Exhibit 5: EMI Test Report

External Radio Frequency Power Amplifier OM2000+

Model 2000+

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EMI Test Report

for OM Power

Product Name: OM2000+
Regulation: FCC, Part 97 Sub Part D
Date of test: April 2014

Tested by: Eng. Jozef Lang at OM Power s.r.o.
Test Method: FCC, Part 97.317 (a)(1)(2)(3), (b)(1)(2)
Part 97.307 (d), (e)
Responsible Parties
Manufacturer: OM Power - Slovakia
Applicant: Array Solutions

EUT Type/Model #: Linear Amplifier OM2000+

Test Location: OM Power, Ltd. Laboratory

EUT Description

The EUT (OM2000+) is a Linear Amplifier for Amateur Radio.

The tests were run in a typical configuration including the following support equipment:

1) H.F. Transceiver
2) Power Supply for transceiver

Reason for Test

Compliance with FCC Part 97

Changes made during test: none
Deviations from standard test method: none

Test Summary

The OM2000+ complied with FCC Part 97 Subpart D, 97.307 and 97.317 Limits for Amateur Radio equipment when tested in the system configuration defined herein.

The following table indicates the measurement points and test results for the harmonic emissions to the tenth order:

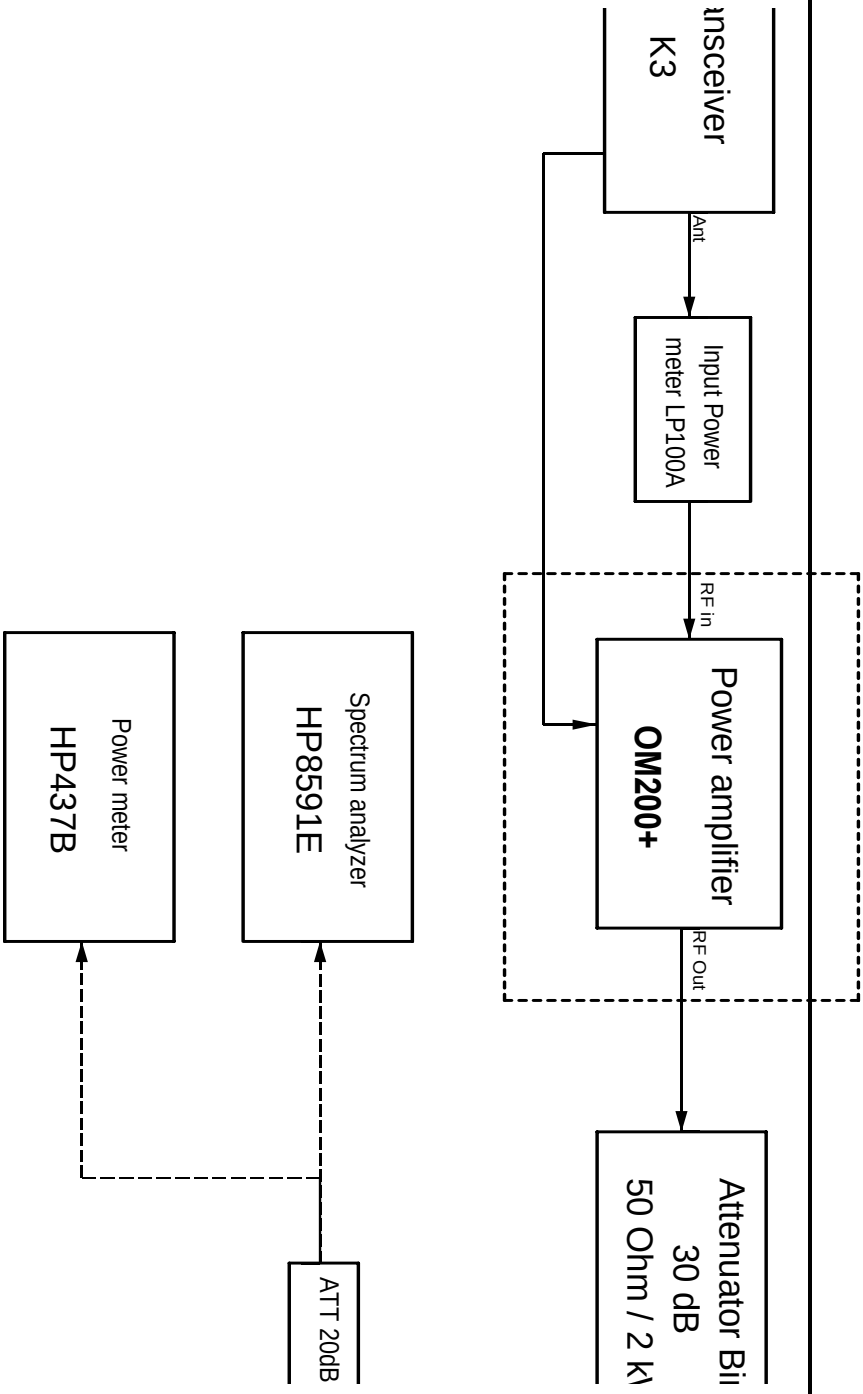
The following table indicates the measurement results for OM2000+ power amplifier.

