

From: Thomas Santangelo

To: Nimesh Sangani

Date: July 14, 2020

Subject: FAA Coordination Required

Message:

Ref. 54473, 54707

File No. 0054-EX-CM-2020

Mr. Sangani and Mr. Ghaffari:

As you can see below, FAA's Rodney Murphy has confirmed that FAA coordination of pending File No. 0054-EX-CM-2020 has been completed.

As specified by Mr. Murphy, a summary of FAA coordination for Records TRK 200262-200269 is pasted below – see also the attached document which supplements the summary below.

It is requested that the Commission incorporate the results below into pending File No. 0054-EX-CM-2020 as soon as possible, and move to final processing and grant.

Please let us know as soon as possible if immediate final processing and grant of File No. 0054-EX-CM-2020 is not possible.

Best regards,

Jeff Rummel
Attorney for Cobham AES

SUMMARY OF FAA COORDINATIONS

TRK 200262 / NG T200277

Re: The 121.925-123.6 MHz band that is currently granted on the license

- Cobham no longer permitted to operate in the full 121.925-123.6 MHz range
- Rather, Cobham's operation will be limited to: 123.1125-123.5875 MHz

TRK 200263 / NG T200278

Re: The 74.8-75.2 MHz band that is currently granted on the license

- FAA Concurs – No conditions

TRK 200264 / NG T200279

Re: Proposed expanded range of 80-112 MHz

- Cobham's operation will be limited to the following discrete frequencies: 108.125 MHz; 110.125 MHz; 111.975 MHz

TRK 200265 / NG T200280

TRK 200266 / NG T200281

Re: The 128.8-132.025 MHz band that is currently granted on the license

- Cobham no longer permitted to operate in the full 128.8-132.025 MHz range
- Rather, Cobham's operation will be limited to: 128.8125 MHz to 132.0125 MHz

TRK 200267 / NG T200282

Re: The 320-406 MHz band that is currently granted on the license

- Cobham no longer permitted to operate in the full 320-406 MHz range
- Rather, Cobham's operation will be limited to: 320-400.0125 MHz

BUT - Cobham's operation within 320-400.0125 MHz would be further restricted as follows:

Within the range of 328.6-335.4 MHz, Cobham is authorized to operate only on the discrete frequencies 329MHz, 332MHz, and 335MHz

FAU Line: MODIFY SPECIAL CONDITIONS TO READ: "SPECIAL CONDITIONS: COBHAM ADVANCED ELECTRONIC SOLUTIONS INC. IS AUTHORIZED THE FOLLOWING 3 (THREE) FREQUENCIES. THE FREQUENCIES (ALL IN MHZ) ARE: 329.000, 332.000, 335.000"; THE FAA WILL REQUIRE THE SUBMISSION OF 3 SEPARATE RECORDS WITH THE FCC., ONE FOR EACH FREQUENCY HEREIN.

