Eleanor Lott

From: Crutcher, Tim <tcrutche@comsearch.com>
Sent: Friday, May 20, 2016 10:24 AM
To: Eleanor Lott
Subject: RE: SES-REG-20160511-00411, E160079

Hi Eleanor,

The Emission / Frequency Range (MHz) should be as follows.
- 30K0G7W - 36M0G7W / 3700 – 4200 MHz (Digital)
- 30K0G3W - 36M0G3W / 3700 – 4200 MHz (Analog)

What do you need from me to get this fixed?

Please let me know if you have any questions.

Thank you

Tim Crutcher
Comsearch
19700 Janelia Farm Blvd
Ashburn, Va 20147
703-726-5665

From: Mike Kirk [mailto:MKirk@npr.org]
Sent: Thursday, May 19, 2016 4:58 PM
To: Crutcher, Tim
Subject: FW: SES-REG-20160511-00411, E160079

Tim;

Just received this email notice from Eleanor Lott at the FCC. This is in reference to the two C-band downlink registration you just submitted for the two Prodelin 3.7m receive only C-band antennas at NPR HQ.

The Emissions Designator should be for a range between 30 KHz thru 36 MHz for Digital and Analog transmission on both the Frequency Coordination report and the FCC Downlink Registration application. Specifically.

Emission / Frequency Range (MHz):
- 30K0G7W - 36M0G7W / 3700 – 4200 MHz (Digital)
- 30K0G3W - 36M0G3W / 3700 – 4200 MHz (Analog)

Please get with Eleanor and fix/correct/amend as required. Please update me on same

Best Regards,
- Mike

Mike Kirk
Senior Satellite Systems Engineer
National Public Radio
Satellite Services
1111 North Capital Street, NE
Washington, DC 20002
(202)513-2653
mkirk@npr.org

From: Eleanor Lott [mailto:Eleanor.Lott@fcc.gov]
Sent: Thursday, May 19, 2016 4:46 PM
To: Mike Kirk
Cc: Eleanor Lott
Subject: SES-REG-20160511-00411, E160079

Hi Mr. Kirk,

You filed a Receive-Only Earth Station shown above for National Public Radio on May 11, 2016, in processing your application I discovered that your FCC Form Schedule B and the Comsearch Frequency Coordination Report does not match and agree with one another for your Emission Designators such as, on the Schedule B, E47 has an Emission Designator of (30K0G3W AND 30K0G7W), and on the Comsearch Frequency Coordination Report you have (30M0G7W AND 30M0G3W), so which set is the correct ones for this earth station application please verify the correct Emission Designators for this application and submit an Amendment to correct the Issue at hand to further processed your Earth Station above.

Thank you
Eleanor Lott

FREQUENCY COORDINATION AND INTERFERENCE ANALYSIS REPORT

Prepared for
National Public Radio
WASHINGTON, DC
Satellite Earth Station

Prepared By:
COMSEARCH
19700 Janelia Farm Boulevard
Ashburn, VA 20147
May 11, 2016

COMSEARCH

Earth Station Data Sheet

19700 Janelia Farm Boulevard, Ashburn, VA 20147
(703)726-5500 http://www.comsearch.com

Date:	05/11/2016
Job Number:	160316COMSTC01

Administrative Information

Licensee Name	National Public Radio

Site Information — WASHINGTON, DC

Latitude (NAD 83)	38° 54' 16.3" N
Longitude (NAD 83)	77° 0' 31.3" W
Climate Zone	B
Rain Zone	2
Ground Elevation (AMSL)	11.0 m / 36.1 ft

Link Information

Satellite Type	Geostationary
Mode	RO - Receive-Only
Modulation	Analog and Digital
Satellite Arc	60° W to 143° West Longitude
Azimuth Range	154.0° to 254.4°
Corresponding Elevation Angles	41.6° / 9.9°
Antenna Centerline (AGL)	26.9 m / 88.3 ft

Antenna Information — Receive

Manufacturer	Prodelin
Model	136-750
Gain / Diameter	40.4 dBi / 3.7 m
3-dB / 15-dB Beamwidth	1.40° / 3.20°

Interference Objectives:	Long Term	-156.0 dBW/MHz	20%
	Short Term	-146.0 dBW/MHz	0.01%

Frequency Information — Receive 4.0 GHz

Emission / Frequency Range (MHz)	30K0G7W - 36M0G7W / 3700.0 - 4200.0
	30K0G3W - 36M0G3W / 3700.0 - 4200.0
Max Great Circle Coordination Distance	640.5 km / 397.9 mi
Precipitation Scatter Contour Radius	541.3 km / 336.3 mi