Description of Application & Additional Information

I. Nature of the Application and Services

Ocean Exploration Trust ("OET") respectfully requests that the Federal Communications Commission ("FCC") grant it a license to operate Earths Station on Vessels ("ESV") in the Gulf of Mexico, Atlantic Ocean, and Pacific Ocean. The proposed ESVs will operate in the 3700-4200 MHz and 5925-6425 MHz frequency bands ("C-Band") and will communication with Hub Stations located in the United States.

OET was founded in 2008 by Dr. Robert Ballard to engage in pure ocean exploration. Dr. Ballard is best known for his 1985 discovery of the RMS *Titanic, and is also* a National Geographic Society Explorer-In-Residence, a commissioner on the U.S. Commission on Ocean Policy, and a Senior Scientist Emeritus in the Department of Applied Ocean Physics and Engineering at the Woods Hole Oceanographic Institution. Dr. Ballard received the National Geographic Society's prestigious Hubbard Medal in 1996 for "extraordinary accomplishments in coaxing secrets from the world's oceans and engaging students in the wonder of science."

OET plans to begin exploring geological, archaeological, and biological aspects of the Gulf of Mexico and Caribbean Sea, and will require the C-Band ESVs to transmit video, audio, and data to its operations center in the United States. This information will be used in part for educational programming that will be available to students and others across the country.

At this time, OET will not be operating ESVs using C-Band frequencies within 200 km from the baseline of the United States or within 200 km from a U.S.-licensed fixed service offshore installation and, therefore, coordination is not required. However, should OET desire to transmit within this 200 km range in the future, it will first file a separate coordination pursuant to FCC Rule 25.221(a)(12).

OET respectfully requests that the FCC grant this application no later than June 1, 2013.

II. Responses to FCC Rule 25.221

As set forth in FCC Rule 25.211 and requested by the FCC staff, below and attached is additional information regarding OET's proposed operations:

Rule 25.221 (a)(1)(i): Off-Axis Spectral Density

"(i) An ESV system shall not exceed the off-axis EIRP spectral-density limits and conditions defined in paragraphs (a)(1)(i)(A) through (a)(1)(i)(D) of this section."

OET's proposed C-Band operations comply with the off-axis EIRP spectral density limits and conditions in FCC Rule 25.221(a)(1)(i). See Exhibits B and C.

Rule 25.221(a)(1)(ii)(A): Pointing Error

"Each ESV transmitter shall maintain a pointing error of less than or equal to 0.2° between the orbital location of the target satellite and the axis of the main lobe of the ESV antenna."

OET ESV transmitters will meet this pointing error requirement. See Exhibit B.

Rule 25.221(a)(1)(iii)(A): Cessation of Operations

"For ESVs operating under paragraph (a)(1)(ii)(A) of this section, all emissions from the ESV shall automatically cease within 100 milliseconds if the angle between the orbital location of the target satellite and the axis of the main lobe of the ESV antenna exceeds 0.5°, and transmission will not resume until such angle is less than or equal to 0.2°."

All emissions from the OET ESVs will automatically cease within 100 milliseconds if the angle between the orbital location of the target satellite and the axis of the main lobe of the ESV antenna exceeds 0.5°, and transmission will not resume until such angle is less than or equal to 0.2°. See Exhibit B.

Rule 25.221(a)(4): United States Contact Information

"There shall be a point of contact in the United States, with phone number and address, available 24 hours a day, seven days a week, with authority and ability to cease all emissions from the ESVs, either directly or through the facilities of a U.S. Hub or a Hub located in another country with which the United States has a bilateral agreement that enables such cessation of emissions."

The following facility is available 24 hours a day, seven days a week, and has authority and ability to cease all emissions from the ESVs.

Verizon VSATNMC 7000 Weston Parkway Cary, NC 27513

Domestic: 888-322-1728

International: +1 919-377-7705

Rule 25.221(a)(5): Vessel Tracking

"For each ESV transmitter, a record of the ship location (i.e., latitude/longitude), transmit frequency, channel bandwidth and satellite used shall be time annotated and maintained for a period of not less than 1 year. Records will be recorded at time intervals no greater than every 20 minutes while the ESV is transmitting. The ESV operator will make this data available upon request to a coordinator, fixed system operator, fixed-satellite system operator, or the Commission within 24 hours of the request."

