

Tupua, Maybelle D

From: Khoat.Nguyen@faa.gov
Sent: Tuesday, May 17, 2011 4:28 PM
To: Tupua, Maybelle D
Subject: RE: FAA Coordination

Hi May,
The new expiration date is 10/31/2013. I kept wondering why with that short testing window.
Khoat

From: "Tupua, Maybelle D" <maybelle.d.tupua@boeing.com>

To: Khoat Nguyen/ANM/FAA@FAA

Date: 05/17/2011 12:23 PM

Subject: RE: FAA Coordination

Hi Khoat,

After discussing with the user, we would like to coordinate the frequencies for 24 months. Is that possible?

Thanks.

May Tupua
Spectrum Management & Regulatory Compliance Boeing Frequency Management Services
Office: (206) 662-0587
Cell: (206) 651-1453

-----Original Message-----

From: Khoat.Nguyen@faa.gov [mailto:Khoat.Nguyen@faa.gov]
Sent: Tuesday, May 17, 2011 10:04 AM
To: Tupua, Maybelle D
Cc: Lorena.Carvajal@faa.gov; victor.hinton@faa.gov; margarette.ebate@faa.gov; Thomas.Ahn@faa.gov
Subject: RE: FAA Coordination

Hi May,

The following are FAA coordination numbers for your Boeing HIRF testing request at Glasgow, MT:
NG T110217.....M108-M137. Excluding frequencies (Mhz): 108.0, 108.5,
111.7, 113.075, 113.9, 121.5, 122.25, 126.85, 135.175
NG T110218.....M328.6-M335.4. Excluding frequencies (Mhz):329.0,
329.9, 333.5, 334.55, 334.7
NG T110219.....M960-M1400. Excluding frequencies (Mhz): 978, 979,
983, 1104.0, 1173.0, 1189.0
NG T110220.....M2700-M2900

NG T110221.....M5000-M5250
NG T110222.....M9000-M9200

Testing schedule: July 01, 2011 to August 31, 2011.

Khoat Nguyen
WSA Spectrum Engineering Services
425-227-1172

From: "Tupua, Maybelle D" <maybelle.d.tupua@boeing.com>

To: Khoat Nguyen/ANM/FAA@FAA

Date: 05/17/2011 08:16 AM

Subject: RE: FAA Coordination

Hi Khoat,

The Stop Buzzer POC is Farzad Keshvadian phone # 425-343-5757.

May Tupua
Spectrum Management & Regulatory Compliance Boeing Frequency Management Services
Office: (206) 662-0587
Cell: (206) 651-1453

-----Original Message-----

From: Khoat.Nguyen@faa.gov [mailto:Khoat.Nguyen@faa.gov]
Sent: Monday, May 16, 2011 12:59 PM
To: Tupua, Maybelle D
Subject: RE: FAA Coordination

Hi May,

I could not find the license WE2XSN in the FCC website. Also, could you provide these info: test equipment manufacture/model, and indoor or outdoor tests. Thanks.

Khoat Nguyen
WSA Spectrum Engineering Services
425-227-1172

From: "Tupua, Maybelle D" <maybelle.d.tupua@boeing.com>

To: Khoat Nguyen/ANM/FAA@FAA

Date: 05/16/2011 07:30 AM

Subject: RE: FAA Coordination

Hi Khoat,

Below is the information you requested. We are cloning an FCC License WE2XSN, but for another location Glasgow, MT. Please let me know if you need anything else.

1. July 2011 to October 2011
2. Radiated time at a 1 kHz bandwidth which is what we try and test with is 1.5 mS
3. Our equipment will not allow more than + 27 dBm or 0.5 Watt. We seldom use that much power it is closer to 0.1 Watt.
4. ETS-Lindgren 3117 Double-Ridged Waveguide Horn Antenna (3ea)
ETS-Lindgren 3181 Double-Ridged Waveguide Horn Antenna (2ea)
ETS-Lindgren 3182 Broadband Bi-conical Antennas (2ea)
Boeing-NIST 120cm Wave launcher Horn Antennas (2ea)

Thanks.

May Tupua
Spectrum Management & Regulatory Compliance Boeing Frequency Management Services
Office: (206) 662-0587
Cell: (206) 651-1453

-----Original Message-----

From: Khoat.Nguyen@faa.gov [mailto:Khoat.Nguyen@faa.gov]
Sent: Wednesday, May 11, 2011 2:05 PM
To: Tupua, Maybelle D
Subject: Re: FAA Coordination

Hi May,

Could you provide the following information:

- Time frame of the test
- Radiating time of each frequency, and more specific radiating power of each band
- Antenna types: omni or directional
- Indoor or outdoor test

Because your request involves with many ATC frequencies, the more details are better. Also, do you have test result or FCC certification from similar tests. Thanks.

Khoat Nguyen
WSA Spectrum Engineering Services
425-227-1172

From: Daniel R ORear/ANM/FAA

AJW-937, WSA Spectrum Engineering Team

To: "Tupua, Maybelle D" <maybelle.d.tupua@boeing.com>

Cc: Khoat Nguyen/ANM/FAA@FAA

Date: 05/11/2011 08:08 AM

Subject: Re: FAA Coordination

Good Morning May,

Our lead engineer for Montana is Khoat Nguyen, 425-227-1172. He will work with you on this request.

Dan ORear
ATO Western Service Area
Northwest Mountain Region
Spectrum Engineering Services
425-227-2637

From: "Tupua, Maybelle D" <maybelle.d.tupua@boeing.com>

To: Daniel R ORear/ANM/FAA@FAA

Date: 05/11/2011 07:58 AM

Subject: FAA Coordination

Hi Dan,

We have a license request that supports Aircraft Shielding Effectiveness testing of the 787 airframe. As part of initial Type Certification of the 787-8 airframe, and in support of FAA/EASA regulatory compliance, airplane-level HIRF testing is required. This license will be used for certification and testing of the Boeing 787, as well as other Boeing commercial aircraft.

Test Overview:

Frequency Range: 30 MHz – 18 GHz

Max Power: 20 Watt

Emission: 1K00N0N

Signal Type Discrete Frequency Stirring: Stepped CW Signal Type Gaussian Frequency Stirring: Stepped CW (w/band-limited Gaussian noise modulation)

Location: 48-25-18N, 106-31-42W (Glasgow, MT)

We would like to coordinate the test frequencies below:

- o 108 - 137 MHz
- o 328.6 - 335.4 MHz
- o 960 - 1400 MHz
- o 2700 - 2900 MHz
- o 5000 - 5250 MHz
- o 9000 - 9200 MHz

May Tupua

Spectrum Management & Regulatory Compliance The Boeing Company Boeing Frequency Management Services

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maybelle.d.tupua@boeing.com