band

Call	QSOs	Mults	Score	Band(s)
RU1AA	266	84	2,184,000	B
IK3MAC	257	84	2,056,000	B
I2FAK	210	71	1,491,000	B
OH2PO	56	24	134,400	D
IZ1BPN	93	37	344,100	E
DL6SH	78	36	280,800	E
VA7MM	37	17	172,800	E
SP6OPN	36	24	86,400	F
WD5AGO28	21	21	58,800	F
OK1KIR	10	8	8,000	H
SQ6OPG	1	1	100	H

Table 2 – Activity by Band

Band	Stations	Max QSOs	Max QSOs
		Any mode	CW only
50 MHz	1	12	0
144 MHz	44	266	41
432 MHz	29	56	56
1296 MHz		54	117
2.3 GHz	20	43	
3.4 GHz	3	7	
5.7 GHz	5	10	
10 GHz	6	8	