OET's system maintains records of the vessel's location, transmit frequency, channel bandwidth and satellite used. These records are maintained pursuant to the above rule on computers located on the vessels, at the Hub Earth Stations, and/or at the OET Operations Center. OET will make this data available within 24 hours of a request.

Rule 25.221(a)(6): Vessels of Foreign Registry

"ESV operators communicating with vessels of foreign registry must maintain detailed information on each vessel's country of registry and a point of contact for the relevant administration responsible for licensing ESVs."

In addition to communicating with U.S.-registered vessels, OET anticipates that it will communicate with a vessel registered in St Vincent and the Grenadines. The company is investigating the requirements for licensing ESVs in this country, but its understanding is that the National Regulatory Telecommunications Commission (NTRC) of Saint Vincent and the Grenadines is the relevant administration responsible for licensing ESVs for this vessel. The telephone number for the NTRC is (784) 457-2279. OET will file updated contact information with the FCC if it is determined that another administration is responsible for licensing ESVs on this vessel.

Rule 25.221(a)(7): Hub Earth Station

"ESV operators shall control all ESVs by a Hub earth station located in the United States, except that an ESV on U.S.-registered vessels may operate under control of a Hub earth station location outside the United States provided the ESV operator maintains a point of contact within the United States that will have the capability and authority to cause an ESV on a U.S.-registered vessel to cease transmitting if necessary."

The OET ESVs shall be controlled by the following Hub Earth Stations: E990175 and E010140. These earth stations can shut down the OET ESVs remotely. Contact information for both stations is included in the application.

Rule 25.221(a)(8): Frequency Coordination and Multiple Satellites

"ESV operators transmitting in the 5925-6425 MHz (Earth-to-space) frequency bands to GSO satellites in the fixed-satellite service (FSS) shall not seek to coordinate, in any geographic location, more than 36 megahertz of uplink bandwidth on each of no more than two GSO FSS satellites."

OET is seeking to transmit ESVs in the 5925-6425 MHz band to geostationary satellites in the fixed-satellite service. However, at this time, OET will not be operating ESVs using C-Band frequencies within 200 km from the baseline of the United States or within 200 km from a U.S.-licensed fixed service offshore installation and, therefore, coordination is not required. However, should OET desire to transmit within this 200 km range in the future, it will first file a separate coordination pursuant to FCC Rule 25.221(a)(12).

Rule 25.221(a)(9): Vessel Weight

"ESVs shall not operate in the 5925-6425 MHz (Earth-to-space) and 3700-4200 MHz (space-to-Earth) frequency bands on vessels smaller than 300 gross tons."

OET confirms that it will not operate ESVs on vessels smaller than 300 gross tons.

Rule 25.221(a)(10): Operations While Docked

"ESVs, operating while docked, that complete coordination with terrestrial stations in the 3700-4200 MHz band in accordance with § 25.251, shall receive protection from such terrestrial stations in accordance with the coordination agreements, for 180 days, renewable for 180 days."

At this time, OET will not be operating ESVs using C-Band frequencies within 200 km from the baseline of the United States or within 200 km from a U.S.-licensed fixed service offshore installation and, therefore, OET does not currently contemplate any coordination with terrestrial stations in the C-Band.

Rule 25.221(a)(11): Protection from Interference

"ESVs in motion shall not claim protection from harmful interference from any authorized terrestrial stations or lawfully operating satellites to which frequencies are either already assigned, or may be assigned in the future in the 3700-4200 MHz (space-to-Earth) frequency band."

While in motion, OET shall not claim protection from harmful interference from any authorized terrestrial stations or lawfully operating satellites to which frequencies are either already assigned, or may be assigned in the future in the 3700-4200 MHz frequency band.

