



P A R K A I R E L E C T R O N I C S

11 January, 2002

FAA
Spectrum Engineering Division
AES 500
800 Independence Avenue SW.,
Washington
DC 20591

Dear Sirs,

Park Air Electronics Ltd is filing an application with the FCC for type acceptance of the company's multichannel transceiver type 3060V2 for use in the 118MHz to 136.975MHz aviation band employing A3E modulation and 25kHz channel spacing.

This is a ground to air transceiver designed for civil and military applications in the VHF and UHF aeronautical bands. Boeing is currently purchasing the equipment for demonstration purposes and we are requesting FCC approval for use in the VHF AM aeronautical band.

The radio is sold in the United Kingdom to the UK Ministry of Defence and has undergone rigorous EMC testing to MIL STD 461D and DEF STAN 59-41.

With 25/8.33kHz channelling The multichannel capability allows the radios to also be used as backup stations for all single channel equipments at site installations.

Yours sincerely,

A. Horsfield.
Consultant Engineer
EMC and Approvals.

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P A R K A I R E L E C T R O N I C S L T D

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Tel: +44 (0) 1778 345434 Fax: 342877 Sales Fax: 341286 www.parkair.co.uk

Registered in England 1951792 An ISO9001 Approved Company

A subsidiary of Northrop Grumman Corporation

FAA Notification of FCC Type Acceptance Application.

FCC Number	C8L B3060V2
Manufacturer	Park Air Electronics Ltd. England.
Description	VHF/UHF Multimode transceiver
Model Number	B3060V2
RF Output Power	40 Watts AM 60W FM
Frequency range	100 – 163MHz and 225 – 399.975MHz
Method of tuning	Front panel keypad with band edge selection via second function key sequence.
Channelling capability	25 kHz & 8.33kHz
Emission bandwidth	See plot
Emission type	A3E , F3E , AXX ,FXX
Emission Plots	See attachment
Harmonic Levels	All harmonic levels are <-70dBc.

An application to the FCC has been made for authorisation to use this equipment in the band 118MHz to 136.975 MHz employing AM (6K0A3E) modulation with 25kHz channel spacing.

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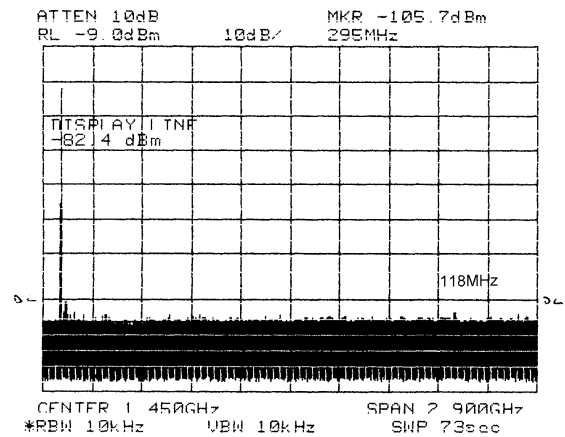
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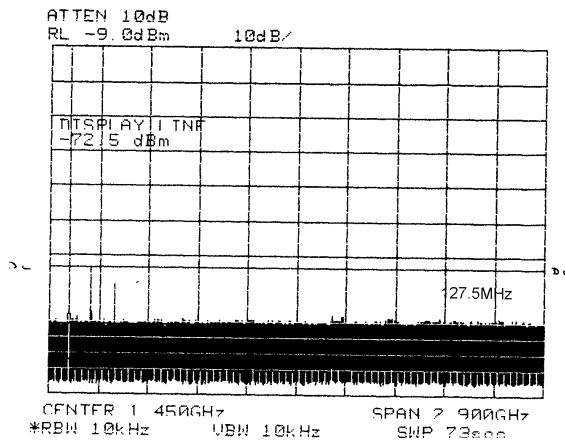
PAE 3060

