

Explanation of Modifications of Station WF2XAM License

In order to simplify the license, and to address FAA's request that BAE Systems modify the license to reflect the Special Conditions on the license, the authorized frequencies on the license have been modified as follows:

I. Frequency Modifications and Clarifications – See Page 2 herein

Deletion of Certain Antenna 1 Ranges/Frequencies

Deletion of Antenna 2 in its Entirety

Modifications of Certain Frequency Ranges

II. Listing of 99 Discrete Frequencies Being Operated within 228.8-328.6 MHz To Avoid Carve-Outs at Special Conditions 11, 28 and To Avoid the UHF ATC Frequencies at Annex A Pursuant to Special Condition 24

See Page 3 herein

III. Confirmation of Currently Supported Government Contract Activity

See Page 4 herein

As a result of these modifications, BAE Systems requests that the Commission:

Delete the following Special Conditions as unnecessary:

Delete Special Conditions 9, 10, 12, 13, 14, 18, 21, 22, 23, 29, & 31.

Modify the following Special Conditions as follows:

(27) Operation is NOT PERMITTED for Internal Research and Development activity. This authorization is issued for the purpose of conducting experimental operations in the related application and required by USAF **Contracts FA8620-16-G-3028, FA8620-19-F-4716, FA8528-16-D-0009, FA8620-19-C-2009, FA8650-17-C-8578, FA8600-13-C-9503/FA8002-12-G-542 and US Army Contract W911QY-14-D-0029** only.

(30) Radiation in azimuth is confined to 265-302 degrees reference to True North for operation in the frequency band ~~1200-1390 MHz and~~ 2700-2900 MHz.

I. Frequency Modifications and Clarifications

Deletion of Certain Antenna 1 Ranges/Frequencies

The following ranges/frequencies are being deleted:
1218.95 MHz, 1243.325 MHz, 1251-1390 MHz, 1427-1660 MHz, 1918.724 MHz, 1998.8 MHz,
2000 MHz, 2320-2345 MHz, 2360-2450 MHz, 2500 MHz, 2533.6 MHz, 2536.225 MHz,
2586.95 MHz, 15150-15350 MHz

Deletion of Antenna 2 in its Entirety

The mobile operations at Antenna 2 are deleted in their entirety.

Modifications of Certain Frequency Ranges

15.01-29.9 MHz	Modified to sub-ranges 15.02-19.98 MHz, 20.02-24.98 MHz, 25.02-29.90 MHz to avoid carve-outs at Special Condition 14 and the .007W power level was deleted
75.4-108 MHz	Modified to 75.6-108 MHz to avoid band edge at Special Condition 14
108.5-117.975 MHz	Modified to the following discrete frequencies 109.2 MHz, 109.5 MHz, 110.2 MHz, 111.575 MHz, 113.575 MHz, 113.825 MHz, 114.675 MHz, 115 MHz, 115.775 MHz, 116.1 MHz, 116.875 MHz, 117.275 MHz, 117.975 to avoid carve-outs at Special Conditions 13, 23, 29, 31
121.9375-129.2 MHz	Modified to sub-ranges 121.938-121.965 MHz, 122.685-123.5775 MHz, 128.85-129.2 MHz to avoid carve-outs at Special Conditions 18 and 31
129.5-135.2 MHz; 129.5-135.975 MHz	Modified to sub-ranges/frequencies 129.5-132 MHz, 134.100 MHz, 135.850 MHz to avoid carve-outs and restrictions at Special Conditions 21 and 31 and the .007W power level was deleted
137.1-138 MHz	Modified to 137.2-138 MHz to avoid band edge at Special Condition 14
174-228.6 MHz	Modified to sub-ranges/frequencies 174-225.00 MHz, 225.70-226.50 MHz, 227 MHz, 228 MHz to avoid carve-outs at Special Conditions 23 and 24
335.4-454 MHz	Modified to sub-ranges 397.95-405.5 MHz, 406.15-413.1025 MHz, 414.6725-454 MHz to avoid carve-outs at Special Conditions 14, 24
508-608 MHz	Modified to 508-607 MHz to avoid band edge at Special Condition 14
940.4-1200 MHz	Modified to the following discrete frequencies 942.275 MHz, 961.125 MHz, 980.350 MHz, 999.950 MHz, 1019.950 MHz, 1040.350 MHz, 1061.150 MHz, 1104.025 MHz, 1126.125 MHz, 1148.625 MHz, 1171.600 MHz, 1195.050 MHz to avoid carve-outs at Special Conditions 18 and 31 and the .007W power level was deleted
2200-2310 MHz	Modified to 2200-2305 MHz to avoid band edge at Special Condition 5
Removal of 25K0F3D/11K0F3D Designators	The 25K0F3D and 11K0F3D designators are being removed from any ranges/frequencies remaining on the license.