Rule 25.221(a)(12): Coordination Within 200 km

"ESVs operating within 200 km from the baseline of the United States, or within 200 km from a U.S.-licensed fixed service offshore installation, shall complete coordination with potentially affected U.S.-licensed fixed service operators prior to operation. The coordination method and the interference criteria objective shall be determined by the frequency coordinator. The details of the coordination shall be maintained and available at the frequency coordinator, and shall be filed with the Commission electronically via the International Bureau Filing System (http://licensing.fcc.gov/myibfs/) to be placed on public notice. The coordination notifications must be filed in the form of a statement referencing the relevant call signs and file numbers. Operation of each individual ESV may commence immediately after the public notice is released that identifies the notification sent to the Commission. Continuance of operation of that ESV for the duration of the coordination term shall be dependent upon successful completion of the normal public notice process. If, prior to the end of the 30-day comment period of the public notice, any objections are received from U.S.-licensed fixed service operators that have been excluded from coordination, the ESV licensee shall immediately cease operation of that particular station on frequencies used by the affected U.S.-licensed fixed service station until the coordination dispute is resolved and the ESV licensee informs the Commission of the resolution."

As discussed above, at this time, OET will not operate its ESVs on the C-Band within 200 km from the baseline of the United States, or within 200 km from a U.S.-licensed fixed service offshore installation and, therefore, coordination is not required. However, should OET desire to transmit within this 200 km range in the future, it will first file a separate coordination pursuant to FCC Rule 25.221(a)(12).

Rule 25.221(a)(13): Automatic Cease of Transmissions

"ESV operators must automatically cease transmission if the ESV operates in violation of the terms of its coordination agreement, including, but not limited to, conditions related to speed of the vessel or if the ESV travels outside the coordinated area, if within 200 km from the baseline of the United States, or within 200 km from a U.S.-licensed fixed service offshore installation. Transmissions may be controlled by the ESV network. The frequency coordinator may decide whether ESV operators should automatically cease transmissions if the vessel falls below a prescribed speed within a prescribed geographic area."

As discussed above, OET will not operate these ESVs on the C-Band within 200 km from the baseline of the United States, or within 200 km from a U.S.-licensed fixed service offshore installation and, therefore, is not required to coordinate pursuant to FCC Rule 25.221(a)(12) and is not subject to a coordination agreement. Nonetheless, OET constantly tracks the location of the vessels and ESVs will cease C-Band transmissions before any vessel comes within 200 km from the

baseline of the United States, or within 200 km from a U.S.-licensed fixed service offshore installation.

Rule 25.221(b)(1): Spectral Density, Pointing Error, and Cessation of Emission

"An ESV applicant proposing to implement a transmitter under paragraph (a)(1) of this section must demonstrate that the transmitter meets the off-axis EIRP spectral-density limits contained in paragraph (a)(1)(i) of this section. To provide this demonstration, the application shall include the tables described in paragraph (b)(1)(i) of this section or the certification described in paragraph (b)(1)(ii) of this section. The ESV applicant also must provide the value N described in paragraph (a)(1)(i)(A) of this section. An ESV applicant proposing to implement a transmitter under paragraph (a)(1)(ii)(A) of this section must provide the certifications identified in paragraph (b)(1)(iii) of this section. An ESV applicant proposing to implement a transmitter under paragraph (a)(1)(ii)(B) of this section must provide the demonstrations identified in paragraph (b)(1)(iv) of this section."

Table and certifications demonstrating OET's compliance with the spectral density, pointing error and cessation of emission requirements of FCC Rule 25.221(a)(1)(i), (a)(1)(ii)(A) and (a)(1)(iii)(A) are attached as Exhibits B and C. The value N described in FCC Rule 25.221(a)(1)(i)(A) is "1".

Rule 25.221(b)(4): Geographic Areas

"There shall be an exhibit included with the application describing the geographic area(s) in which the ESVs will operate."

The OET ESVs will operate in the Gulf of Mexico, Atlantic Ocean and Pacific Ocean.

Rule 25.221(b)(5): Contact Information

"The point of contact information referred to in paragraph (a)(3) of this section and, if applicable, paragraph (a)(6) of this section, must be included in the application."

See above.

