

The 144 MHz EME NewsLetter

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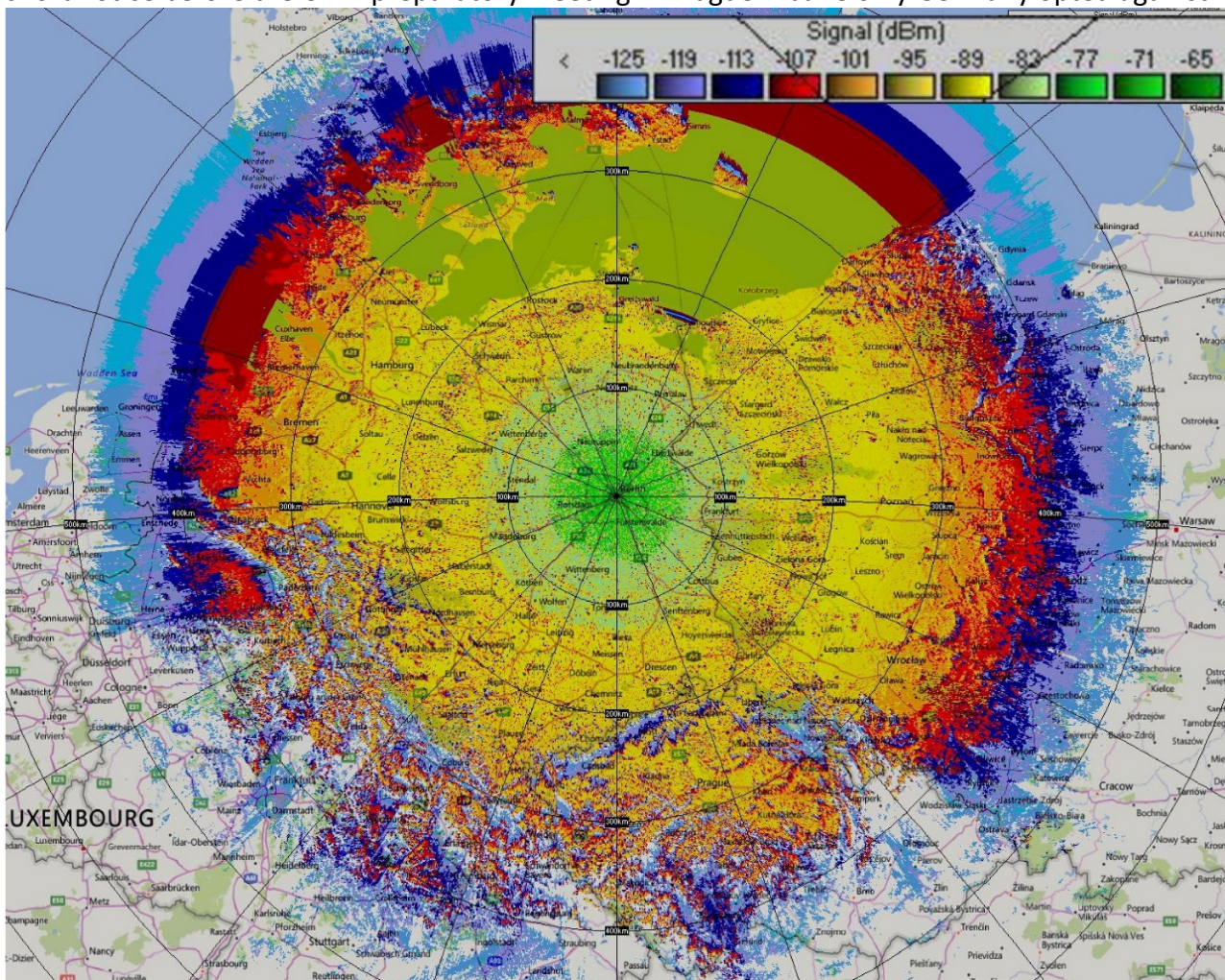
www.df2zc.de



Issue 9/2019 15 September 2019

French Attack on 144 MHz Failed – For Now

Most of us are aware that during the preparation process for the WRC-19 which starts on October 28th in Sharm-el-Sheikh, Egypt, France had handed in a proposal seeking new allocations for non-security relevant aeronautical mobile systems (AMS). The French administration wanted the WRC-19 to decide on studies for new frequency allocations for AMS use which included also the 144-146 MHz band. Based on the results of these studies the next WRC in 2023 should decide about co-primary use of the 2-m-band by amateur radio and AMS. Since that proposal was handed in only at short notice before the CEPT preparatory meeting in Prague in June only Germany opted against it.



Coverage area of a AMS transmitter in JO62QM with 1 W EIRP at 10 km height.