And the following frequencies from the attached chart are prohibited

M322.300	M335.525	M350.300	M360.800	M380.050
M322.325	M335.550	M350.325	M360.825	M380.100
M322.350	M335.575	M350.350	M360.850	M380.150
M322.375	M335.600	M351.675	M363.000	M380.200
M322.400	M335.625	M351.800	M363.025	M380.225
M322.425	M335.650	M351.825	M363.050	M380.250
M322.450	M335.800	M351.850	M363.075	M380.300
M322.475	M336.400	M351.900	M363.100	M380.350
M322.500	M338.200	M351.950	M363.125	M380.600
M322.525	M338.225	M352.000	M363.150	M381.400
M322.550	M338.250	M352.050	M363.175	M381.450
M323.000	M338.275	M353.500	M363.200	M381.500
M323.025	M338.300	M353.525	M363.225	M381.550
M323.050	M338.325	M353.550	M363.250	M381.600
M323.075	M338.350	M353.575	M370.850	M381.650
M323.100	M339.800	M353.600	M370.875	M382.000
M323.125	M340.200	M353.625	M370.900	M385.400
M323.150	M341.700	M353.650	M370.925	M385.425
M323.175	M342.250	M353.675	M370.950	M385.450
M323.200	M342.425	M353.700	M371.850	M385.500
M323.225	M342.875	M353.725	M371.875	M385.550
M323.250	M343.600	M353.750	M371.900	M385.600
M323.275	M343.625	M353.775	M371.925	M385.650
M323.300	M343.650	M353.800	M371.950	M387.000
M326.200	M343.675	M353.825	M371.975	M387.025
M327.000	M343.700	M353.850	M372.000	M387.050
M327.025	M343.725	M353.875	M377.050	M387.075
M327.050	M343.750	M353.900	M377.075	M387.100
M327.075	M346.250	M353.925	M377.100	M387.150
M327.100	M346.275	M353.950	M377.125	M388.200
M327.125	M346.300	M353.975	M377.150	M390.800
M327.150	M346.325	M354.000	M377.175	M391.900
M327.800	M346.350	M354.025	M377.200	M392.000
M328.400	M346.375	M354.050	M379.100	M392.100
M335.500	M346.400	M354.075	M379.125	M397.850
M348.000	M354.100	M379.150	M397.875	
M348.600	M354.125	M379.175	M397.900	
M348.625	M354.150	M379.200		
M348.650	M355.600	M379.225		

M348.675	M360.200	M379.250
M348.700	M360.600	M379.275
M348.725	M360.625	M379.300
M348.750	M360.650	M379.900
M349.000	M360.675	M379.925
M350.200	M360.700	M379.950
M350.225	M360.725	M379.975
M350.250	M360.750	M380.000
M350.275	M360.775	M380.025

Note: This range is also subject to carve-outs of specific frequencies listed at Special Condition 10 on the existing license.

TRK 200268 / NG T200283

Re: The 136-320 MHz band that is currently granted on the license

- Cobham no longer permitted to operate in the full 136-320 MHz range
- Rather, Cobham's operation will be limited to:
137.9875-224.9875 MHz

And

224.9875-320 MHz

BUT - Cobham's operation within 224.9875-320 MHz would be further restricted by the following exclusions where Cobham would not be permitted to operate:

243.000 MHz – see attached chart

And operation on the following additional frequencies from the attached chart are prohibited:

M225.400	M257.900	M270.800	M285.525	M298.950	M317.700
M226.675	M257.925	M273.450	M285.550	M299.200	M317.725
M227.125	M257.950	M273.475	M285.575	M299.600	M317.750
M229.400	M257.975	M273.500	M285.600	M305.200	M317.775
M233.700	M259.100	M273.525	M285.625	M306.200	M317.800
M235.625	M259.300	M273.550	M285.650	M306.300	M318.100
M235.775	M263.000	M273.575	M288.250	M306.900	M318.200
M235.975	M263.025	M273.600	M288.275	M306.925	M318.800
M236.775	M263.050	M275.800	M288.300	M306.950	M319.000
M236.825	M263.075	M276.400	M288.325	M306.975	M319.100
M239.000	M263.100	M277.400	M288.350	M307.000	M319.150
M239.025	M263.125	M278.300	M289.400	M307.025	M319.200
M239.050	M263.150	M278.800	M290.200	M307.050	M319.250
M239.250	M266.800	M279.500	M290.225	M307.075	
M239.275	M268.700	M279.525	M290.250	M307.100	
M239.300	M269.000	M279.550	M290.275	M307.125	
M244.575	M269.025	M279.575	M290.300	M307.150	
M244.875	M269.050	M279.600	M290.325	M307.175	
M251.050	M269.075	M279.625	M290.350	M307.200	
M251.075	M269.100	M279.650	M290.375	M307.225	
M251.100	M269.125	M281.400	M290.400	M307.250	
M251.125	M269.150	M281.425	M290.425	M307.275	
M251.150	M269.175	M281.450	M290.450	M307.300	
M253.500	M269.200	M281.475	M290.475	M307.325	
M254.250	M269.225	M281.500	M290.500	M307.350	
M254.275	M269.250	M281.525	M290.525	M307.375	
M254.300	M269.275	M281.550	M290.550	M307.800	
M254.325	M269.300	M282.200	M290.900	M307.900	