Rule 25.221(b)(6): Antenna Radiation Guidelines

"ESVs that exceed the radiation guidelines of § 1.1310 of this chapter, Radiofrequency radiation exposure limits, must provide, with their environmental assessment, a plan for mitigation of radiation exposure to the extent required to meet those guidelines."

See Radiation Hazard Study attached to his application as Exhibit D.

Declaration of Mike J. Durbin Ph.D. E.E.

- I, Mike Durbin, and do hereby declare that the following statements are true and correct:
 - 1. I am an engineer for the Ocean Exploration Trust's ("OET") and have a close working knowledge of OET's C-Band Earth Station on Vessel ("ESV") system.
 - 2. The OET's ESV system employees Channel Master 2.4m receive-transmit offset antennas (model number 622433901L/R). Technical specifications are enclosed with this declaration.
 - 3. OET's ESV system will not exceed the off-axis EIRP spectral-density limits and conditions defined in paragraphs (a)(1)(i)(A) through (a)(1)(i)(D) of § 25.221. See Exhibit C.
 - 4. The antenna tracking system employed with the OET ESV system will maintain a pointing error of less than or equal to 0.2° between the orbital location of the target satellite and the axis of the main lobe of the ESV antenna. The antenna tracking system also will cease emissions within 100 milliseconds if the angle between the orbital location of the target satellite and the axis of the main lobe of the ESV antenna exceeds 0.5°.

Executed on March 11, 2013

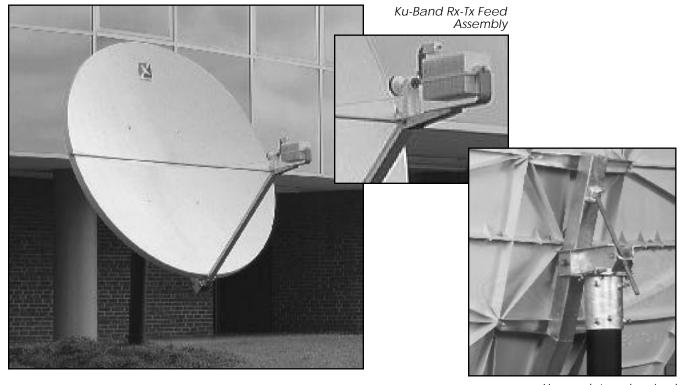
Mike.durbin@mci.com 214-801-7721

Michael J. Durbin Ph.D.



TYPE 243

2.4m Receive-Transmit Offset Antenna System



Heavy-duty galvanized Az/El mount

FEATURES

- Two-piece precision offset thermosetmolded reflector.
- Fine azimuth and elevation adjustments.
- Galvanized feed support arm and alignment struts.
- Factory pre-assembled mount.
- Galvanized and stainless hardware for maximum corrosion resistance.
- Available with a wide variety of C-Band and Ku-Band Rx-Tx feed assemblies and ODU mounting kits.

DESCRIPTION

The Channel Master® Type 243 2.4m Offset Rx-Tx Antenna is a rugged commercial grade product suitable for the most demanding applications. The two-piece reflector is thermoset-molded for strength and surface accuracy. Molded into the rear of each reflector half is a network of support ribs which not only strengthens the antenna, but also helps to sustain the critical parabolic shape necessary for transmit performance.

The Az/El mount is constructed from heavy-gauge steel to provide a rigid support to the reflector and feed support arm. Heavy-duty lockdown bolts secure the mount to any 6.63 in. O.D. mast to prevent slippage in high winds. Hot-dip galvanizing is standard for maximum environmental protection.