Power Gain per 97.317				**Spurious emmisions per 97.307d**			
Frequency f1, MHz	**Input Power, W**	**Output Power, W**	**Amplifier Gain, dB**	**2f1, dBc**	**3f1, dBc**	**4f1, dBc**	**5-10f1, dBc worst case**
1,850	75	1500	13,01	51,7	75,0	82,1	85,0
3,750	72	1500	13,19	50,6	76,1	81,9	85,0
7,150	70,5	1500	13,28	58,3	81,8	81,1	85,0
10,125	72	1500	13,19	58,7	81,7	82,1	85,0
14,175	69,8	1500	13,32	61,8	82,1	85,0	85,0
18,100	69	1500	13,37	62,9	76,1	81,2	85,0
21,225	65,3	1500	13,61	64,5	80,4	81,3	85,0
24,930	58,5	1500	14,09	54,5	72,1	81,5	85,0
28,500	51,8	1500	14,62	64,7	71,0	76,1	80,0
50,200	63,4	1500	13,74	58,2	55,5	73,1	80,0
Amplifier was not capable of operation on any frequency or frequencies between 26 and 28MHz as measured at the points below per 97.317-(a) (3).							
26,000	50	48,9	-0,10				
27,000	50	48,8	-0,11				
28,000	50	48,5	-0,13				

The following table indicates the measurement points and test results for the Inter Modulation Distortions to the 11-th order:

Inter-modulation in dB relative to 1500W PEP per 97.307(a)(b)					
Order:	**D3**	**D5**	**D7**	**D9**	**D11 and higher**
Freq. MHz	**dB**	**dB**	**dB**	**dB**	**dB**
14,200	-34,2	-47,8	-55,1	-60,6	-64

Setup Block Diagram for OM2000+



EUT Technical Data

Description: Linear Amplifier OM2000+
Manuf/Model: OM Power ltd. Slovakia / Model 2000+
Serial #: 1424
FCC Ident.: X8NOM2000

Power supply (Rated): 240 VAC 50/60Hz
Power supply (Tested): 240VAC 50Hz
Internal Options: None
Frequencies Amplified: Amateur radio bands from 1.8MHz through 54 MHz

Support Equipment Data

Description: HF Transceiver Manufacturer / Model: ELECRAFT K3
Serial Number: 4191
Power: 230 VAC 50Hz
Internal Options: None
Frequencies Generated: from 1.8 MHz to 54 MHz

Cables Description

Transceiver Ant. to Input Power Meter - RG58/U, 1,5m length
Input Power Meter to EUT input - RG58/U, 30cm length
Output Power Meter to Dummy Load /Attenuator - RG213/U, 1,5m length
Dummy Load /Attenuator/out to Spectrum Analyzer - RG58/U, 1.5m length

EUT I/O Ports

OM2000+
Key-In (Transmit/Receive Relay Control)
Key-Out (Not Connected)
RF INPUT 50 Ohm
RF OUTPUT A1 to A3 - 50 Ohm
Mains AC Input 240V 50/60Hz

Test Equipment List

#	Equipment type	Manufacturer	Model #	Serial #	Used
1	Spectrum analyzer	Hewlett Packard	HP 8591E	3313000605	Yes

2	2kW 30dB Attenuator	BIRD	8329-300	263	Yes
3	20dB Attenuator	Spinner	BN 52 86 38		Yes
4	Power meter	Hewlett Packard	HP 437B	3043U04049	Yes
5	Power sensor	Hewlett Packard	HP 8482A		Yes
6	Power meter	TelePost, Inc	LP100		Yes
7	HF Transceiver	Elecraft	K3	4191	Yes
8	Two-Tone Generator	Elecraft	build in K3		Yes

John D Terleski

Array Solutions - President