**II. Listing of 99 Discrete Frequencies Being Operated within 228.8-328.6 MHz
To Avoid Carve-Outs at Special Conditions 11, 28 and
To Avoid the UHF ATC Frequencies at Annex A Pursuant to Special Condition 24**

BAE Systems clarifies that only the following 99 discrete frequencies listed below will be operated within the frequency range 228.8-328.6 MHz in order to avoid carve-outs at Special Conditions 11, 28 and to avoid the UHF ATC frequencies at Annex A pursuant to Special Condition 24:

M229	M246	M268	M288	M309
M230	M248	M268.5	M288.75	M310
M230.25	M248.25	M270	M290	M311.25
M231	M250	M270.75	M291	M312
M232	M250.5	M272	M292	M313.5
M232.5	M252	M273	M293.25	M314.1
M233	M252.75	M274	M294	M315.75
M234	M254	M275	M295	M316
M234.75	M255	M275.25	M295.5	M318
M235	M256	M276	M296	M320
M236	M257.25	M277.5	M297.75	M320.25
M237	M258	M278	M298	M322
M238	M259.5	M279.75	M300	M322.7
M239.2	M260	M280	M302	M324
M240	M261.75	M282	M302.25	M324.75
M241.5	M262	M284.1	M304	M324.95
M242	M264	M284.25	M304.5	M326.8
M243.75	M265	M285	M306	M327.2
M244	M266	M286	M306.75	M328
M245	M266.25	M286.5	M308	

III. Confirmation of Currently Supported Government Contract Activity

It is requested that Special Condition 27 be modified as set forth below to reflect the government contracts currently supported by the WF2XAM license:

(27) Operation is NOT PERMITTED for Internal Research and Development activity. This authorization is issued for the purpose of conducting experimental operations in the related application and required by USAF **Contracts FA8620-16-G-3028, FA8620-19-F-4716, FA8528-16-D-0009, FA8620-19-C-2009, FA8650-17-C-8578, ~~FA8600-13-C-9503/FA8002-12-G-542~~ and US Army Contract W911QY-14-D-0029** only.

NOTE: For the Commission's records, the POC information for the current contracts is as set forth below:

USAF Contracts

Contract No.: FA8620-16-G-3028
Capt. Marilyn Brooks-Arlint
USAF EC-37B Deputy Program Manager
Work Phone: (937)255-2500
Cell: (937)620-5932
Email: marilyn.brooks_arlint@us.af.mil

Contract Number: FA8620-19-F-4716
Contract POC: Louis J. Winder, Title: Test Coordinator, SRC Inc. Contractor
661st AESS
Phone # (951) 830-7904
Email: louis.winder.ctr@us.af.mil

Contract No.: FA8528-16-D-0009
Contract POC: Kacie Mcinvale; U-2 EW Program Manager
(478) 926-8333
Kacie.Mcinvale@US.AF.MIL

Contract No.: FA8620-19-C-2009
Contract POC: Christina Lemoine
Tel: 937-255-8455
christina.lemoine@us.af.mil

Contract Number: FA8650-17-C-8578
Contract POC: James Blackston (937) 656-9900
James.blackston@us.af.mil

US Army Contract

Contract Number: W911QY-14-D-0029
POC: Gavin Toth
Email: gavin.r.toth.civ@mail.mil
Phone: 703-704-4110