Typical Transmitter Harmonic and Spurious outputs

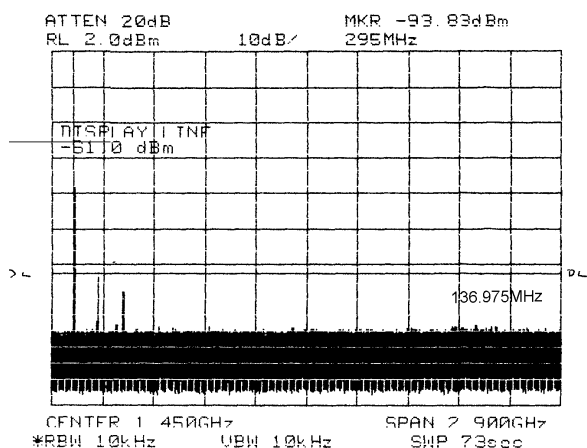
Measured via 30dB attenuator and high pass filter to reject F_c .



Recorded Level at $2F_c$ = -51.5dBm at antenna port
(Generator substitution method)



Recorded Level at $2F_c$ = -41.0dBm at antenna port
(Generator substitution method)



Recorded Level at $2F_c$ = -29dBm at antenna port
(Generator substitution method)

PARK AIR ELECTRONICS LTD

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Results from test house on sample evaluated for FCC approval

Results in accordance with Part 2.1051 and 87.139 Emission Limits

Note: Emissions more than 20dB below limit are not required to be listed

Carrier Frequency (Fc) : 127.000 MHz Mode: A.M.

Frequency (MHz)	Identity	Absolute Level dBm	Limit [43+10log(P)]
254.000	2Fc	-53.6	-13 dBm
381.000	3FC	-37.2	-13 dBm
All other emissions were more than 20 dB below the limit			

Occupied Bandwidth plot:

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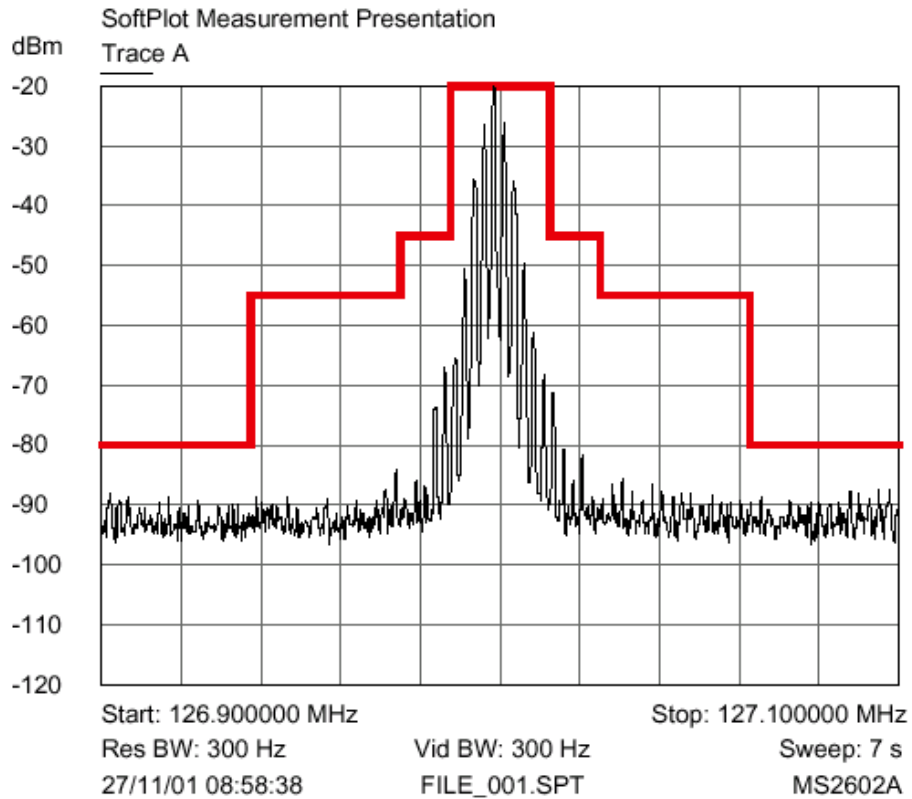
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127.000 MHz A.M.



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