M254.350	M269.325	M282.225	M291.100	M308.400
M254.375	M269.350	M282.250	M291.600	M310.800
M254.400	M269.375	M282.275	M291.625	M314.000
M255.400	M269.400	M282.300	M291.650	M316.050
M256.700	M269.425	M282.325	M291.675	M316.075
M256.800	M269.450	M282.350	M291.700	M316.100
M256.875	M269.475	M282.375	M291.725	M316.125
M256.900	M269.500	M284.000	M291.750	M316.150
M257.200	M269.525	M284.600	M291.775	M317.400
M257.600	M269.550	M284.625	M292.125	M317.425
M257.625	M269.575	M284.650	M292.150	M317.450
M257.650	M269.600	M284.675	M292.175	M317.475
M257.675	M269.625	M284.700	M292.200	M317.500
M257.700	M269.900	M284.725	M293.225	M317.525
M257.725	M270.100	M284.750	M294.700	M317.550
M257.750	M270.250	M285.400	M296.700	M317.575
M257.775	M270.275	M285.425	M298.850	M317.600
M257.800	M270.300	M285.450	M298.875	M317.625
M257.850	M270.325	M285.475	M298.900	M317.650
M257.875	M270.350	M285.500	M298.925	M317.675

Note: This range is also subject to carve-outs of specific frequencies listed at Special Condition 10 on the existing license.

TRK 200269 NG T200284

Re: The 980-1000 MHz band that is currently granted on the license

Cobham's operation will be limited to the following discrete frequencies:: 983 MHz; 989 MHz; 999 MHz

Jeffrey E. Rummel
Partner

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From: Murphy, Rodney (FAA)
Sent: Tuesday, July 14, 2020 10:18 AM
To: Rummel, Jeffrey ; Mormino, John (FAA) ; Thomas, Stephanie (FAA) ; Pawlowitz, Timothy J (FAA) ; Carvajal, Lorena (FAA)
Cc: Santangelo, Thomas (US) ; Marden, Mark (US) ; Bressan, Ronald (US-Contractor) ; Gorman, Jeffrey (US) ; Hughes, Dennis R CTR (FAA)
Subject: RE: FOR FAA - MR. MORMINO / MR. MURPHY / MS. THOMAS - Seeking Final Confirmation of Completion of Coordination - Cobham AES - (TRK 200262-200269) - Pending File No. 0054-EX-CM-2020

Advise the FCC of the completion with the FAA coordination language. Any questions may be forwarded to myself or Lorena Carvajal.

Rodney Murphy

Federal Aviation Administration
Spectrum Engineering and Policy
Fixed/Land Mobile,UAS, Satellite, Experimentals
FAA FAS Representative
202-267-9501

From: Rummel, Jeffrey
Sent: Tuesday, July 14, 2020 10:15 AM
To: Murphy, Rodney (FAA) ; Mormino, John (FAA) ; Thomas, Stephanie (FAA) ; Pawlowitz, Timothy J (FAA)
Cc: Santangelo, Thomas (US) ; Marden, Mark (US) ; Bressan, Ronald (US-Contractor) ; Gorman, Jeffrey (US) ; Hughes, Dennis R CTR (FAA)
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We see that the language of the TRK 200267 coordination has been clarified – thank you.

- Shall we now advise the FCC processor of completion of FAA coordination and ask the processor to send the “NG Memo” to FAA/NTIA?

Jeffrey E. Rummel
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