The following preparatory meeting was scheduled for the last week of August, taking place in Ankara, Turkey. In the meantime many amateur radio associations prepared statements explaining that even from today's point of view a co-primary use of the 2-m-band would only lead to strong mutual interference and consequently security issues. With assistance from Joop, PA0JMV, DF2ZC had developed a paper clearly showing that even with only 1 watt out at a omni-directional antenna at a height of 500 m an area with nearly 400 km diameter was covered with substantial signal levels. This of course got worse at greater heights up to 10 km. This paper also showed that even modest amateur radio setups would cause high signal strengths at AMS receivers in some hundreds km distance. This paper was handed in as official document of the German delegation in the Ankara meeting.

Also IARU put much effort into developing a document making it clear that technically and also from a propagation point of view nothing speaks in favour of conducting studies since the results for everybody are already plain to see already now.

So with some excitement the amateur radio community waited for the "white smoke" from the Ankara CEPT meeting, whether the common European Proposal for the agenda of WRC-19 would include 2 m or not. The quorum was that at least 10 European administrations must vote in favour of a proposal while no more than 6 administrations opt against it. Apparently the arguments spoke for themselves: even 10 administration decided against the inclusion of 2 m. So 144-146 MHz was officially removed from the French proposal.

However, we should all remain alerted. Sooner or later a new attack on the Amateur Radio bands will take place. France can still hand in this proposal as a French-only at the WRC though this would have by far lower status compared to a common proposal by the CEPT countries.

Why did it come at all that the 2-m-band was included? This question is being discussed at www.save2m.org where you can also download particular papers by Germany and the IARU. It comes as no surprise that an industrial background is very likely. Without strong amateur radio associations – national and international – the outcome of this attack on 2 m could have been different. It costs some money to participate at the various national meetings as well as with CEPT, ITU and WRC to have a platform to express the views and interests of amateur radio. Maybe it is worthwhile re-considering becoming a member of your national association, if you are not or not any more? And ask your friends to think about it. Only together we are strong.

Upcoming DXpeditions

For more information on current and upcoming DXpeditions please have a look at www.mmmonvhf.de from where most of the information here was gathered unless noted otherwise.

5H3EME QRV from Tansania?

An international team of ham operators will be QRV from Zanzibar from 15th to 30th November 2019 and maybe will also run 2m EME. Setup details are not known yet.

A21EME (KG25WK) QRV from Botswana

A 8 band moonbounce DXpedition will take place from 20th to 29th October 2019 from Botswana. The team members are Lins PA3CMC, John ZS6JON, Chris PA2CHR, Paul ZS6NK, Andrew ZS6AVH,

Bernie ZS4TX, Sam HB9COG and Dan HB9CRQ. The 2 m setup will be 2 x 12 ele X pole design I3DLI, LNA and a good SSPA. Please see www.pa3cmc.nl for further info.

KB7Q Activating DN82, DN83

From October 16th to 19th Gene will be QRV on 2m and 70 cm from to rare squares in South Dakota and Nebraska. Plans are 2 m from DN83GH on October 17th and from DN82GP during the ARRL EME contest on October 19th. Latest news are on <http://kb7qgrid.blogspot.com/>