SPECIFICATIONS

TYPE 243

2.4m Receive-Transmit Offset Antenna System

RF PERFORMANCE

		C-Band	Ku-Band
		<u>Linear</u>	<u>Linear</u>
Effective Aperture		2.4m (96 in.)	2.4m (96 in.)
Operating Frequency	Tx	5.850 - 6.725 GHz	13.75 - 14.50 GHz
	Rx	3.400 - 4.200 GHz	10.70 - 12.75 GHz
Polarization		Linear, Co or Cross-Polarized	Linear, Co or Cross-Polarized
Gain (±.3 dBi)	Tx	42.0 dBi @ 6.138 GHz	49.3 dBi @ 14.25 GHz
	Rx	38.0 dBi @ 3.913 GHz	47.6 dBi @ 11.95 GHz
3 dB Beamwidth	Tx	1.3° @ 6.1 GHz	.59° @ 14.3 GHz
	Rx	2.1° @ 3.9 GHz	.71° @ 12.0 GHz
Sidelobe Envelope (Tx,Co-Pol dBi)			
2°* < Θ < 20°		29-25 Log Θ	29-25 Log Θ
20° < ⊖ < 26.3°		-3.5	-3.5
26.3° < ⊖ < 48°		32-25 Log Θ	32-25 Log Θ
48° < Θ < 180°		-10 (Typical)	-10 (Typical)
Antenna Cross-Polarization		>30 dB (on axis)	>30 dB (on axis)
Antenna Noise Temperature**	10° El	40°K	42°K
	20° El	35°K	34°K
	30° El	32°K	31°K
VSWR		1.3:1 Max.	1.3:1 Max.
Isolation,Tx to Rx		60 dB Min.	80 dB Min.
Feed Interface	Tx	Type N or CPR-137	WR-75
	Rx	CPR-229	WR-75
* 1° for Ku-Band Envelope			

^{* 1°} for Ku-Band Envelope

MECHANICAL PERFORMANCE

Reflector Material
Antenna Optics
Two-Piece Offset Feed Prime Focus
Mount Type
Elevation Adjust.Range
Azimuth Adjust.Range
Mast Pipe Interface
Wind Loading
Glass Fiber Reinforced Polyester
Two-Piece Offset Feed Prime Focus
Elevation over Azimuth
10°-90° Continuous Fine Adjustment
360° Continuous; ±12° Fine Adjustment
6.63 in.(168 mm) Diameter
50 mi/h (80 km/h)

Wind Loading Operational 50 mi/h (80 km/h)
Survival 125 mi/h (200 km/h)
Temperature -50°C to 80°C

Humidity 0 to 100% (Condensing)

Atmosphere Salt, Pollutants and Contaminants as Encountered in Coastal and

Industrial Areas

Solar Radiation 360 BTU/h/ft²
Shock and Vibration As Encountered During
Shipping and Handling

Channel Master°

US Sales Office

Smithfield,North Carolina USA Phone: (919) 989-2205 Fax: (919) 989-2200 e-mail: cmvsatsales@cmnc.com

> Germany Sales Office Pforzheim, Germany

Tel. +49 (0) 7231-14557-0 Fax +49 (0) 7231-14557-10 e-mail:

cmi@channel-master-int.com Web:http://www.channelmaster.com

^{**} Does not include dissipative losses

10 degrees from main beam WORSE CASE DENSITY MAX EIRP DENSITY PER 4 Khz Based on 2 Mhz QPSK on Axis EIRP 31.0 dBw

Co-nol	Azimuth 2 / M	eter Channel M				
Antenna	ol Azimuth 2.4 Meter Channel Master 243 EIRP Mask Mask					
-	dBw/4kHz	dBW/4kHz	Difference			
Angle	-	UBVV/4KHZ	Difference			
0.0	31.0					
0.1	31.0					
0.2	31.0					
0.3	31.0					
0.4	30.7					
0.5	30.4					
0.6	30.0					
0.7	29.5					
0.8	28.9					
0.9	28.1					
1.0	27.3					
1.1	26.4					
1.2	25.4					
1.3	24.3					
1.4	23.1	21.0				
1.5	21.8	21.9	-0.1			
1.6	20.4	21.2	-0.8			
1.7	19.1	20.5	-1.4			
1.8	17.8	19.9	-2.1			
1.9	16.3	19.3	-3.0			
2.0	14.8	18.8	-4.0			
2.1	13.4	18.2	-4.8			
2.2	11.9	17.7	-5.8			
2.3	10.4	17.3	-6.9			
2.4	8.8	16.8	-8.0			
2.5	7.1	16.4	-9.3			
2.6	5.1	15.9	-10.8			
2.7	3.0	15.5	-12.5			
2.8	0.7	15.1				
2.9	-1.9	14.7	-16.6			
3.0	-4.7	14.4	-19.1			
3.1	-7.7	14.0	-21.7			
3.2	-10.8	13.7	-24.5			
3.3	-14.0	13.3	-27.3			
3.4	-18.0	13.0	-31.0			
3.5	-21.8	12.7	-34.5			
3.6	-18.9	12.4	-31.3			
3.7	-14.3	12.1	-26.4			
3.8	-10.8	11.8	-22.6			
3.9	-8.3	11.5	-19.8			
4.0	-6.5	11.2	-17.7			
4.1	-5.2	11.0	-16.2			
4.2	-4.2	10.7	-14.9			
4.3	-3.5	10.5	-14.0			
4.4 4824-7426-971	-3.1	10.2	-13.3			

X-pol Azimuth 2.4 Meter Channel Master 243						
_ , , , , , , , , , , , , , , , , , , ,						
Angle dBw/4kH		dBW/4kHz	Mask Difference			
0.0 -6.4		usti, iki iz	Directorice			
0.1	-11.5					
0.2	-9.8					
0.2	-4.8					
0.4	-1.6					
0.4	0.6					
0.6	2.2					
0.7	3.4					
0.7	4.2					
0.8	4.7					
1.0	5.0					
1.1	5.1	+				
1.2	5.0	+ +				
1.3	4.7					
1.4	4.2					
1.5	3.5					
1.6	2.6					
1.7	1.5					
1.8	0.1	9.9	-9.8			
1.9	-1.7	9.3	-11.0			
2.0	-3.8	8.8	-12.6			
2.1	-6.4	8.2	-14.6			
2.2	-9.4	7.7	-17.1			
2.3	-12.3	7.3	-19.6			
2.4	-12.8	6.8	-19.6			
2.5	-11.4	6.4	-17.8			
2.6	-9.8	5.9	-15.7			
2.7	-8.6	5.5	-14.1			
2.8	-8.0	5.1	-13.1			
2.9	-7.9	4.7	-12.6			
3.0	-8.1	4.4	-12.5			
3.1	-8.7	4.0	-12.7			
3.2	-9.6	3.7	-13.3			
3.3	-10.9	3.3	-14.2			
3.4	-12.8	3.0	-15.8			
3.5	-15.2	2.7	-17.9			
3.6	-18.4	2.4	-20.8			
3.7	-22.6	2.1	-24.7			
3.8	-27.9	1.8	-29.7			
3.9	-27.2	1.5	-28.7			
4.0	-23.0	1.2	-24.2			
4.1	-20.2	0.7	-20.9			
4.2	-18.4	0.7	-18.9			
4.2	-17.0	0.3	-18.9			
4.4	-16.0					
4.4	-10.0	0.0	-16.0			

		1	
4.5	-2.7	10.0	-12.7
4.6	-2.6	9.7	-12.3
4.7	-2.5	9.5	-12.0
4.8	-2.5	9.3	-11.8
4.9	-2.6	9.0	-11.6
5.0	-2.8	8.8	-11.6
5.1	-3.3	8.6	-11.9
5.2	-3.9	8.4	-12.3
5.3	-4.7	8.2	-12.9
5.4	-5.9	8.0	-13.9
5.5	-7.5	7.8	-15.3
5.6	-9.3	7.6	-16.9
5.7	-10.8	7.4	-18.2
5.8	-11.6	7.2	-18.8
5.9	-10.9	7.0	-17.9
6.0	-9.6	6.8	-16.4
6.1	-8.3	6.7	-15.0
6.2	-7.2	6.5	-13.7
6.3	-6.5	6.3	-12.8
6.4	-6.2	6.1	-12.3
6.5	-6.2	6.0	-12.2
6.6	-6.5	5.8	-12.3
6.7	-7.0	5.6	-12.6
6.8	-7.7	5.5	-13.2
6.9	-8.5	5.3	-13.8
7.0	-9.5	5.3	-14.8
7.1	-10.6	5.3	-15.9
7.2	-11.8	5.3	-17.1
7.3	-13.2	5.3	-18.5
7.4	-15.4	5.3	-20.7
7.5	-19.2	5.3	-24.5
7.6	-25.2	5.3	-30.5
7.7	-21.6	5.3	-26.9
7.8	-15.9	5.3	-21.2
7.9	-9.6	5.3	-14.9
8.0	-6.5	5.3	-11.8
8.1	-4.3	5.3	-9.6
8.2	-2.4	5.3	-7.7
8.3	-0.9	5.3	-6.2
8.4	0.1	5.3	-5.2
			-4.4
8.5	0.9	5.3	
8.6	1.5	5.3	-3.8
8.7	1.9	5.3	-3.4
8.8	2.0	5.3	-3.3
8.9	2.0	5.3	-3.3
9.0	1.8	5.3	-3.5
9.1	1.3	5.3	-4.0
9.2	0.8	5.2	-4.4
9.3	0.0	5.1	-5.1
9.4	-1.0	5.0	-6.0
9.5	-2.1	4.9	-7.0
9.6	-3.3	4.7	-8.0
9.7	-4.8	4.6	-9.4
9.8 4824-7426-9715.	-6.3	4.5	-10.8