Time Table

19/20 October ARRL EME Contest First Leg

22 October October issue of the 144 MHz EME News-letter ready for download

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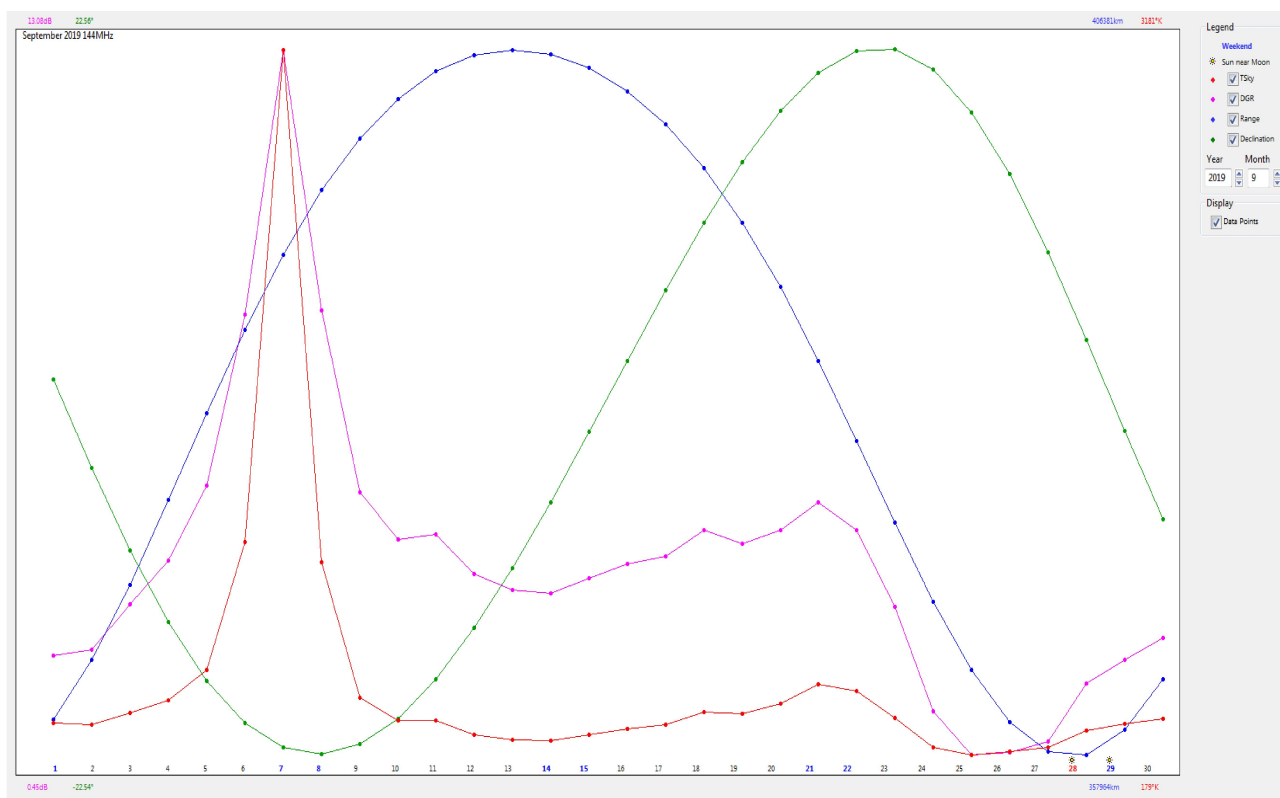
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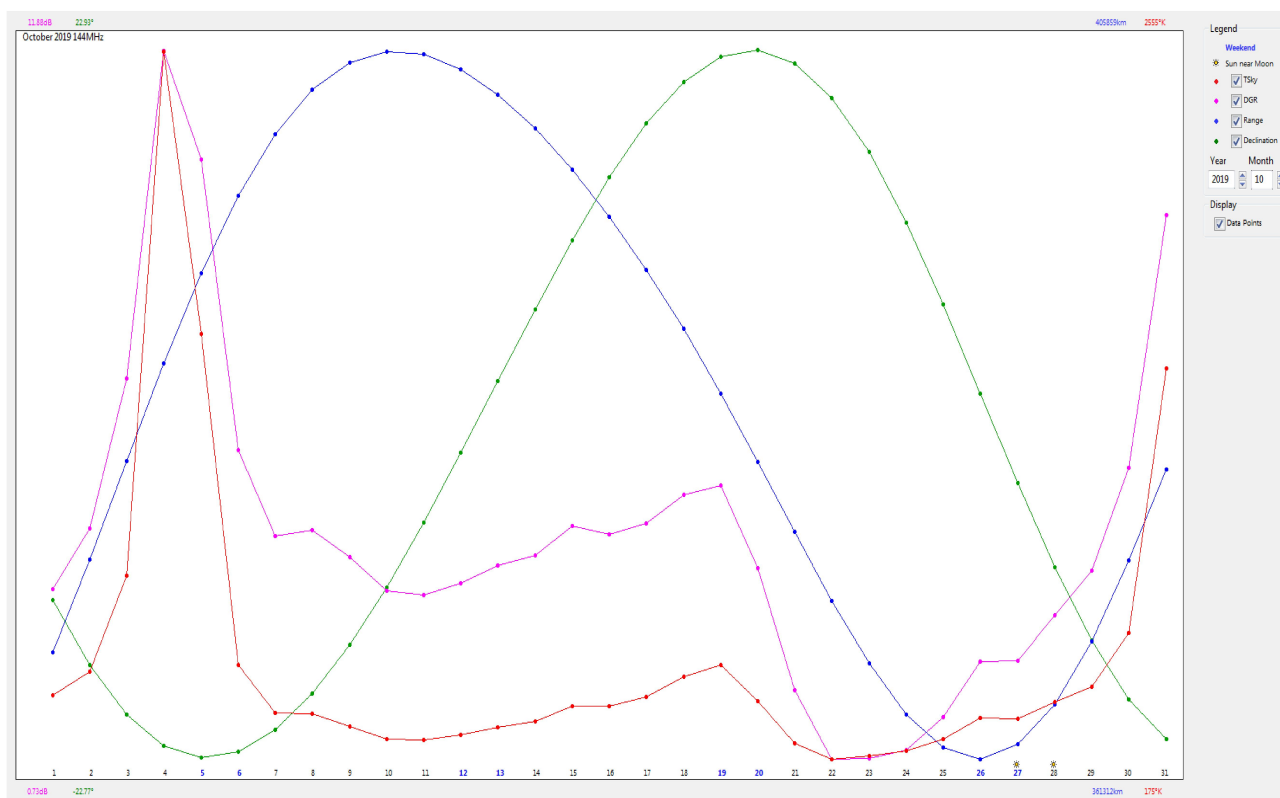
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DXpedition info courtesy
www.mmmonvhf.de and other sources

Moon Conditions



Moon Graph September 2019



Moon Graph October 2019

(Courtesy of David GM4JJJ (sk) www.gm4jjj.co.uk/MoonSked/moonsked.htm)