4.5	-15.1	0.0	-15.1
4.6	-14.4	-0.3	-14.1
4.7	-13.7	-0.5	-13.2
4.8	-12.9	-0.7	-12.2
4.9	-12.1	-1.0	-11.1
5.0	-12.5	-1.2	-11.3
5.1	-10.9	-1.4	-9.5
5.2	-10.2	-1.6	-8.6
5.3	-9.5	-1.8	-7.7
5.4	-9.0	-2.0	-7.0
5.5	-8.5	-2.2	-6.3
5.6	-8.0	-2.4	-5.6
5.7	-7.6	-2.6	-5.0
5.8	-7.2	-2.8	-4.4
5.9	-7.0	-3.0	-4.0
6.0	-6.8	-3.2	-3.6
6.1	-6.8	-3.3	-3.5
6.2	-6.9	-3.5	-3.4
6.3	-7.1	-3.7	-3.4
6.4	-7.3	-3.9	-3.4
6.5	-7.6	-4.0	-3.6
6.6	-8.0	-4.2	-3.8
6.7	-8.3	-4.4	-3.9
6.8	-8.5	-4.5	-4.0
6.9	-8.6	-4.7	-3.9
7.0	-8.5	-4.7	-3.8
7.1	-8.3	-4.7	-3.6
7.2	-8.1	-4.7	-3.4
7.3	-7.9	-4.7	-3.2
7.4	-7.6	-4.7	-2.9
7.5	-7.3	-4.7	-2.6
7.6	-7.3	-4.7	-2.6
7.7	-7.3	-4.7	-2.6
7.8	-7.2	-4.7	-2.5
7.9	-7.3	-4.7	-2.6
8.0	-7.4	-4.7	-2.7
8.1	-7.5	-4.7	-2.8
8.2	-7.7	-4.7	-3.0
8.3	-7.9	-4.7	-3.2
8.4	-8.0	-4.7	-3.3
8.5	-8.2	-4.7	-3.5
8.6	-8.5	-4.7	-3.8
8.7	-8.8	-4.7	-4.1
8.8	-9.1	-4.7	-4.4
8.9	-9.4	-4.7	-4.7
9.0	-9.7	-4.7	-5.0
9.1	-10.0	-4.7	-5.3
9.2	-10.2	-4.7	-5.5
9.3	-10.3	-4.7	-5.6
9.4	-10.4	-4.7	-5.7
9.5	-10.2	-4.7	-5.5
9.6	-10.1	-4.7	-5.4
9.7	-9.9	-4.7	-5.2
9.8	-9.7	-4.7	-5.0

9.9	-7.9	4.4	-12.3
10.0	-9.4	4.3	-13.7

9.9	-9.	5	-4.7	-4.8
10.0	-9.	4	-4.7	-4.7

Exhibit C Page 3 of 3

As shown below all Required Mask are below FCC requirement

